Phase II Investigation Report

Trunk Highway 7 and Louisiana Avenue Interchange

Saint Louis Park, Minnesota

SEH No. STLOU 106311

January 2012

SEH

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Phase II Investigation Report
Trunk Highway 7 and
Louisiana Avenue Interchange
Saint Louis Park, Minnesota

SEH No. STLOU 106311

January 2012

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List of Abbreviations

ASTM	American Society for Testing and Materials
BaP	Benzo(a)pyrene Equivalents
bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cVOCs	Chlorinated Volatile Organic Compounds
DRO	Diesel Range Organics
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GRO	Gasoline Range Organics
GWV	Minnesota Department of Health Groundwater Values
MCES	Metropolitan Council Environmental Services
MDH	Minnesota Department of Health
MnDOT	Minnesota Department of Transportation
mg/kg	milligram per kilogram
mg/L	milligrams per liter
MPCA	Minnesota Pollution Control Agency
msl	Mean Sea Level
NAPL	Non-aqueous Phase Liquid
NPDES/SDS	National Pollutant Discharge Elimination System/State Disposal System
NPL	National Priority List
Pace	Pace Analytical Services Inc.
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PEF	Potency Equivalency Factors
Phase I	Phase I Environmental Site Assessment
Phase II	Phase II Environmental Investigation Report
PID	Photoionization Detector
PLP	State Permanent List of Priorities
ppm	parts per million
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RCRA 8 metals	List of 8 RCRA Metals, including Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver
Reilly Site	Reilly Tar/Republic Creosoting Superfund site
SEH	Short Elliott Hendrickson Inc.
SRV	Minnesota Pollution Control Agency Soil Reference Value
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TH 7	Trunk Highway 7
Tier 1 SRV	Tier 1 Residential SRV
Tier 2 SRV	Tier 2 Industrial SRV
VIC	Voluntary Investigation and Clean-up
VOC	Volatile Organic Compound
WAD	Weak Acid Dissociable
µg/L	Microgram per Liter

Executive Summary

Short Elliott Hendrickson Inc. (SEH®) was retained by the City of Saint Louis Park to conduct a Phase II environmental drilling investigation on the Trunk Highway (TH) 7 and Louisiana Avenue interchange (**Figure 1**). The purpose of the investigation is to identify waste and impacts to soil and groundwater that may be encountered during construction. The results of the investigation will be utilized for planning for construction and may be used for liability assurances.

Contamination associated with the project is largely related to the Reilly Tar/Republic Creosoting Environmental Protection Agency Superfund site (Reilly Site). However, numerous additional sites within the project corridor have impacts from past industrial and commercial uses. Many sites have been investigated and remediated. Often times however, remediation activities are limited to site boundaries and impacts extending beneath roadways and utility corridors remain. Additionally, the TH 7 and Louisiana Avenue interchange has been significantly modified with past realignments of the roadways and filling and excavation activities. The purpose of this drilling investigation is to evaluate soil and groundwater conditions within the anticipated project corridor.

The shallow geology of the project area includes quaternary outwash and swamp deposits. The outwash and swamp deposits are typically overlain by sandy fill material. Swamp deposits encountered include peat, clay, and alluvium. For the most part, fill material did not contain debris although minor amounts of concrete or asphalt were encountered in a few borings.

Impacts to soil within the project area are generally naphthalene, benzo(a)pyrene equivalents, and petroleum compounds largely attributed to the Reilly Site. Chemical concentrations in soil are compared to the Minnesota Pollution Control Agency (MPCA) Tier 1 and Tier 2 Soil Reference Values (SRVs). Nearly all samples which have an exceedance(s) of the Tier 1 SRVs also have an exceedance(s) of the Tier 2 SRV, therefore the following discussion will focus on the Tier 2 SRVs. Soil with Tier 2 SRV exceedances of naphthalene are encountered on the southwest quadrant of TH 7 and Louisiana Avenue and on Louisiana Avenue between Walker Street and TH 7. Non-aqueous phase liquid (NAPL) as a sheen or oily product was observed in borings in both of these areas. Exceedances were present in both fill material and native deposits. Benzo(a)pyrene equivalents exceed the Tier 2 SRVs in this area and additional areas. Benzo(a)pyrene equivalents exceed the Tier 2 SRV north of Walker Street (in the Reilly Superfund site area) and on the western extreme of the TH 7 alignment. Petroleum impacts also correlate with impacts of naphthalene. One sample was analyzed for toxicity characteristic leachate procedure (TCLP) VOCs, resulting concentrations are non-detect.

Soil impacted with calcium hydroxide was encountered in two locations within the project area. A lens of calcium hydroxide was encountered adjacent to the source site, south of West Lake Street on the east side of Louisiana Avenue. Calcium hydroxide impacted soil was also encountered under the parking lot on the southwest quadrant of the intersection (soil from the source area of the calcium hydroxide impacts were previously spread under the parking lot). Both samples of the material indicate a pH of 12.5 standard units which is the limit for characteristically hazardous waste.

Depth to shallow groundwater in the project area ranges from approximately 3 to 24 feet below ground surface (bgs). The corresponding water elevations range from approximately 873 to 890 feet above mean sea level (msl) with an average of 885 feet msl across the site. It is assumed the peat and fine grained swamp deposits are somewhat confining. Water bearing sands were encountered perched above moist peat or below the peat with potentiometric elevations above the peat.

Elevated naphthalene and petroleum in groundwater is similar to impacts of naphthalene and petroleum in soil. Borings along Louisiana Avenue, from the northern to southern project extents, encountered elevated naphthalene and petroleum. NAPL as a sheen or oily product was observed at or below the water- table in these areas. The Groundwater on the eastern portion of the study area contained chlorinated VOCs.

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Phase II Investigation Report

Trunk Highway 7 and Louisiana Avenue Interchange

Prepared for the City of Saint Louis Park

1.0 Introduction

Short Elliott Hendrickson Inc. (SEH®) was retained by the City of Saint Louis Park to conduct a Phase II Environmental Investigation Report (Phase II). The investigated project is the Trunk Highway 7 (TH 7) and Louisiana Avenue Interchange, in Saint Louis Park, Hennepin County, Minnesota (herein referred to as "the project area"). The site location is depicted on **Figure 1**. The project area is located in the southern portion of Township 28N Range 22W Section 5.

The project area includes the right of way (ROW) of TH 7 and Louisiana Avenue, portions of the right of way of Walker Street and West Lake Street and property owned by the City of Saint Louis Park on the northeast, southeast, and southwest quadrants of the intersection. The project area is depicted on **Figure 2**.

1.1 Scope of Work

This Phase II consisted of the following general tasks:

- Boring and soil sampling and analysis. Analytes varied by location and included volatile organics (VOCs), semi-volatile organics (SVOCs), diesel range organics (DRO), gasoline range organics (GRO), RCRA 8 metals, polychlorinated biphenyls (PCBs), toxicity characteristic leachate procedure (TCLP) lead and VOCs, cyanide, pesticides and pH.
- Groundwater sampling and analysis. Analytes varied by location and included VOCs, SVOCs, DRO, GRO, RCRA 8 metals, and cyanide.
- Final Phase II report summarizing the site sampling and laboratory analytical results.

1.2 Purpose

The City of Saint Louis Park intends to reconstruct the TH 7 and Louisiana Avenue Interchange. The purpose of this Phase II is to investigate the project area for the presence, magnitude and extent of contaminated soil, groundwater, and waste that may be encountered during the reconstruction. The City of Saint Louis Park will use the finding of this investigation to manage environmental conditions that may be encountered during construction. The Phase II Environmental Investigation will address two main objectives.

- To obtain information regarding impacts to soil and groundwater within the project area. Excavation of impacted soil and dewatering of impacted groundwater is anticipated to occur during construction. Numerous investigations have been historically completed in the area. The purpose for the current investigation is to determine present conditions at

the site and target construction areas for investigation. The results of the Phase II Investigation will be used to complete the Response Action Plan (RAP). The ultimate goal is to receive Minnesota Pollution Control Agency (MPCA) approval and Minnesota Department of Transportation (MnDOT) approval of the RAP.

- To apply for No Association Determinations from the MPCA Voluntary Investigation and Clean-up program (VIC). Typically, the MPCA requires recent data be collected to obtain a No Association Determination. The City may decide if No Association Determinations are desired for the property the City will acquire. MnDOT will require No Association Determines for properties they will acquire or (have easement).

2.0 Site Background

2.1 Site Location

The project area is located in Saint Louis Park, Minnesota, south of Interstate 394, west of TH 100, and east of U.S. Highway 169. The project area is located at the intersection of TH 7 and Louisiana Avenue. The proposed layout is presented on **Figure 2**.

2.2 Site Description

The proposed project is located in the City of Saint Louis Park, Minnesota, an urbanized first-tier suburb in the western Twin Cities metropolitan area. In the project area, TH 7 is a four-lane divided highway. Louisiana Avenue is also a four-lane roadway that intersects TH 7; that is currently controlled with a traffic signal system. The project area contains a mix of land uses including low- and high-density residential, commercial, corporate/office, manufacturing, and open space. Just east of the TH 7 and Louisiana Avenue intersection, a new grade separated interchange has been constructed at the TH 7 and Wooddale Avenue intersection. A future Southwest Light Rail Transit station is planned along the east side of Louisiana Avenue, which will be located just south of the project area. Saint Louis Park has several redevelopment plans along the transit corridor and surrounding the future station.

The project and surrounding area is described as slightly sloping southeast on the north side of TH 7 and relatively flat south of TH 7 with an elevation of approximately 900-feet above mean sea level (msl). Historically, numerous swampy areas existed at and surrounding the intersection. These areas have since been largely filled. Additionally regrading occurred during the previous constructions of the intersection and realignments.

2.3 Summary of Identified Environmental Concerns

In preparation for this project SEH completed a Phase I Environmental Site Assessment (ESA) (SEH August 2009). The project area has an extensive history of past industrial activities and associated environmental impacts. From the early 1900s to the mid 1900s the project area was industrial. The mid to late 1900s was a period of transition with industrial, residential and commercial occupants in the area. Numerous investigations and cleanup activities have been performed on the project area associated with past industrial uses. The following discussion provides an overview of the major impacts in the area. A detailed summary of the file review conducted was previously included in the work plan for this Phase II (SEH January 2011).

2.3.1 Reilly Site

The properties of concern within the project limits largely relate to extensive impacts from the Reilly Tar/Republic Creosoting Superfund site (herein referred to as the Reilly Site). The intersection of TH 7 and Louisiana Avenue is located directly adjacent to and is impacted by the Reilly Site. The plant site (the former Republic Creosoting Works) is generally located to

the north and west of the intersection of Louisiana Avenue and Walker Street. The northern portion of the project is located within the limits of the Superfund site. It is well documented that impacts extend beyond the property boundaries of the Superfund site and impact the intersection of TH 7 and Louisiana Avenue and surrounding properties. The City of Saint Louis Park is a responsible party for the site and has completed remediation and redevelopment work under the Superfund program.

The site is a former coal tar distillation facility and wood preserving plant. The site's primary production was creosote and also treated railroad ties, timbers, poles, piling, and heavy duty products. The chemical compounds associated with on-site processes are polycyclic aromatic hydrocarbons (PAHs) and phenolics. The release of PAHs are linked to the coal distillation process, waste disposal practices, and materials stored on the Reilly Site. Wastes containing coal tar and its distillation by-products were discharged over the ground surface into a network of ditches that emptied into a peat bog south of the Reilly Site (at the southwest quadrant of the TH 7 and Louisiana Avenue Interchange). The groundwater plume associated with this site impacts multiple aquifers including the shallow drift aquifer. Groundwater is documented to flow generally east across the project area. Numerous parcels adjacent to the Reilly Site have entered into the MPCA VIC program due to impacts from the Reilly Site.

2.3.2 Former National Lead/Taracorp/Golden Auto

Former National Lead Industries (a.k.a. Taracorp/Golden Auto) is located adjacent to the eastern most portion of the project. National Lead was a metal refining and refabricating site listed for contamination of sulfates, dissolved solids, lead, battery fragments, lead-bearing debris and slag. Discharge of liquid waste through the process sewers which ran to the municipal sewer system from lead smelting has impacted the site. Groundwater and soil beyond the property boundaries may be contaminated. Contaminants of concern include lead, arsenic, cadmium and petroleum. Large amounts of lead slag from the plant's early operations were buried in a part of the site later occupied by Golden Auto Parts. The site has been delisted from the National Priority List (NPL) and the State Permanent List of Priorities (PLP) and Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) database.

2.3.3 Sams Club

Sams Club is a MPCA Brownfield and VIC site. In addition to impacts from the Reilly Site, this site is also impacted with calcium hydroxide. Calcium hydroxide was produced as a by-product of acetylene gas manufacturing (PrestoLite). Calcium hydroxide impacted soils were/are present on the west side of the site, adjacent to Louisiana Avenue. Calcium hydroxide was mixed with soil to lower pH and reused on site.

2.3.4 Vapor Intrusion Survey and Edina Well Field Superfund site

Shallow groundwater northeast and southeast of the project area is impacted with chlorinated solvents. The MPCA has completed a vapor monitoring investigation in the area and found chlorinated solvents in soil vapor collected in the residential neighborhood northeast of the Louisiana Avenue and TH 7 intersection. Petroleum was also detected in the soil vapor and groundwater. The source of these impacts has not been identified.

The Edina Well Field Superfund site is located southeast of the project area. The source of chlorinated solvent impacts in Edina municipal well 7 is not fully understood, however the suspected source of chlorinated solvents is adjacent to northeast of the project intersection.

2.3.5 Additional Sources of Impacts

Additional properties with sources of impacts beyond those associated with the Reilly Site and those listed above include numerous machine shops, fuel stations, and a chemical manufacturer.

2.3.6 Interview Information

On December 12, 2010 SEH interviewed Bill Gregg AECOM Technology Corporation (formerly ENSR International Corporation) who consulted for the City of Saint Louis Park with issues associated with the Reilly Site and the Louisiana Avenue Realignment. The following information was obtained during the interview.

2.3.6.1 History of the area

TH 7 was constructed around 1932. The Highway was built above the original grade. Louisiana Avenue was realigned in the 1990s. During the 1990s the additional fill was removed to lower the grade. Underlying the fill is peat impacted with PAHs. The Reilly Site was generally north of Walker Street. Unlined ditches discharged to marsh areas to the south.

2.3.6.1.1 Contaminated Areas

In the past work completed by the City, the Reilly Site impacted material was disposed of at municipal landfills as contaminated soil. Peat between Walker and Lake Street will likely have high PAH and possible tar non-aqueous phase liquid (NAPL) (mainly creosote). There is an operating containment well just north of Lake Street near the proposed location of the bio-retention basin. If the pumping well is shut down the water level may rise by a half of a foot. The treatment building associated with this well has a collection system that is connected to the superfund site with piping crossing TH 7 and Louisiana Avenue. The collection system will not have enough capacity for construction dewatering.

Thermal treatment and reuse of soil was completed on the property now occupied by the apartment complex on the northwest quadrant of the intersection.

NAPL was also present at the parking lot area on the southwest quadrant of the interchange. This area was filled under the consent decree for the Reilly Site. In the late 1980s, before the parking lot was constructed, the area south of Lake Street was investigated. Calcium hydroxide impacted soils associated with the former Cardinal Glass site were excavated and placed in the area of the current parking lot at Lake Street. At the time of placement, the soil had a pH of 12.4 standard units.

Groundwater is known to be impacted with chlorinated VOCs (cVOCs) north and south of TH 7. A municipal well (Edina 7) downgradient of the project area is impacted with cVOCs. The exact source of the cVOCs is not known.

2.3.7 MPCA File Review

SEH completed a file review of documents available from the MPCA and Environmental Protection Agency (EPA). The file review included a notation of property restrictions. A detailed summary of the file review was previously included in the work plan for this Phase II (SEH January 2011).

3.0 Regional Physical Setting

Numerous subsurface investigations have been completed within the project area. The following sections summarize the regional physical setting from published information

available for the project area. Due to the overwhelming amount of information not all records were reviewed in detail.

3.1 Regional Geology

Surficial deposits at the project area include quaternary outwash and swamp deposits. The project area is an outwash plain of sandy soils derived from the Des Moines Lobe and Grantsburg sublobe Wisconsin glaciation. The surface geology underlying the site consists of varying amounts of fill, outwash, and peat/muck. According to the Surficial Geology of the Twin Cities Metropolitan Area, Minnesota (Meyer 2007), glacial outwash consists of sand, gravelly sand, and gravel. The upper few feet in many places have been reworked by wind action and wind-blown loess is common at less than four feet thick. The peat includes fine grained organic matter and marl (calcareous clay) at depth in places. Deposits of alluvium are also present.

A north and south trending area of organic peat and muck is present across the project area, crossing the intersection of TH 7 and Louisiana Avenue extending from Lake Avenue to the east and Oregon Avenue to the west. This area represents a historic topographic low where organic deposits accumulated in marshy areas. Varying thicknesses of fill material overlie the quaternary deposits. Marshy areas surrounding the intersection were required to be filled under the Consent Decree for the Reilly Site. Historically, surface water locally followed the trend of the marshy areas from the Reilly Site located north of the intersection to the south.

The peat and organic silt located at the TH 7 and Louisiana Avenue interchange is roughly 5 to 20 feet thick. The peat deposits thin to absence on the eastern and western portions of TH 7 within the project limits. Varying fill material is commonly present at the surface to varying depths with a rough average of ten feet. The depth to bedrock is roughly 75 to 100 feet below ground surface (bgs). The upper most bedrock is Platteville formation. The Platteville Formation is defined as fine grained dolostone and limestone underlain by the green, sandy shale of the Glenwood Formation.

3.2 Hydrogeology

According to the Minnesota Geological Survey – Geologic Atlas for Hennepin County, Minnesota (MGS, 1989), shallow groundwater is encountered at around 890 feet above mean sea level. According to groundwater monitoring completed in the area, groundwater in the drift aquifer is flowing east with a slight southerly component.

4.0 Overview of Phase II Investigation

4.1 Scope and Rationale

The goal of this Phase II is to determine the extent of environmental impacts to soil and groundwater on the site. The scope of the subsurface investigation included thirty-three Geoprobe® soil borings (**Figure 2**). The investigation included field screening soil for organic compounds and collecting soil samples and water samples for laboratory analysis. The results of soil screening and laboratory analysis are used to evaluate impacts to the site.

4.2 Field Investigation and Sampling Methods

The following sections describe the methods, procedures, and protocol used to conduct soil borings, soil sampling and groundwater sampling. Whenever possible and practical, the procedures were performed in accordance with MPCA guidelines.

4.2.1 Soil Borings

Geoprobe® borings (boreholes) were advanced on the site by Thein Well with truck mounted and track mounted units in general accordance with the EPA Standard Operating Procedure No. 2050, Model 5400 Geoprobe™ Operation. No lubricants or solvents were used for downhole drilling or sampling equipment. Each borehole was properly abandoned and all borehole cuttings were drummed and left on-site. The location of each borehole is depicted on **Figure 2**.

4.2.2 Site Soil Sampling

Soil samples were collected using a steel rod and sampler advanced into the ground using the hydraulic and/or hammer devices. Samplers were four feet long and two inch diameter hollow, stainless steel cylinders (Macro-Core®). The soil samples were collected in a hollow acetate liner placed into the sampler and extruded once the sample was withdrawn from the subsurface. Soil samples were collected continuously at four feet intervals to the termination depth of the boring. A portion of each sample was reserved for description in the field in general conformance with ASTM D 2488. Boring logs were prepared for each soil boring and are included in this report as **Appendix A**.

The acetate liner of each sample was cut open and the respective soil samples were placed into the appropriate jars for laboratory analysis. The SEH scientist wore a new clean pair of disposable Nitrile® gloves while collecting each sample. All remaining soil from each sample and borehole cuttings were drummed on-site. Sample containers were placed in coolers with ice and were protected from sunlight. Samples were transported to Pace Analytical Services Inc. (Pace) within 48 hours of their collection with proper chain-of-custody documentation.

Specific information on samples collected at each site (e.g. total number of samples collected, samples depths, etc.) is included within Section 5.0 “Phase II Investigation Results”.

Samples were collected for field screening from each boring. Soil samples collected were placed in a new, clean, quart-size, labeled, resealable bag. The bags used for field screening were used for one sample only. Soil clumps were manually agitated and the bags were shaken vigorously at the beginning and end of the headspace development period. The bags were allowed to volatilize in a sunny location. A MiniRae Photo-ionization detector with a 10.6 eV hNu bulb calibrated to Isobutylene was inserted through a small opening in the bag and the highest reading was recorded.

The results of the field screening are documented on the SEH scientists’ boring logs. Empty bag readings were recorded periodically throughout the investigation and are considered “background”. Empty bags had readings ranging from 4 to 6 ppm.

Samples collected were labeled corresponding to the boring number from which they were collected (for example GP-01). Additionally, soil samples were labeled for the depth from which they were collected (in feet bgs). Samples collected were labeled with the corresponding depth; these samples may have been collected from ± 0.5 feet from the sample’s location depth.

4.2.3 Groundwater Sampling

Groundwater samples were collected through a PVC screen with polyethylene tubing and a peristaltic pump. Groundwater was purged prior to sampling. Groundwater samples may have contained some sediment which could bias PAH concentrations high relative to true groundwater concentrations; however, groundwater samples are considered representative for

dewatering construction water. The SEH scientist wore a new clean pair of disposable Nitrile® gloves while collecting each groundwater sample. The groundwater samples were placed in the appropriate laboratory containers in accordance with the laboratory's specifications. The sample containers were placed in a cooler with ice and protected from sunlight. The samples were then transported to Pace within 48 hours of their collection with proper chain-of-custody documentation.

Samples collected were labeled corresponding to the boring number from which they were collected (for example GP-01). Additionally, groundwater samples were labeled with the apparent depth (in feet bgs) to groundwater followed by the letter "W".

Specific information on samples collected at each site (e.g. total number of samples collected, samples depths, etc.) is included within Section 5.0 "Phase II Investigation Results".

Groundwater sampling was completed from shallow groundwater encountered. The purpose of groundwater sampling was to investigate groundwater most likely to be encountered during construction and dewatering activities.

4.3 Chemical Analytical Methodologies

The soil and groundwater samples were analyzed by Pace. The laboratory analytical methods and quality control data are included within the Pace laboratory reports attached as **Appendix B**.

Soil sample analytes included:

- Diesel Range Organics (Wisconsin Method DRO)
- Gasoline Range Organics (Wisconsin Method GRO)
- Volatile Organic Compounds (EPA Method 8260B)
- Semi-Volatiles (Method 8270C)
- RCRA 8 Metals (EPA Method 7471A/6010B)
- Polychlorinated Biphenyls (EPA Method 8082)
- Total Cyanide (SM4500CN-E) (all forms of free and metal bound cyanides, including the non-toxic and stable iron cyanides)
- pH (EPA Method 9045)
- List 1 Pesticides (EPA 3545)
- Toxicity characteristic leachate procedure lead and TCLP VOCs.

Groundwater analytes included:

- Diesel Range Organics (Wisconsin Method DRO)
- Gasoline Range Organics (Wisconsin Method GRO)
- Volatile Organic Compounds (EPA Method 8260B)
- Semi-Volatiles (Method 8270C)
- RCRA 8 Metals (EPA Method 7471/6010B)
- Total Cyanide (SM4500CN-E) (all forms of free and metal bound cyanides, including the non-toxic and stable iron cyanides)

4.4 Notes on Analytical Methods

The following descriptions provide background information and terminology for DRO, GRO, benzo(a)pyrene equivalents (BaP) and cyanide. Also included is a discussion of common laboratory contaminants under VOC and SVOC analysis.

4.4.1 DRO

The Wisconsin DRO Method (DRO) is designed to measure mid-range petroleum products such as diesel or fuel oil. This method provides gas chromatographic conditions for the detection of semi-volatile petroleum fractions such as diesel, fuel oil #2, or kerosene. DRO analysis includes hydrocarbons within the range of C10 - C28 and a boiling point range between approximately 170°C and 430°C. Quantitation is based on a direct comparison of the total area within this range to the total area of the Diesel Component Standard. As defined in the method, other organic compounds, including chlorinated hydrocarbons, phenols, phthalate esters, polycyclic aromatic hydrocarbons (PAHs), kerosene, fuel oils and heavier oils are measurable. DRO results include these compounds/products. Components greater than C28 present in products such as motor oils or lubricating oils are detectable under the conditions of the method (Wisconsin DNRa, September 1995).

4.4.2 Silica Gel Clean-up

DRO samples may be complicated by biogenic interference which includes materials such as naturally occurring organics. These concentrations may occur at levels well above the regulatory limit.

Silica gel cleanup is a well established analytical procedure used to separate analytes of different polarity. The majority of “fresh” or non-biodegraded petroleum hydrocarbons are considered non-polar compounds. Depending upon the soil makeup, the majority of the biogenic compounds may be polar or semi-polar in nature. The silica gel cleanup procedure will preferentially remove polar and semi-polar compounds, thus leaving the non-polar or petroleum hydrocarbons behind.

The clean up procedure typically takes place after the initial DRO extract has been analyzed and the client evaluates the results. It is important that the original extract be used to minimize the variable of non-homogeneous samples. The original extract is taken back to the laboratory for cleanup and re-injected along with the batch QC samples. Both “before and after” results are reported (Pace, October 2007).

4.4.3 GRO

The Wisconsin GRO Method (GRO) is designed to measure the concentration of GRO in water and soil. GRO analysis includes hydrocarbon within the range of C6 - C10 and a boiling point range between approximately 60°C and 220°C. (All the chromatographic response falling between the onset of the methyl-tertiary-butyl ether peak and the conclusion of the naphthalene peak). Quantitation is based on a direct comparison of the total area within this range to the total area of the Gasoline Component Standard. As defined in the method, other organic compounds, including chlorinated solvents, ketones, ethers, mineral spirits, stoddard solvents, and napthas are measurable. GRO results include these compounds/products: petroleum fractions such as gasoline, stoddard solvent, or mineral spirits.

High levels of heavier petroleum products such as diesel fuel may contain some volatile components producing a response within the retention time range for GRO. Other organic

compounds, including chlorinated solvents, ketones, and ethers are measurable. As defined in the method, the GRO results include these compounds (Wisconsin DNRb, September 1995).

4.4.4 Benzo(a)pyrene Equivalents

The MPCA uses Potency Equivalency Factors (PEFs) to evaluate toxicity and to assess risks of carcinogenic PAHs. A PEF is a relative estimate of toxicity of chemical compared to a reference chemical. Benzo(a)pyrene was chosen as a reference chemical for carcinogenic PAHs because its toxicity is well characterized. A table developed by the MPCA used to calculate benzo(a)pyrene equivalents (BaPs) is used in this report. Per MPCA recommendation, "zero" is used for non-detected analytes in the BaP calculation (MPCA June 2011).

4.4.5 Cyanide

The following descriptions define the various terms for cyanide analysis as defined in ASTM D 6696-05 *Standard Guide for Understanding Cyanide Species* (ASTM 2006).

Total Cyanide - Total Cyanide is all of the inorganic chemical forms of cyanide. In water, total cyanide includes the following dissolved species: free cyanide, weak acid dissociable metal cyanide complexes and strong metal cyanide complexes. Additionally, total cyanide may also include some organic forms of cyanide such as nitriles that may release free cyanide under the conditions of the analysis.

Free Cyanide - free cyanide is the form of cyanide that is bioavailable and known for its toxic effect on organisms. Free cyanide refers to the sum of molecular hydrogen cyanide (HCN) and cyanide ion (CN-). Because of its toxicity, free cyanide is regulated in environmental waste.

4.4.6 Common Laboratory Contaminants

In the process of having samples prepared and tested in a laboratory, contaminants may be introduced in the process resulting in false positive results for select organic compounds (EPA July 2006). These compounds may be introduced into the sample by several different means including, but not limited to, laboratory cleaning methods and sample preparation procedures. If detected in samples, these compounds should be compared to corresponding blank sample results to ensure that the compound detected is a valid detection. Common VOC laboratory contaminants include:

- Methylene chloride
- Acetone
- 2-Butanone
- Chloroform

Common Phthalate contaminates are also identified as potential SVOC laboratory contaminants. These include:

- Bis(2-ethylhexyl)phthalate
- Diethyl phthalate
- Benzyl phthalate
- N-butyl phthalate
- N-octyl phthalate

Once again, sources of contaminants may vary and may include laboratory solvents and water, powdered gloves to laboratory and field equipment (EPA July 2006).

4.5 Quality Assurance/Quality Control

Pace is a Minnesota-certified laboratory and have a current Quality Assurance/Quality Control (QA/QC) manual on file with the Minnesota Department of Health and the MPCA. A QA/QC report "Project Narrative" is attached near the beginning of each Pace laboratory report (**Appendix D**). The QA/QC report includes:

- General information
- Hold time
- Sample preparation
- Initial calibrations
- Continuing calibrations
- Surrogates
- Method blanks
- Laboratory control spikes
- Matrix spikes
- Duplicate samples
- Additional comments

Data qualifiers have been added to the soil table for results determined to be estimated based on laboratory QA/QC data. Additionally, data associated with analytes benzidine, dichlorofluoromethane, and dimethylphthalate for soil is qualified as estimated non-detect based on laboratory control sample data or secondary source verification. Acetone in water is considered estimated non-detect based on continuing calibration outside of acceptable limits. However this data is not considered a driver for the site and these qualifiers are not indicated on the tables as results are not detected. Additionally, it is noted that many DRO analyses indicate that high boiling point hydrocarbons are present.

4.5.1 Additional Comment Regarding Analytical QA/QC

Naphthalene is analyzed by both methods EPA 8260 and EPA 8270. Typically resulting concentrations reported for the same sample by each method will be similar, but not exact. For the samples included in this Phase II investigation some soil samples have naphthalene concentrations which have a respective difference greater than two orders of magnitude between the two methods. The following samples and resulting naphthalene concentrations (in mg/kg) differ by at least two orders of magnitude:

Sample ID	Naphthalene by EPA 8270	Naphthalene by EPA 8260
GP-07-16	3620	<1.0
GP-22-16	88.4	0.32
GP-12-12	<1.1	1900
GP-11-7	<0.36	48.3

(all in mg/kg)

The laboratory was contacted regarding the discrepancy and the technical director and supervisors reviewed the supporting data. The laboratory did not find any support to discount the naphthalene values. Therefore the discrepancy has not been resolved. For purposes of

evaluating soil impacts, the higher naphthalene values are referenced in discussion and presented on figures. Both results are presented on the tables.

4.6 Soil and Groundwater Reference Values

To evaluate the magnitude of impacts, analytical results are compared to MPCA Reference Values and Minnesota Department of Health (MDH) groundwater levels. Soil results are compared to MPCA Tier 1 Residential Soil Reference Values (Tier 1 SRVs) and Tier 2 Industrial Soil Reference Values (Tier 2 SRVs). TCLP results are compared to EPA hazardous levels for toxicity (40 CFR 261.24 Table 1).

Groundwater results are compared to MDH Groundwater Values (GWVs). These values are used as a proxy for evaluating the impacts to groundwater. However, for construction purposes the actionable limits for groundwater dewatering discharge would be established in the issued discharge permits from the MPCA NPDES/SDS program and/or MCES.

No published values exist for DRO and GRO, however, the MPCA and MDH generally use a guideline of 200 mg/kg for soil and 200 µg/L for groundwater. The MPCA has defined a limit for DRO in the guidance document *Best Management Practices for the Off-Site Reuse of Excess Fill from Development Sites* (MPCA January 2011) of 10 mg/kg in soil.

Regulatory limits established for cyanide are for free cyanide. Total cyanide is compared to the regulatory limits for free cyanide because no action levels exist for total cyanide. This comparison can confirm acceptable levels of cyanide, however cannot confirm exceedances of free cyanide.

4.6.1 Notes on Regulatory Levels for Soil

In some cases, metals occurring naturally in soil exceed the action levels set in the Tier 1 SRVs and Tier 2 SRVs. The following summarizes the generalized naturally occurring levels of metals in soil as defined by the EPA in mg/kg or ppm in comparison the MPCA Tier 1 and Tier 2 SRVs. (Source: US EPA Office of Solid Waste and Emergency Response, Hazardous Waste and Land Treatment, SW-874 (April 1983).

Analyte	Common Range	Average	Tier 1 SRV	Tier 2 SRV
Arsenic	1-50	5	9	20
Barium	100-3000	430	1100	18000
Cadmium	0.01-0.7	0.06	25	200
Chromium	1-1000	100	87	650
Copper	2-100	30	100	9000
Lead	2-200	10	300	700
Mercury	0.01-0.3	0.03	0.5	1.5
Molybdenum	0.2-5	2	None	None
Nickel	5-500	40	560	2500
Selenium	0.1-2	0.3	160	1300
Silver	0.01-5	0.05	160	1300
Zinc	10-300	50	8700	75000

All units reported in mg/kg or ppm.

The values stated above are generalized ranges throughout the United States. Variations occur across soil types and parent material. Site-specific background levels of metals in soil were not evaluated during this investigation. Therefore, Tier 1 and Tier 2 SRVs for metals are used as actionable levels for this project.

4.6.2 Regulatory Levels vs. Laboratory Reporting Limits

Tables of analytical results attached to this report include only detected parameters. In some cases, laboratory reporting limits are greater than the regulatory limits. If a parameter is not detected in any sample, the parameter is not included on the attached tables. In most cases, the elevated reporting limit is due to sample dilution (required by high level of target, non-target analytes or matrix interferences) therefore the sample exceeds regulatory level for other parameters. Laboratory reporting limits for soil analytes n-nitro-di-propylamine and bromomethane are above the regulatory levels in samples that do not exceed any regulatory level by detected results. However, these parameters are not considered contaminants of concern for the project area. For groundwater, the following analytes have reporting limits that exceed the regulatory levels: 2,4-dimethylphenol, acenaphthalene, fluorene, methylene chloride, tetrachloroethene, and trichloroethene. For nearly all samples where these reporting limits are exceedances, there are also detected exceedances. Therefore they are not discussed further in this report.

5.0 Phase II Investigation Results

Geologic logging, field screening and laboratory analyses were conducted on the thirty-three borings completed on the site. The following sections detail the results of the investigation. Detailed information including boring logs, laboratory reports, and daily field logs may be found in **Appendices A, B,** and **C** respectively. An overview of impacts to the site is included as Section 6.0 “Conclusions.”

5.1 Overview

Thirty-three boring locations were chosen based on-site observations and historical use of the site. Site features identified in the Phase I ESA completed by SEH are depicted along with boring locations on **Figure 2**. A list of the boring locations and rationale is included on **Table 1**.

5.1.1 Results of Geologic and Hydrogeologic Site Investigation

5.1.1.1 Geology

The surface geology underlying the site consists of varying amounts of fill, outwash, and swamp deposits of peat/muck. The depth of fill across the site has an average thickness of 10 feet. Fill material generally consists of fine to medium grained sand with varying amounts of silt and gravel. Fill is generally loose, moist, and light to dark brown. Fill generally does not contain debris although isolated asphalt or concrete debris in fill was present in a few borings. Peat includes fine-grained organic matter and marl (calcareous clay) at depth in places. Deposits of alluvium are also present.

5.1.1.2 Hydrogeology

Depth to shallow groundwater ranges from approximately 3 to 24 feet bgs. The corresponding water elevations range from approximately 873 to 890 feet msl with an average of 885 feet msl across the site. It is assumed the peat and fine grained swamp deposits are somewhat confining. Commonly water bearing sands were encountered perched above moist peat or below the peat with potentiometric elevations above the peat.

5.2 Results

Results of the investigation including field observations, field screening results, sample depths, groundwater depths and elevations, and summaries of analytical results are compiled on **Table 1**. The information compiled on the table and in the following discussion is organized by location within the project area. The areas discussed include:

- South of West Lake Street
- The southwest quadrant of TH 7/Louisiana Avenue
- TH 7 on the western extreme of the project area
- The southeast quadrant of TH 7/Louisiana Avenue
- TH 7 east of Monitor Street
- Between TH 7 and Walker Street on Louisiana Avenue
- North of Walker Street within the Reilly Site Superfund site boundary

The purpose of this organization is to facilitate conceptual understanding of impacts that may be encountered during construction in these areas. The above areas are labeled on **Figure 2**.

Photoionization detector (PID) field screening results are presented on **Table 2**. Soil analytical results are presented on **Table 3**. Groundwater analytical results are presented on **Table 4**. Select analytical results including DRO, naphthalene, and BaP equivalents in soil are presented on **Figure 3**. Select groundwater analytical results including DRO, naphthalene, and benzene are presented on **Figure 4**. This figure also includes the result for a single detection of tetrachloroethene. Subsurface diagrams depicting the site conditions are presented on **Figure 5**, **Figure 6**, **Figure 7**, and **Figure 8**.

5.2.1 South of West Lake Street

Four borings (GP-01 through GP-04) were completed south of West Lake Street. Borings were completed to a total depth of sixteen feet bgs. Borings GP-01 and GP-02 were completed on the eastern side of Louisiana Avenue adjacent to the Sams Club (former Presolite and Cardinal IG site). Boring GP-03 was completed on the western side of Louisiana Avenue. Boring GP-04 was also completed on the western side of Louisiana Avenue adjacent to a site with a previous tank excavation with petroleum impacts.

5.2.1.1 Results of the Soil Quality Investigation

Shallow soil in this area consists of fill to roughly 10 feet bgs. Boring GP-02 contained calcium hydroxide in fill for two feet from 6 feet bgs to 8 feet bgs. Underlying fill is 1 to 5 feet of peat. Silt or sand with silt underlies peat. Boring GP-03 encountered naphthalene-like and organic odors below the water table. Boring GP-04 had NAPL and sheen on soil below the water table. Elevated PID readings (greater than 10 ppm) were recorded in GP-02 and GP-04. The maximum PID reading is 39.8 ppm (**Table 2**).

5.2.1.1.1 Soil Analytical Results

Seven samples were collected from borings GP-01 through GP-04. Samples were analyzed for DRO, GRO, VOCs, SVOCs, and RCRA 8 metals. One sample containing calcium hydroxide was also analyzed for pH (**Table 3**). Soil impacts encountered south of West Lake Street are summarized below.

- Sample GP-04-8 has a maximum naphthalene concentration of 1810 mg/kg, exceeding the Tier 2 SRV of 28 mg/kg. DRO and GRO are detected at 8880 mg/kg and 603 mg/kg in this sample. Dibenzofuran and 2-methylnaphthalene exceed the Tier 1 SRV in this sample as well.
- Sample GP-02-7 has a pH of 12.5. This is indicative of the calcium hydroxide impacted soil associated with the Prestolite site. .
- Low levels of DRO are detected in samples GP-01-3 and GP-03-3 at 7.8 and 11.4 mg/kg respectively.

5.2.1.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 7 to 11 feet bgs (roughly 881 to 887 feet msl). A strong naphthalene-like odor and sheen were observed in groundwater from boring GP-04. Groundwater samples were collected from borings GP-01, GP-02, and GP-04. All samples were analyzed for DRO, GRO, SVOCs, VOCs, and RCRA 8 metals (**Table 4**). Groundwater impacts encountered south of West Lake Street are summarized below.

5.2.1.2.1 Groundwater Analytical Results

- Of the three samples, GP-04-8.5W has the greatest DRO concentration at 26,400 µg/L. Samples GP-02-10W and GP-01-8W have DRO concentrations of 351 and 4,550 µg/L respectively.
- Naphthalene in sample GP-04-8.5W at 14,200 µg/L exceeds the GWV of 70 µg/L.
- Additional VOCs and SVOCs were detected in all three samples. No other parameter concentrations exceed the established GWVs.

5.2.2 Southwest Quadrant of TH 7 and Louisiana Avenue

Five borings (GP-05, GP-06, GP-07, GP-21, and GP-22) were completed on the southwest quadrant of TH 7 and Louisiana Avenue. These borings are located in/near the former drainage area from the Reilly Site. Borings were completed to a total depth of 24 feet bgs. Borings GP-07 and GP-21 are located on the future east bound off-ramp. Borings GP-05 and GP-06 are located on the future roundabout connection to West Lake Street. Boring GP-22 is located nearest the intersection of TH 7 and Louisiana Avenue. Historically, this area was a marsh receiving drainage from the Reilly Site. The City filled the former marsh area under the Superfund consent decree. Calcium hydroxide impacted soil was placed in the area now occupied by the parking lot. A passive venting system is present to address methane under the parking lot.

5.2.2.1 Results of the Soil Quality Investigation

The thickness of fill in this area ranges from 7 to 15 feet. Fill is commonly stained grey and or black. Fill is interbedded with peat in boring GP-07. Boring GP-05 encountered fill potentially containing calcium hydroxide at 2 feet bgs. Strong naphthalene-like odors were observed in fill material in boring GP-07. Underlying fill is typically peat, clay, and alluvium swamp deposits, although outwash was encountered in borings GP-21 and GP-22. Peat is thickest in this area relative the rest of the project area. Slight to strong naphthalene-like odors are present in the swamp deposits and outwash. NAPL was encountered in borings GP-05 and GP-06 below 13 feet bgs. A petroleum odor was noted in boring GP-07 from 8 to 15 feet bgs. Elevated PID readings (greater than 10 ppm) were recorded in all borings except boring GP-22. The maximum PID reading was 218 ppm (**Table 2**).

5.2.2.1.1 Soil Analytical Results

Twelve samples were collected from borings GP-05, GP-06, GP-07, GP-21, and GP-22. Most samples were analyzed for VOCs, SVOCs, and RCRA 8 metals. One sample was analyzed for TCLP VOCs. Some samples were also analyzed for DRO and GRO. One sample containing calcium hydroxide was also analyzed for pH (**Table 3**). Soil impacts encountered on the southwest quadrant of TH 7 and Louisiana Avenue are summarized below.

- Sample GP-05-2 has a pH of 12.5 stand and units, equal to the characteristic hazardous level.
- Five samples exceed the Tier 2 SRV for naphthalene. Naphthalene exceedances are in native deposits of peat, alluvium, and outwash. All borings which exceed the Tier 2 SRV include an exceedance for naphthalene.

- Sample GP-05-15 has elevated petroleum VOCs including Tier 2 SRV exceedances of 1,2,4-trimethlybenzene, 1,3,5-trimethylbenzene, benzene, and xylene. TCLP VOCs were analyzed for this sample due to total benzene (and other VOC detection limits) exceeding the 20x TCLP limit. All TCLP VOCs are non-detect.
- DRO is detected in all samples with DRO analysis. All DRO concentrations are greater than 10 mg/kg. DRO concentration range from 12.7 to 13,400 mg/kg.
- Sample GP-22-4 arsenic is detected at 10.6 mg/kg, exceeding the Tier 1 SRV of 9 mg/kg.

5.2.2.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 4 to 22 feet bgs (roughly 883 to 889 feet msl) during drilling. Naphthalene-like odors were present below the water table. NAPL was observed below the water table in boring GP-05. Groundwater samples were collected from borings GP-07 and GP-21. Both samples were analyzed for DRO, GRO, SVOCs, and VOCs. Sample GP-07-8.5W was also analyzed for RCRA 8 metals and cyanide (**Table 4**). Groundwater impacts encountered on the southwest quadrant of TH 7 and Louisiana Avenue are summarized below.

5.2.2.2.1 Groundwater Analytical Results

- Benzene at 14.3 µg/L and naphthalene at 279 µg/L exceed the GWVs (2 µg/L and 70 µg/L respectively) in sample GP-07-8.5W. Additional VOCs and SVOCs are detected below GWVs.
- DRO is detected in both samples. DRO in sample GP-07-8.5W is 3,000 µg/L. DRO in sample GP-21-8W is 140 µg/L.

5.2.3 TH 7 West Extreme of the Project Area

Four borings (GP-14, GP-15, GP-19, and GP-20) were completed at the western extreme of the project area on TH 7. Borings were completed to a total depth of 16 or 24 feet bgs. Borings GP-14 and GP-15 were completed on the northern side of TH 7 adjacent to property that was formerly used as a machine shop and the Reilly Site. Former site features include a pond on the northeast corner of site connected to northern Reilly site by drainage ditch and a gasoline tank in the southeast corner of site. Previous investigations indicate that VOCs, SVOCs, and PCBs, were detected in soil and groundwater on the site. The southwestern portion of the property near the proposed ramp had PCB detections and a gasoline tank. Borings GP-19 and GP-20 were completed on the southern side of TH 7 under the future ramp. The area was formerly occupied by a chemical company which produced solvents and weed killers.

5.2.3.1 Results of the Soil Quality Investigation

The thickness of fill in this area ranges from 8 to 16 feet. Minor debris was encountered in fill. Boring GP-14 encountered crushed brick at 4 feet bgs. Boring GP-19 encountered asphalt debris at 7.5 feet bgs. There were no other field indications of impacts in fill material. Boring GP-14 encountered peat/silt below fill material from 8 to 16 feet bgs. Other borings GP-15, GP-19, and GP-20 encountered outwash underlying fill material. Boring GP-20 had poor to no recovery from 8 to 16 feet bgs. A slight organic and naphthalene-like odor was observed in boring GP-20 from 20 to 24 feet bgs. Elevated PID readings (greater than 10 ppm) were recorded in this boring (GP-20) from 6 feet bgs to the end of boring (24 feet bgs). The maximum PID reading was 23.2 ppm. No other elevated PID readings were recorded for this area (**Table 2**).

5.2.3.1.1 Soil Analytical Results

Five samples were collected from borings GP-14, GP-15, GP-19, and GP-20. Most samples were analyzed for DRO, GRO, VOCs, SVOCs, and RCRA 8 metals. Three samples were analyzed for PCBs and one sample was analyzed for pesticides (**Table 3**). Soil impacts encountered on the western extreme of the project area are summarized below.

- Three samples (GP-15-4, GP-19-5, and GP-20-6) have BaP equivalent concentrations that exceed the Tier 2 SRV. DRO is also detected in these samples at 404, 35.6 and 34.6 mg/kg respectively.
- Additional low level detections of VOCs and SVOCs do not exceed action limits.
- All PCBs and pesticides are non-detect.

5.2.3.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 8.5 to 10.5 feet bgs (roughly 887 to 888 feet msl) during drilling. Groundwater samples were collected from borings GP-14, GP-19 and GP-21. Generally samples were analyzed for DRO, GRO, SVOCs, and VOCs. Sample GP-20-6W was also analyzed for RCRA 8 metals (**Table 4**). Groundwater impacts encountered on the western extreme of the project area are summarized below.

5.2.3.2.1 Groundwater Analytical Results

- All analytes are non-detect with the exception of barium which is below the GWV.

5.2.4 Southeast Quadrant of TH 7 and Louisiana Avenue

Four borings (GP-16, GP-17, GP-18, and GP-23) were completed on the southeast quadrant of TH 7 and Louisiana Avenue. All borings were completed in the former drainage area from the Reilly Site. Borings were completed to a total depth of 20 feet bgs. Borings GP-16, GP-17, and GP-18 were completed in the future Lake Street Pond area. Boring GP-23 is located adjacent to the intersection and potential cut area for Louisiana Avenue.

5.2.4.1 Results of the Soil Quality Investigation

Fill in the future pond location is roughly 4 feet thick. Peat is encountered in these borings underlying fill to a maximum depth of 18 feet bgs. Fill adjacent to the intersection in boring GP-23 is 14.5 feet thick. A slight naphthalene-like odor was noted below fill in native sandy swamp deposits. Elevated PID readings (greater than 10 ppm) were recorded in all borings except boring GP-18. The maximum PID reading from boring GP-27 was 35.4 ppm (**Table 2**).

5.2.4.1.1 Soil Analytical Results

Seven samples were collected from borings GP-16, GP-17, GP-18, and GP-23. Generally samples were analyzed for VOCs, SVOCs, and RCRA 8 metals. Two samples were analyzed for DRO and GRO. Two samples were analyzed for cyanide (**Table 3**). Soil impacts encountered on TH 7 east of Monitor Street are summarized below.

- DRO is detected in sample GP-23-4 at 18.6 mg/kg.
- No samples exceed Tier 1 SRVs.

5.2.4.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 3 to 20 feet bgs (roughly 885 to 887 feet msl) during drilling. Groundwater samples were collected from borings GP-17, GP-18, and GP-23. Most samples were analyzed for DRO, GRO, VOCs, SVOCs, and RCRA 8 metals. Sample GP-17-20W was analyzed for only VOCs and SVOCs (**Table 4**). Groundwater impacts encountered on southeast quadrant of TH 7 and Louisiana Avenue are summarized below.

5.2.4.2.1 Groundwater Analytical Results

- Naphthalene exceeds the GWV (70 µg/L) in samples GP-17-20W and GP-18-3W. Petroleum VOCs (benzene and ethylbenzene) and methylene chloride also exceed GWVs in these samples.
- DRO is detected in GP-18-3W at 11,700 µg/L.
- DRO is detected in GP-23-11W at 250 µg/L, however detected VOCs and SVOCs do not exceed GWVs in this sample.

5.2.5 TH 7 East of Monitor Street

Six borings (GP-24 through GP-29) were completed on TH 7 east of Monitor Street. Borings were completed to a total depth of 24 or 30 feet bgs. Borings GP-24, GP-25, and GP-26 are located on the south side of TH 7. Boring GP-24 is located near a former auto repair shop; borings GP-25 and GP-26 are located in the vicinity of the former Nation Lead/Golden Auto site. Borings GP-27, GP-28, and GP-29 are located on the north side of TH 7. Borings GP-27 and GP-28 are located generally downgradient from a former fuel station with petroleum and chlorinated solvent impacts to soil and groundwater. Boring GP-29 is located on the future west bound off-ramp; groundwater impacts from the Reilly Site are documented in this area.

5.2.5.1 Results of the Soil Quality Investigation

The thickness of fill ranges from 8 to 24 feet thick. Boring GP-24, GP-25, and GP-28 have approximately 14 feet of fill underlain by peat. Peat is thickest in boring GP-24 to a maximum depth of 20 feet bgs. Peat is only approximately one foot thick in borings GP-25 and GP-28. Boring GP-26 encountered 24 feet of fill underlain by outwash. Boring GP-27 was terminated in fill with refusal at 24 feet bgs. Boring GP-29 encountered 8 feet of fill underlain by outwash. A naphthalene-like odor was observed directly above and below the water table in boring GP-26 and GP-29. Elevated PID readings (greater than 10 ppm) were recorded in all borings except boring GP-24. The maximum PID reading from boring GP-27 was 18 ppm (**Table 2**).

5.2.5.1.1 Soil Analytical Results

Six samples were collected from borings GP-24 through GP-29. Generally samples were analyzed for DRO, GRO, VOCs, SVOCs, and RCRA 8 metals. One sample was analyzed for TCLP lead. Two samples were analyzed for PCBs. One sample was analyzed for cyanide (**Table 3**). Soil impacts encountered on TH 7 east of Monitor Street are summarized below.

- Arsenic (at 41.4 mg/kg) exceeds the Tier 2 SRV (20 mg/kg) in sample GP-25-6.
- Sample GP-28-8 was analyzed for TCLP lead due to total lead greater than 20 times the TCLP hazardous limit in ppm. The resulting TCLP lead concentration is non-detect. The sample is below the Tier 1 SRV for total lead.
- BaP equivalent at 2.3 mg/kg in sample GP-28-8 exceeds the Tier 1 SRV (2 mg/kg).

5.2.5.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 7.5 to 23 feet bgs (roughly 874 to 890 feet msl) during drilling. Groundwater was not encountered in boring GP-26 completed to 24 feet bgs. Groundwater samples were collected from borings GP-24, GP-25, GP-27 and GP-28. Most samples were analyzed for DRO, GRO, VOCs, SVOCs, and RCRA 8 metals. Sample GP-24-13W was analyzed for only VOCs and SVOCs (**Table 4**). Groundwater impacts encountered on TH 7 east of Monitor Street are summarized below.

5.2.5.2.1 Groundwater Analytical Results

- Tetrachloroethene exceeds the GWV in sample GP-28-22W. This correlates with previous indications of chlorinated solvent impacts in this area.
- DRO is detected in GP-26-23W at 220 µg/L, however detected VOCs and SVOCs do not exceed GWVs.

5.2.6 Between TH 7 and Walker Street on Louisiana Avenue

Seven borings (GP-08 through GP-13 and GP-30) were completed north of TH 7 and south of Walker Street along Louisiana Avenue. This area has previously been shown to be impacted by the Reilly Site. Borings were completed to a total depth ranging from 12 to 24 feet bgs. Borings GP-08 and GP-09 are located on the east side of Louisiana Avenue. Boring GP-10 is located on Walker Street adjacent to the Reilly Site Superfund boundary. Borings GP-11, GP-12, and GP-13 were completed on the west side of Louisiana Avenue, adjacent to a redeveloped site with Reilly Site impacts. Greatest impacts on the remediated site were on the east-northeast portion of the site near borings GP-11 and GP-12. Boring GP-30 is located on the west bound off-ramp.

5.2.6.1 Results of the Soil Quality Investigation

Fill ranges from 8 to 13.5 feet thick. Peat underlies fill in all borings except GP-10. The thickness of peat ranges from 1 to 6 feet. Outwash typically underlies peat to the end of boring. Strong naphthalene-like odors were observed in borings GP-09, GP-12, and GP-30. Boring GP-09 and GP-12 also encountered NAPL as a sheen and thick oily product respectively. Elevated PID readings (greater than 10 ppm) were recorded in all borings except boring GP-08 and GP-10. The maximum PID reading is 173 ppm (**Table 2**).

5.2.6.1.1 Soil Analytical Results

Ten samples were collected from borings GP-08 through GP-13 and GP-30. Samples were analyzed for VOCs, SVOCs, and RCRA 8 metals. Select samples were also analyzed for DRO and GRO. One sample was analyzed for PCBs and three samples were analyzed for cyanide (**Table 3**). Soil impacts encountered between TH 7 and Walker Street on Louisiana Avenue are summarized below.

- Naphthalene exceeds the Tier 2 SRV (28 mg/kg) in samples GP-09-10, GP-11-7, GP-12-12, and GP-30-10. The greatest naphthalene concentration is in GP-12-12 at 1900 mg/kg.
- BaP equivalent at 2.9 mg/kg exceeds the Tier 1 SRV (2 mg/kg) in sample GP-11-4.
- Sample GP-12-12 was analyzed for TCLP due to total lead greater than 20 times the TCLP hazardous limit in ppm. The resulting TCLP lead concentration is non-detect. The sample is below the Tier 1 SRV for total lead.

5.2.6.2 Results of Groundwater Quality Investigation

Groundwater was encountered at roughly 9.5 to 15 feet bgs (roughly 878 to 886 feet msl) during drilling. Groundwater samples were collected from borings GP-08, GP-09, GP-10, GP-12 and GP-30. Samples were analyzed for VOCs and SVOCs. Sample GP-09-9.5W, GP-12-15W, and GP-30-19W were also analyzed for DRO, GRO, and RCRA 8 metals. Sample GP-09-9.5W was analyzed for cyanide (**Table 4**). Groundwater impacts encountered between TH 7 and Walker Street on Louisiana Avenue are summarized below.

5.2.6.2.1 Groundwater Analytical Results

- Naphthalene and petroleum VOCs exceed GWVs in samples GP-09-9.5W and GP-12-15W.
- DRO is detected in GP-30-19W at 110 µg/L, however detected VOCs and SVOCs do not exceed GWVs.

5.2.7 Reilly Site

Three borings (GP-31, GP-32, and GP-33) were completed north of Walker Street adjacent to Louisiana Avenue on the Reilly Site. All three borings are completed on the eastern side of Louisiana Avenue. Boring GP-31 is the northern most boring, completed adjacent to the former Reilly Site cooling pond area. Borings GP-32 and GP-33 were completed adjacent to a former gasoline tank leak in an area with potential for debris in shallow fill.

5.2.7.1 Results of the Soil Quality Investigation

Fill ranges from 9.5 to 12 feet thick. Peat underlies fill in boring GP-31. Alluvium underlies fill in borings GP-32 and GP-33. Strong naphthalene-like odors were observed in all three borings. A slight sheen was observed on soil and groundwater in boring GP-31. A trace of clinkers were observed in fill material from boring GP-33. Elevated PID readings (greater than 10 ppm) were recorded in all borings. The maximum PID reading is 27.3 ppm (**Table 2**).

5.2.7.1.1 Soil Analytical Results

Five samples were collected from borings GP-31 through GP-33. Samples were analyzed for VOCs, SVOCs, and RCRA 8 metals. Select samples were also analyzed for DRO and GRO. One sample was analyzed for TCLP lead and cyanide (**Table 3**). Soil impacts encountered on the Reilly Site are summarized below.

- BaP equivalents exceed the Tier 2 SRV (3 mg/kg) in samples GP-31-8, GP-33-3, and GP-33-8. BaP equivalent exceedances range from 8.2 to 31.5 mg/kg.
- Sample GP-33-8 was analyzed for TCLP due to total lead greater than 20 times the TCLP hazardous limit in ppm. The resulting TCLP lead concentration is 0.21 mg/L, below the hazardous level (5 mg/L). The sample is below the Tier 1 SRV for total lead.

5.2.7.2 Results of Groundwater Quality Investigation

Groundwater was encountered at 7.5 to 8 feet bgs (roughly 885 to 886 feet msl) during drilling. In boring GP-31 peat below the water table was moist, whereas alluvium was wet in borings GP-32 and GP-33. Groundwater samples were collected from borings GP-32 and GP-33. Samples were analyzed for VOCs and SVOCs. Sample GP-33-8W was also analyzed for DRO, GRO, RCRA 8 metals, and cyanide (**Table 4**). Groundwater impacts encountered on the ReillySite are summarized below.

5.2.7.2.1 Groundwater Analytical Results

- Naphthalene and petroleum VOCs exceed GWVs in sample GP-32-8W.
- Naphthalene at 17.7 µg/L is detected below the GWV (70 µg/L) in boring GP-33-8W.

6.0 Conclusions

Soil encountered on-site includes fill material underlain by swamp deposits including (peat, clay, and alluvium) and sandy outwash. Fill material (generally brown sand with varying silt, gravel, and clay) was relatively debris-free. No demolition waste was encountered. Impacts to soil within the project area are largely naphthalene, benzo(a)pyrene equivalents, and petroleum compounds. Soil with Tier 2 SRV exceedances of naphthalene are encountered on the southwest quadrant of TH 7 and Louisiana Avenue and on Louisiana Avenue between Walker Street and TH 7. NAPL as a sheen or oily product was observed in borings in both these areas. Exceedances were present in fill material and native deposits. Benzo(a)pyrene equivalents exceed the Tier 2 SRVs in this area and additional areas. Benzo(a)pyrene equivalents exceed the Tier 2 SRV north of Walker Street (in the Reilly Site Superfund area) and on the western extreme on TH 7 alignment. PID readings collected during sampling generally correlate with impacts. Petroleum impacts also correlate with impacts of naphthalene. One sample was analyzed for TCLP VOCs, resulting concentrations are non-detect.

Soil impacted with calcium hydroxide was encountered in two locations within the project area. A lens of calcium hydroxide was encountered adjacent to the source site, south of West Lake Street on the east side of Louisiana Avenue. Calcium hydroxide impacted soil was also encountered under the parking lot on the southwest quadrant of the intersection (soil from the source area of the calcium hydroxide impacts were previously spread under the parking lot). Both samples of the material indicate a pH of 12.5 standard units; this is consistent with impacts previously encountered and remediated at the source area.

Depth to shallow groundwater in the project area ranges from approximately 3 to 24 feet below ground surface (bgs). The corresponding elevation of the shallow groundwater ranges from approximately 873 to 890 feet above mean sea level (msl) with an average of 885 feet msl across the site. It is assumed the peat and fine grained swamp deposits are somewhat confining. Water bearing sands were encountered perched above moist peat or below the peat with potentiometric elevations above the peat.

Elevated naphthalene and petroleum in groundwater is similar to impacts of naphthalene and petroleum in soil. Borings along Louisiana Avenue, from the northern to southern project extents, encountered elevated naphthalene and petroleum. NAPL as a sheen or oily product was observed at or below the water- table in these areas. The eastern and western portions of TH 7 do not display similar impacts. However, one boring located just west of Lake Street on TH 7 encountered elevated tetrachloroethene (and other detected chlorinated solvents) which are known to impact groundwater in this area.

7.0 Recommendations

A Response Action Plan (RAP) should be prepared to address impacted soil and water that will be encountered during construction. The RAP should be submitted to MnDOT and the MPCA for approval.

8.0 References

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Wisconsin DNR (b), *Modified GRO; Method for Determining Gasoline Range Organics, PUBL-SW-140,* September 1995

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Glossary for Tables

Abbreviations:

<x - indicates analyte concentration not detected above the laboratory reporting limit (unless otherwise noted)
BaP - Benzo(a)pyrene equivalent
bgs - below ground surface
DRO - Diesel Range Organics
GP - geoprobe boring
GRO - Gasoline Range Organics
GW - groundwater
NA - analysis not performed
NE - standard not established for corresponding analyte
ND - No detections above laboratory reporting limits
PCB - Polychlorinated Biphenols
PID - Photo-ionization Detector
RCRA Metals - Resource Conservation and Recovery Act Metals
SVOC - Semi-Volatile Organic Compounds
VOC - Volatile Organic Compounds
TCLP - Toxicity Characteristic Leaching Procedure

ppm - parts per million
µg/L - micrograms per liter
mg/kg - milligrams per kilogram

Tier 1 SRV - Minnesota Pollution Control Agency Soil Reference Values for Residential properties
Tier 2 SRV- Minnesota Pollution Control Agency Soil Reference Values for Industrial properties
EPA TCLP Hazardous Level - Environmetal Protection Agency hazardous levels for toxicity (40 CFR 261.24 Table 1)
MDH GWV - Minnesota Department of Health Groundwater Values

Exceeds Tier 1 Residential SRV
Exceeds Tier 2 Industrial SRV
*Exceeds EPA Hazardous Levels
Exceeds MDH Groundwater Value

Notes:

Sample ID is listed as: investigation type - identification number - depth
All depths are reported in feet below ground surface (bgs) and listed after the boring identification number
All PID results are reported in ppm calibrated to isobutylene with a 10.6 eV bulb
Sources for BaP Calculations - MDH Memorandum 2001. Based on California EPA Office of Environmental Health Hazard Assessment (OEHHA) 1999 Risk Assessment Guidelines, Part II: Technical Support Document for Describing Available Cancer Potency Factors. http:/www.oehha.org/air/cancer_guide/hsca2.html#download. BaP calculations are completed using 0 for non-detected results.

Soil analytical methods include:

DRO/GRO by Wisconsin Method (mg/kg)
pH by EPA Method 9045 (standard units)
SVOCs by EPA Method 8270 MDH List (mg/kg)
VOCs by EPA Method 8260 MDH List (mg/kg)
RCRA Metals by 6010/7471 (mg/kg)
TCLP VOCs by 8260 (µg/L)
TCLP Metals by 6010 (mg/L)
Cyanide by Method 4500CNE (mg/kg)
PCBs by Method 8082 (mg/kg)
List 1 Pesticides Method 3545 (mg/kg)

Groundwater analytical methods include:

DRO/GRO by Wisconsin Method (ug/L)
VOCs by EPA Method 8260 MDH List (ug/L)
SVOCs by EPA Method 8270 (ug/L)
RCRA Metals by EPA Method 7471A/6010B (ug/L)
Cyanide by Method 4500-CN (ug/L)

Table 1
Boring Rational and Summary of Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

	Boring	Adjacent to Site ID (Phase I ESA 2009)	Rationale for Location	Total Depth (ft bgs)	Elevation (ft msl)	Field Notes	Elevated PID Reaings	Soil Sample Depth(s) (ft bgs)	Soil Analytical Summary	GW Depth (ft bgs)	GW Elevation (ft msl)	Groundwater Analytical Summary
South of West Lake Street	**GP-01**	26	Adjacent to the former Cardinal IG site. Impacts on the site of petroleum, PAHs, VOCs, and calcium hydroxide. The western portion of the site adjacent to the roadway has greater impacts.	16	894	Fill to 10' bgs. Peat from 10' to 14' bgs.	None	3	No exceedances.	7.2	887	DRO = 351 ug/L.
	GP-02	26		16	894	Calcium hydroxide fill from 6 to 8 ' bgs. Fill to 8'bgs. Peat from 8' to 13' bgs.	0-2'/6-8' MAX = 18.2 ppm	7, 10	At 7' bgs in calcium hydroxide - pH equals hazardous level at 12.5.	13	881	DRO = 4,550 ug/L.
	GP-03	24/25	Low levels of Reilly Tar impacts were encountered on the site. There is a potential that calcium hydroxide was spread in this area.	16	893	Organic and naphthalene odor from 13 to 16' bgs. Fill to 9' bgs. Peat from 9' to 11.5' bgs.	None	3, 15	No exceedances; at 3' bgs DRO detected at 11.4 mg/kg.	11	882	Not analyzed.
	GP-04	24	Adjacent to a tank excavation with petroleum impacts, and low levels of Reilly Tar impacts were encountered on the site.	16	892	Strong naphthalene odor, potential free product and sheen on soil and water from 7.5 to 16' bgs. Fill to 6.5' bgs. Peat from 6.5' to 7.5' bgs.	8-16' MAX = 39.8 ppm	3, 8	At 8' bgs naphthalene exceeds Tier 2 SRV; DRO = 8,880 mg/kg.	8.5	884	DRO = 26,400 ug/L; Naphthalene exceeds the GWV.
Southwest Quadrant of TH 7/Louisiana Avenue	**GP-05**	-	Located near the drainage area from Reilly Tar and adjacent to the future east bound off-ramp, city filled former marsh that was impacted from Reilly Tar, passive venting system on site, potential calcium hydroxide in fill.	24	893	Calcium hydroxide lense at 2' bgs. Strong naphthalene odor and free product at 13' bgs. Fill to 10.5' bgs. Peat from 10.5' to 24' bgs.	0-24' MAX = 218 ppm	2, 8, 15	At 2' bgs in calcium hydroxide - pH = hazardous level at 12.5. At 15' bgs naphthalene and petroleum VOCs exceed Tier 2 SRVs; DRO = 13,400 mg/kg.	4	889	Not analyzed.
	GP-06	-		24	891	Strong naphthalene odor from 1' to 7' bgs. Strong naphthalene odor and potential free product from 14' to 24' bgs. Fill to 7' bgs. Peat from 7' to 8' bgs and 11' to 12' bgs.	4-24' MAX = 176 ppm	8, 21	At 8' and 21' bgs naphthalene and PAHs exceed Tier 2 SRVs.	8	883	Not analyzed.
	GP-07	-		24	894	Petroleum odor from 8' to 15' bgs. Fill to 15' bgs. Peat from 15' to 24' bgs.	2-24' MAX = 337 ppm	4, 8, 16	At 16' bgs naphthalene and 2-methylnaphthalene exceed the Tier 2 SRVs. At 4' and 8' bgs DRO = 81.8 and 128 mg/kg respectively.	8.5	886	DRO = 3,000 ug/L; benzene exceeds the GWV.
	GP-21	22		24	896	Organic odor and slight naphthalene odor from 11' to 24' bgs. Fill to 11' bgs.	0-18' MAX = 26.8 ppm	8, 12	No exceedances.	7.5	889	DRO = 140 ug/L.
	GP-22	-		24	894	Slight naphthalene odor from 14 to 20' bgs. Fill to 7.5' bgs. Peat from 21.5' to 24' bgs.	None	4, 16	At 16' bgs naphthalene exceeds the Tier 2 SRV. At 4' bgs DRO = 12.7 mg/kg.	7.5	887	Not analyzed.
TH 7 West Extreme of the Project Area	**GP-14**	3	Site was used as a machine shop, Reilly Tar, and Rodgers Hydraulic Inc. (machine shop). Former site features include a pond on the northeast corner of site connected to northern Reilly Tar site by drainage ditch and a gasoline tank in the southeast corner of site. Previous investigations indicate that VOCs, SVOCs, and PCBs were detected in soil and groundwater on the site. The southwestern portion of the property near the proposed ramp had PCB detections and a gasoline tank.	24	895	Crushed brick debris at 4' bgs. Fill to 8' bgs. Peat from 8' to 15' bgs.	None	4, 8	No exceedances.	8.5	887	No exceedances, DRO not analyzed.
	GP-15	3		16	897	Fill to 16' bgs.	None	4	At 4' bgs BaP exceed the Tier 2 SRV; DRO = 404 mg/kg.	9	888	Not analyzed.
	GP-19	22	Under the new ramp alignment. Formerly occupied by a chemical company. Additional potential impacts beyond impacts associated with Reilly Tar include solvents and weed killers.	16	897	Asphalt debris at 7.5' bgs. Fill to 9.5' bgs.	None	5	At 5' bgs Bap exceeds the Tier 2 SRV.	10.5	887	No exceedances, DRO not analyzed.
	GP-20	22		24	896	Slight organic and naphthalene odor 20 to 24' bgs. Fill to 5.5' bgs. Poor to no recovery 8 to 16 feet bgs.	8-24' MAX = 23.2 ppm	6	At 6' bgs BaP exceeds the Tier 2 SRV.	9	887	No exceedances.
Southeast Quadrant of TH 7/Louisiana Avenue	**GP-16**	27	Located near the former drainage area from Reilly Tar and in the future Lake Street Pond area.	20	888	Fill to 4' bgs. Peat from 4' to 14' bgs.	4-20' MAX = 35.4 ppm	8, 16	No exceedances.	15.5	873	Not analyzed.
	GP-17	27		20	888	Fill to 2.5' bgs. Peat from 2.5' to 18' bgs.	4-20' MAX = 20.1 ppm	4, 8	No exceedances.	11.5	877	Benzene, methylene chloride, and naphthalene exceed GWVs.
	GP-18	27		20	888	Naphthalene odor 17' to 20' bgs. Fill to 4' bgs. Peat from 4' to 11.5' bgs.	None	6	No exceedances.	3	885	DRO = 11,700 ug/L; Not analyzedpthalene, benzene, and ethylbenzene exceed the GWVs.
	GP-23	27	Located near the drainage area from Reilly Tar and adjacent to the intersection and potential cut area of Louisiana Ave.	20	896	Slight naphthalene odor from 14.5' bgs to 19.5' bgs. Fill to 14.5' bgs.	2-20' MAX = 16.3 ppm	4, 10	At 4' bgs DRO = 18.5 mg/kg.	11.1	885	DRO = 250 ug/L.

Table 1
Boring Rational and Summary of Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

	Boring	Adjacent to Site ID (Phase I ESA 2009)	Rationale for Location	Total Depth (ft bgs)	Elevation (ft msl)	Field Notes	Elevated PID Reaings	Soil Sample Depth(s) (ft bgs)	Soil Analytical Summary	GW Depth (ft bgs)	GW Elevation (ft msl)	Groundwater Analytical Summary
TH 7 East of Monitor Street	**GP-24**	28	Adjacent to a former auto repair shop.	24	898	Fill to 13' bgs. Peat from 13' to 20' bgs.	None	8	No exceedances.	12	886	No exceedances, DRO Not analyzed.
	GP-25	29,30	Adjacent to former Nation Lead/Golden Auto site.	24	897	Fill to 14' bgs. Peat from 14.5' to 16' bgs.	None	6	At 6' bgs arsenic exceeds the Tier 2 SRV.	7.5	889	No exceedances.
	GP-26	29,31	Eastern end of project, near former National Lead/Golden Auto site.	30	905	Organic odor and slight naphthalene odor from 24' to 27.5' bgs. Fill to 24' bgs.	0-30' MAX = 17.7 ppm	4	No exceedances.	23	882	DRO = 220 ug/L.
	GP-27	19	Downgradient of a former fueling station with known petroleum impacts. Site to the northwest has impacts from Reilly Tar.	24	907	Fill to 24' bgs. Refusal at 24' bgs.	0-6'/12-20' MAX = 18.0 ppm	8	No exceedances.	Not Encountered	Not Encountered	Not analyzed.
	GP-28	17	Utility work to be completed adjacent to a former fuel station with petroleum impacted to soil and groundwater.	30	906	Fill to 14' bgs. Peat from 14' to 15' bgs.	2-12' MAX = 15.7 ppm	8	At 8' bgs BaP exceeds the Tier 1 SRV; DRO = 19.5 mg/kg.	22	884	PCE exceeds the GWV.
	GP-29	NA	Proposed west bound off-ramp. Reilly Tar impacts.	24	893	Naphthalene odor from 16' to 24' bgs. Fill to 8' bgs.	6-24' MAX = 20.8 ppm	16	No exceedances.	19	874	Not analyzed.
Between TH 7 and Walker Street on Louisiana Avenue	**GP-08**	NA	Suspected impacts from Reilly Tar adjacent to proposed profile change on Louisiana Avenue under TH 7.	24	896	Fill to 13.5' bgs. Peat from 13.5' to 19' bgs.	None	5, 14	No exceedances; at 5' and 14' bgs DRO = 20.3 and <34.9 mg/kg respectively.	9.5	886	No exceedances, DRO Not analyzed.
	GP-09	NA		24	895	Strong naphthalene odor, appears to be free product. Significant sheen on soil and groundwater at 15' bgs. Fill to 8' bgs. Peat from 8' to 15' bgs.	0-24' MAX = 89.7 ppm	5, 10	At 10' bgs naphthalene and BaP exceed Tier 2 SRVs; DRO = . At 5' bgs DRO = 30.5 mg/kg.	9.7	885	DRO = 19,100 ug/L; Not analyzedpthalene, benzene, and ethylbenzene exceed the GWVs.
	GP-10	5/8	Near the former Reilly Tar cooling pond and pumping house. Located adajcent to the Reilly Tar Superfund boundary.	12	892	Fill to 12' bgs.	None	7	No exceedances.	6.4	886	No exceedances, DRO Not analyzed.
	GP-11	2	Former Reilly Tar impacts, remediation occurred at the site. Greatest impacts were noted in the east-northeast portion of the remediated site.	12	892	Fill to 11' bgs. Peat from 11' to 12' bgs.	6-12' MAX = 18.4 ppm	4, 7	At 4' bgs BaP exceeds the Tier 2 SRV. At 7' bgs naphthalene exceeds the Tier 2 SRV.	6.4	886	Not analyzed.
	GP-12	2		16	894	Naphthalene odor from 10.5' to 15' bgs. Strong naphthalene odor and thick oily free product from 15' to 16' bgs. Fill to 10.5' bgs. Peat from 10.5' to 15' bgs.	0-16' MAX = 173 ppm	8, 12	At 12' bgs naphthalene exceeds the Tier 2 SRV; DRO = 26,400 mg/kg.	15	879	DRO = 23,600 ug/L; Naphthalene, benzene, and ethylbenzene exceed the GWVs.
	GP-13	2		16	895	Fill to 10' bgs. Peat from 10' to 16' bgs.	8-14' MAX = 17.8 ppm	10	No exceedances.	Not Encountered	Not Encountered	Not analyzed.
	GP-30	12	Future west bound off-ramp, Reilly Tar impacts.	24	890	Strong naphthalene odors from 12' to 17' bgs. Fill to 10' bgs. Peat from 10' to 12' bgs.	12-24' MAX = 20.0 ppm	10	At 10' bgs BaP exceeds the Tier 2 SRV.	12	878	DRO = 110 ug/L.
Reilly Tar Superfund Site	**GP-31**	1/5	Adjacent to the former Reilly Tar cooling pond. Located within the Reilly Tar Superfund boundary.	12	894	Black staining and naphthalene odors from 7' to 12' bgs. Slight sheen on soil and water from 7' to 9.5' bgs. Fill to 9.5' bgs. Peat from 9.5' to 10' bgs.	0-12' MAX = 27.3 ppm	4,8	At 8' bgs BaP exceeds the Tier 2 SRV; DRO = 233 mg/kg.	Not Encountered	Not Encountered	Not analyzed.
	GP-32	1/5	Area impacted by Reilly Tar and former gasoline tank with known SVOC and petroleum impacts, potential debris in shallow fill. Located within the Reilly Tar Superfund boundary.	20	893	Strong naphthalene odor from 11' to 20' bgs. Fill to 11' bgs.	2-20' 24.7 ppm	8	No exceedances.	7.55	885	Naphthalene, benzene, ethylbenzene, xylene, and 1,2,4-trimethylbenzene exceed GWVs.
	GP-33	1/8		20	893	Trace clinkers from 0.5 to 12' bgs. Black stained soil from 4.5' to 12' bgs. Naphthalene odor from 4.5' to 20' bgs.	0-20' MAX = 26.7 ppm	3, 8	At 3' bgs and 8' bgs BaP exceeds the Tier 2 SRV. At 8' bgs DRO = 146 mg/kg.	7.5	885	No exceedances.

Table 2
Trunk Highway 7 and Louisiana Avenue Interchange
Photoionization Detector (PID) Field Screening Results
Saint Loius Park, Minnesota

Location	South of West Lake Street				Southwest Quadrant of TH 7/Louisiana Avenue					TH 7 West Extreme of the Project Area				Southeast Quadrant of TH 7/Louisiana Avenue			
Depth	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-21	GP-22	GP-14	GP-15	GP-19	GP-20	GP-16	GP-17	GP-18	GP-23
0 to 2	1.9	**14.4**	5.4	3.5	**16.2**	3.9	6.6	**10.9**	6.4	1.9	1.1	5.1	6.1	1.3	4.9	3.6	7.2
2 to 4	3.1	2.0	1.0	4.6	**20.6** ▽	6.6	**11.7**	**23.6**	5.6	2.5	2.1	5.2	7.8	2.4	5.7	3.4 ▽	**10.6**
4 to 6	3.9	4.0	2.8	4.1	**20.5**	**58.9**	**13.9**	**23.5**	3.1	1.9	1.8	5.4	7.2	**15.0**	**17.1**	4.1	9.7
6 to 8	2.1 ▽	**18.2**	2.1	6.4 ▽	**19.3**	**58.9** ▽	**18.0** ▽	**26.8** ▽	2.3 ▽	1.4 ▽	0.7	5.6	**23.2**	**18.5**	**16.2**	2.6	**14.4**
8 to 10	3.2	4.4	3.2	**39.8**	**29.2**	**38.6**	**20.2**	**25.2**	1.9	3.2	1.2 ▽	2.8 ▽	**22.4** ▽	**20.1**	6.8	2.3	**14.6**
10 to 12	4.8	7.2	7.0 ▽	**29.2**	**27.3**	**105**	**31.5**	**25.1**	1.5	2.5	0.9	1.3	NR	**17.0**	**11.1** ▽	3.7	7.8 ▽
12 to 14	5.1	5.6 ▽	5.5	**21.3**	**27.5**	**27.0**	**38.1**	**24.4**	4.0	3.1	0.9	1.6	NR	**18.1**	**18.2**	3.2	**11.2**
14 to 16	7.4	5.0	5.1	**24.7**	**218**	**83.1**	**75.6**	**20.6**	2.7	1.8	0.8	1.1	NR	**16.3** ▽	**13.3**	3.4	**13.6**
16 to 18					**201**	**60.2**	**337**	**13.8**	1.7	1.9			**22.1**	**35.4**	**15.1**	2.7	**16.3**
18 to 20					**190**	**60.8**	**195**	7.9	2.6	2.1			**18.9**	**32.2**	**20.1**	7.3	**12.1**
20 to 22					**113**	**176**	**137**	4.3	1.8	1.8			**22.1**				
22 to 24					**127**	**80.3**	**78.9**	8.2	1.2	2.0			**20.4**				
24 to 26																	
26 to 28																	
28 to 30																	

Location	TH 7 East of Monitor Street						Between TH 7 and Walker Street on Louisiana Avenue							Reilly Superfund Site		
Depth	GP-24	GP-25	GP-26	GP-27	GP-28	GP-29	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-30	GP-31	GP-32	GP-33
0 to 2	3.5	5.4	**17.7**	**12.0**	8.2	2.7	1.3	**11.9**	2.5	1.1	**24.0**	2.3	3.2	**24.9**	7.0	**11.8**
2 to 4	2.9	9.2	**15.3**	**13.1**	**15.7**	3.1	1.2	**11.4**	1.1	1.8	**28.4**	3.2	5.1	**25.7**	**12.8**	**23.9**
4 to 6	4.1	8.4	**15.1**	**18.0**	**12.2**	1.4	2.5	**23.1**	1.5 ▽	6.4 ▽	**26.4**	5.7	6.3	**26.5**	**10.3**	**25.4**
6 to 8	3.8	5.9 ▽	**10.6**	8.7	**12.8**	1.9	4.2	**17.3**	2.7	**16.2**	**30.0**	8.4	6.7	**27.3**	**10.6** ▽	**26.0** ▽
8 to 10	3.2	9.3	**11.8**	6.8	5.3	1.5	3.9 ▽	**21.0** ▽	3.3	**18.4**	**36.0**	**10.8**	5.9	**23.0**	**13.4**	**25.3**
10 to 12	5.2 ▽	6.7	**10.8**	8.8	**10.6**	2.2	4.8	**89.7**	1.0	**11.7**	**173**	**17.8**	8.9 ▽	**16.4**	**24.7**	**26.1**
12 to 14	4.8	**10.1**	8.0	**11.2**	8.0	1.5	4.9	**88.9**			**154**	**12.4**	**11.7**		**20.6**	**26.7**
14 to 16	1.9	9.2	**11.1**	**15.7**	5.7	1.7	3.8	**42.0**			**100** ▽	8.3	**17.0**		**11.1**	**25.2**
16 to 18	3.7	9.0	**10.5**	5.3	7.3	**20.8**	2.1	**43.8**					**16.8**		**15.9**	**20.3**
18 to 20	4.4	6.2	7.9	**12.8**	5.5	7.5 ▽	2.5	**63.0**					**20.0**		**16.4**	**24.2**
20 to 22	2.8	4.0	9.8	6.4	5.8 ▽	**17.0**	6.9	**23.1**					**18.2**			
22 to 24	3.4	4.8	7.5 ▽	8.5	2.1	**12.5**	6.1	**24.6**					**15.7**			
24 to 26			**13.1**		2.2											
26 to 28			**12.2**		1.2											
28 to 30			**12.6**		2.5											

All headspace results are reported in parts per million (ppm) recorded on a 10.6eV bulb MiniRAE PID calibrated to Isobutylene
All depths are reported in feet below ground surface
Bold results are greater than 10 ppm
Empty bag readings are between 4 and 6 ppm
NR - No recovery
▽ Approximate depth of water encountered during or after drilling
Bottom of boring completed above this interval

Table 3
Soil Analytical Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

				South of West Lake Street							Southwest Quadrant of TH 7/Louisiana Ave											
				Fill	*Fill*	*Peat*	*Fill*	*Outwash*	*Fill*	*Outwash*	*Fill*	*Fill*	*Peat*	*Alluvium*	*Outwash*	*Fill*	*Fill/Peat*	*Peat*	*Fill*	*Outwash*	*Fill*	*Outwash*
	20X TCLP Haz. Limit	**Tier 1 Residential SRV**	**Tier 2 Industrial SRV**	**GP-01-3**	**GP-02-7**	**GP-02-10**	**GP-03-3**	**GP-03-15**	**GP-04-3**	**GP-04-8**	**GP-05-2**	**GP-05-8**	**GP-05-15**	**GP-06-8**	**GP-06-21**	**GP-07-4**	**GP-07-8**	**GP-07-16**	**GP-21-8**	**GP-21-12**	**GP-22-4**	**GP-22-16**
Other (mg/kg)																						
Diesel Range Organics	*NE*	*NE*	*NE*	**15.0 u**	*<16.8*	**15.6 u**	**17.7 u**	*<9.1*	*<7.1*	**8880**	*NA*	*NA*	**13400**	*NA*	*NA*	**81.8**	**128**	**29.8**	*NA*	*NA*	**23.7 u**	*<8.1*
Diesel Range Organics with Silica Gel Clean-up	*NE*	*NE*	*NE*	**7.8**	*NA*	*<8.4*	**11.4**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	**12.7**	*NA*
Gasoline Range Organics	*NE*	*NE*	*NE*	*<5.3*	*<10.7*	*<5.8*	*<5.4*	*<5.9*	*<5.5*	**603**	*NA*	*NA*	**2110**	*NA*	*NA*	*<5.9*	*<6.4*	*<69.2*	*NA*	*NA*	*<6.3*	*<5.6*
pH (standard units)																						
pH	**EPA Hazardous Level = 12.5**			*NA*	**12.5***	*NA*	*NA*	*NA*	*NA*	*NA*	**12.5***	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Metals (mg/kg)																						
Arsenic (7440-38-2)	**100**	**9**	**20**	**2.6**	**13.6**	*<0.56*	**4.4**	*<0.54*	**1.8**	**2.2**	*NA*	**1.9**	*<1.5*	**2.2**	**3.9**	**1.2**	**4.3**	**5.5**	**2.6**	**4.6**	**10.6**	**8.3**
Barium (7440-39-3)	**2000**	**1100**	**18000**	**25.0**	**31.7**	**60.6**	**38.7**	**16.1**	**29.7**	**11.4**	*NA*	**29.9**	**56.9**	**30.7**	**57.9**	**32.5**	**46.4**	**42.6**	**22.3**	**18.2**	**76.6**	**67.3**
Cadmium (7440-43-9)	**20**	**25**	**200**	**0.07**	*<0.11*	**0.065**	**0.13**	*<0.054*	*<0.051*	*<0.046*	*NA*	**0.11**	**0.28**	**0.061**	*<0.038*	**0.072**	**0.15**	**0.51**	**0.057**	**0.064**	**0.76**	**0.16**
Chromium (7440-47-3)	**100**	*NE*	*NE*	**5.3**	**1.1**	**15.8**	**10.4**	**6.9**	**7.8**	**10.1**	*NA*	**6.2**	**2.2**	**10**	**44.5**	**10.3**	**11.8**	**3.1**	**9.5**	**4.4**	**13.4**	**9.8**
Lead (7439-92-1)	**100**	**300**	**700**	**7.0**	*<0.64*	**9.3**	**15.1**	**3.9**	**8.4**	**6.3**	*NA*	**19.7**	**10.8**	**14.6**	**13.2**	**11.7**	**34.3**	**93.1**	**5.1**	**2.2**	**7.1**	**4.1**
Mercury (7439-97-6)	**4**	**0.5**	**1.5**	*<0.018*	*<0.042*	*<0.021*	**0.022**	*<0.020*	*<0.020*	*<0.021*	*NA*	*<0.022*	*<0.053*	*<0.017*	*<0.018*	**0.027**	**0.024**	*<0.037*	*<0.02*	*<0.021*	**0.021**	*<0.023*
Selenium (7782-49-2)	**20**	**160**	**1300**	*<0.60*	*<1.6*	**0.85**	*<0.78*	*<0.82*	*<0.76*	*<0.69*	*NA*	*<0.77*	**3.6**	*<0.74*	*<0.57*	*<0.72*	*<0.71*	**3.1**	*<0.57*	*<0.63*	*<0.63*	*<0.76*
Silver (7440-22-4)	**100**	**160**	**1300**	*<0.4*	*<1.1*	*<0.56*	*<0.52*	*<0.54*	*<0.51*	*<0.46*	*NA*	*<0.51*	*<1.5*	*<0.5*	*<0.38*	*<0.48*	*<0.47*	*<1*	*<0.38*	*<0.42*	*<0.42*	*<0.51*
Other (%)																						
Percent moisture	*NE*	*NE*	*NE*	**5.7**	**53.9**	**12.4**	**9.8**	**11.7**	**9.5**	**9.1**	*NA*	**9.7**	**68.6**	**10.8**	**7.1**	**14.9**	**21.8**	**56.5**	**6.8**	**14.6**	**17.3**	**12.4**
Semi-VOCs (mg/kg)																						
1-Methylnaphthalene (90-12-0)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	**742**	*<7.3*	**23.5**	*<0.39*	*<0.42*	**965**	*<0.35*	*<0.39*	*<0.40*	*<18.8*
2-Methylnaphthalene (91-57-6)	*NE*	**100**	**369**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**264**	*NA*	*<0.36*	**1270**	*<7.3*	**44.1**	*<0.39*	*<0.42*	**1820**	*<0.35*	*<0.39*	*<0.40*	**21.1**
Anthracene (120-12-7)	*NE*	**7880**	**45400**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	**12**	**20.2**	*<0.39*	**1.4**	**407**	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Benz(a)anthracene (56-55-3)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	**12.9**	**18.9**	*<0.39*	**0.49**	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Benzo(a)pyrene (50-32-8)	*NE*	**2**	**3**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	***<182***	*NA*	*<0.36*	***<526***	**9.7**	***<17.6***	*<0.39*	**0.45**	***<377***	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Benzo(b)fluoranthene (205-99-2)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	**14.5**	*<17.6*	*<0.39*	**0.64**	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Benzo(g,h,i)perylene (191-24-2)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	*<7.3*	*<17.6*	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Benzo(k)fluoranthene (207-08-9)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	*<7.3*	*<17.6*	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Carbazole (86-74-8)	*NE*	**700**	**1310**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	*<7.3*	*<17.6*	*<0.39*	**0.51**	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Chrysene (218-01-9)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	**16.7**	**18.1**	*<0.39*	**0.9**	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Dibenz(a,h)anthracene (53-70-3)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	*<7.3*	*<17.6*	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Dibenzofuran (132-64-9)	*NE*	**104**	**810**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**212**	*NA*	*<0.36*	*<526*	**7.9**	**35.4**	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Fluoranthene (206-44-0)	*NE*	**1080**	**6800**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**395**	*NA*	*<0.36*	*<526*	**51.8**	**78.8**	*<0.39*	**1.3**	**656**	*<0.35*	*<0.39*	*<0.40*	**41.9**
Fluorene (86-73-7)	*NE*	**850**	**4120**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**254**	*NA*	*<0.36*	*<526*	**12**	**44.4**	*<0.39*	*<0.42*	**554**	*<0.35*	*<0.39*	*<0.40*	**20.1**
Indeno(1,2,3-cd)pyrene (193-39-5)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	*<526*	*<7.3*	*<17.6*	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Naphthalene (91-20-3)	*NE*	**10**	**28**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**1210**	*NA*	*<0.36*	**4040**	**13.4**	**154**	*<0.39*	*<0.42*	**3620**	*<0.35*	*<0.39*	*<0.40*	**88.4**
Phenanthrene (85-01-8)	*NE*	*NE*	*NE*	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**825**	*NA*	*<0.36*	**693**	**33.9**	**151**	*<0.39*	**1.6**	**1510**	*<0.35*	*<0.39*	*<0.40*	**68.5**
Phenol (108-95-2)	*NE*	**1500**	**20203**	*<0.35*	*<0.71*	**0.61**	*<0.36*	*<0.37*	*<0.36*	*<182*	*NA*	*<0.36*	**840**	*<7.3*	*<17.6*	*<0.39*	*<0.42*	*<377*	*<0.35*	*<0.39*	*<0.40*	*<18.8*
Pyrene (129-00-0)	*NE*	**890**	**5800**	*<0.35*	*<0.71*	*<0.38*	*<0.36*	*<0.37*	*<0.36*	**298**	*NA*	*<0.36*	*<526*	**37.3**	**58.7**	*<0.39*	**1.1**	**637**	*<0.35*	*<0.39*	*<0.40*	**31.8**
Benzo(a)pyrene Equivalents	*NE*	**2**	**3**	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*NA*	*0*	*0*	**12.6**	**2.1**	*0*	**0.6**	*0*	*0*	*0*	*0*	*0*
VOCs (mg/kg)																						
1,2,4-Trimethylbenzene (95-63-6)	*NE*	**8**	**25**	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	**6.9**	*NA*	*<0.057*	**50.1**	**1.7**	**2.6**	*<0.058*	*<0.064*	**0.33**	*<0.054*	*<0.059*	*<0.061*	*<0.056*
1,3,5-Trimethylbenzene (108-67-8)	*NE*	**3**	**10**	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	*<5.5*	*NA*	*<0.057*	**24.8**	**0.81**	**1.2**	*<0.058*	*<0.064*	*<0.25*	*<0.054*	*<0.059*	*<0.061*	*<0.056*
Benzene (71-43-2)	**10**	**6**	**10**	*<0.021*	*<0.044*	*<0.023*	*<0.022*	*<0.023*	*<0.023*	*<2.2*	*NA*	*<0.023*	**27.9**	*<0.23*	*<0.21*	*<0.023*	*<0.026*	**7.8**	*<0.021*	*<0.024*	*<0.024*	*<0.023*
Ethylbenzene (100-41-4)	*NE*	**200**	**200**	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	*<5.5*	*NA*	*<0.057*	**38.5**	*<0.56*	**1.5**	*<0.058*	*<0.064*	**0.32**	*<0.054*	*<0.059*	*<0.061*	*<0.056*
Naphthalene (91-20-3)	*NE*	**10**	**28**	*<0.21*	*<0.44*	*<0.23*	*<0.22*	**0.35**	*<0.23*	**1810**	*NA*	*<0.23*	**1890**	**248**	**637**	*<0.23*	**0.26**	*<1.0*	*<0.21*	*<0.24*	*<0.24*	**0.32**
p-Isopropyltoluene (99-87-6)	*NE*	*NE*	*NE*	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	*<5.5*	*NA*	*<0.057*	*<15.5*	*<0.56*	**0.55**	*<0.058*	*<0.064*	*<0.25*	*<0.054*	*<0.059*	*<0.061*	*<0.056*
Tetrachloroethene (127-18-4)	**14**	**72**	**131**	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	*<5.5*	*NA*	*<0.057*	*<15.5*	*<0.56*	*<0.53*	*<0.058*	*<0.064*	*<0.25*	*<0.054*	*<0.059*	*<0.061*	*<0.056*
Toluene (108-88-3)	*NE*	**107**	**305**	*<0.053*	*<0.11*	*<0.056*	*<0.055*	*<0.058*	*<0.057*	*<5.5*	*NA*	*<0.057*	**92.8**	*<0.56*	*<0.53*	*<0.058*	*<0.064*	*<0.25*	*<0.054*	*<0.059*	*<0.061*	*<0.056*
Xylene (Total) (1330-20-7)	*NE*	**45**	**130**	*<0.16*	*<0.33*	*<0.17*	*<0.16*	*<0.18*	*<0.17*	*<16.4*	*NA*	*<0.17*	**150**	*<1.7*	**4.8**	*<0.17*	*<0.19*	**5.7**	*<0.16*	*<0.18*	*<0.18*	*<0.17*
PCBs (mg/kg)																						
All PCBs	**50**	**1.2**	**8**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
TCLP Lead (mg/L)																						
TCLP Lead	**EPA Hazardous Level = 5 mg/L**			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
TCLP VOCs (mg/L)																						
TCLP VOCs	**EPA Hazardous Level = Varies**			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*Non-detect*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Inorganics 4500CNE (mg/kg)																						
Cyanide, Total (57-12-5)	*NE*	**60 (free)**	**5000 (free)**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*<0.21*	*NA*	*NA*	*NA*	*NA*	*NA*
List 1 Pesticides/Herbicides (mg/kg)																						
All List 1 Pesticides/Herbicides	*NE*	*NE*	*NE*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

<x: Indicates analyte concentration not detected above the laboratory reporting limit.
NA: Analysis not performed NE: Standard not established for this analyte
mg/kg - milligrams per kilogram mg/L - milligrams per liter

Exceeds 20 X the TCLP hazardous limit (EPA)*
Exceeds Tier 1 Residential Soil Reference Value (MPCA)
Exceeds Tier 2 Industrial Soil Reference Value (MPCA)

*Result exceeded the calibration verification limit of the probe.
u - Results may be biased low.

Table 3
Soil Analytical Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

				TH 7 West Extreme of the Project Area					Southeast Quadrant of TH 7/Louisiana Avenue							TH 7 East of Monitor Street					
				Fill	*Peat*	*Fill*	*Fill*	*Fill*	*Peat*	*Outwash*	*Peat*	*Peat*	*Peat*	*Fill*	*Fill*	*Fill*	*Fill*	*Fill*	*Fill*	*Fill*	*Outwash*
	20X TCLP Haz. Limit	**Tier 1 Residential SRV**	**Tier 2 Industrial SRV**	**GP-14-4**	**GP-14-8**	**GP-15-4**	**GP-19-5**	**GP-20-6**	**GP-16-8**	**GP-16-16**	**GP-17-4**	**GP-17-8**	**GP-18-6**	**GP-23-4**	**GP-23-10**	**GP-24-8**	**GP-25-6**	**GP-26-4**	**GP-27-8**	**GP-28-8**	**GP-29-16**
Other (mg/kg)																					
Diesel Range Organics	*NE*	*NE*	*NE*	*<9.6*	*NA*	**404**	**35.6**	**34.6**	*NA*	*NA*	*NA*	*NA*	*NA*	**23.6 u**	*<9.7*	*<6.0*	*NA*	*<9.0*	*<8.3*	**19.5**	*<9.0*
Diesel Range Organics with Silica Gel Clean-up	*NE*	*NE*	*NE*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	**18.5**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Gasoline Range Organics	*NE*	*NE*	*NE*	*<6.0*	*NA*	*<5.2*	*<5.5*	*<5.6*	*NA*	*NA*	*NA*	*NA*	*NA*	*<5.5*	*<6.2*	*<5.3*	*NA*	*<5.6*	*<5.0*	*<5.8*	*<5.6*
pH (standard units)																					
pH	**EPA Hazardous Level = 12.5**			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Metals (mg/kg)																					
Arsenic (7440-38-2)	**100**	**9**	**20**	**3.4**	*<0.75*	**3.8**	**3.8**	**2.6**	**5.0**	**3.2**	**4.3**	*NA*	*NA*	**3.9**	**6.6**	**4.1**	**41.4**	**2.8**	**1.4**	**3.0**	**1.9**
Barium (7440-39-3)	**2000**	**1100**	**18000**	**105**	**29.2**	**32.7**	**88.0**	**52.6**	**99.9**	**21.1**	**65.6**	*NA*	*NA*	**78.1**	**108**	**33.3**	**46.4**	**20.6**	**9.5**	**40.0**	**6.9**
Cadmium (7440-43-9)	**20**	**25**	**200**	**0.11**	*<0.075*	**0.20**	**0.29**	**0.092**	**0.27**	**0.18**	**0.50**	*NA*	*NA*	**0.14**	**0.20**	**0.094**	**1.9**	**0.066**	*<0.049*	**0.18**	*<0.043*
Chromium (7440-47-3)	**100**	*NE*	*NE*	**7.9**	**1.6**	**7.1**	**16.8**	**12.7**	**5.6**	**8**	**4.5**	*NA*	*NA*	**12.4**	**11.7**	**14.4**	**10.1**	**5.2**	**4.2**	**9.8**	**5.6**
Lead (7439-92-1)	**100**	**300**	**700**	**16.1**	**1.6**	**24.1**	**90.6**	**15.9**	*<0.85*	**43.6**	**63.6**	*NA*	*NA*	**28.3**	**10.5**	**10.0**	**9.7**	**5.8**	**2.6**	**111**	**2.1**
Mercury (7439-97-6)	**4**	**0.5**	**1.5**	*<0.025*	*<0.035*	*<0.019*	*<0.020*	*<0.022*	*<0.055*	*<0.023*	**0.054**	*NA*	*NA*	**0.024**	*<0.021*	*<0.019*	**0.12**	*<0.022*	*<0.018*	*<0.023*	*<0.022*
Selenium (7782-49-2)	**20**	**160**	**1300**	**1.2**	**1.2**	*<0.69*	**0.80**	**0.75**	*<2.1*	*<0.65*	**2.8**	*NA*	*NA*	**1.5**	*<0.80*	*<0.74*	*<0.73*	*<0.79*	*<0.74*	*<0.8*	*<0.64*
Silver (7440-22-4)	**100**	**160**	**1300**	*<0.61*	*<0.75*	*<0.46*	*<0.4*	*<0.41*	*<1.4*	*<0.44*	*<0.98*	*NA*	*NA*	*<0.55*	*<0.54*	*<0.49*	*<0.48*	*<0.52*	*<0.49*	*<0.54*	*<0.43*
Other (%)																					
Percent moisture	*NE*	*NE*	*NE*	**19.8**	**48.9**	**3.2**	**12.3**	**8.1**	**67.1**	**20.4**	**55.6**	**69.1**	**79.9**	**8.7**	**18.9**	**5.5**	**9.5**	**10.1**	**3**	**11.9**	**13.7**
Semi-VOCs (mg/kg)																					
1-Methylnaphthalene (90-12-0)	*NE*	*NE*	*NE*	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
2-Methylnaphthalene (91-57-6)	*NE*	**100**	**369**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Anthracene (120-12-7)	*NE*	**7880**	**45400**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	**0.42**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	**0.4**	*<0.38*
Benz(a)anthracene (56-55-3)	*NE*	*NE*	*NE*	*<0.41*	*<0.65*	**2.5**	**6.9**	**2.3**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	**0.54**	*<0.41*	*NA*	*<0.36*	**0.68**	*<0.34*	**1.5**	*<0.38*
Benzo(a)pyrene (50-32-8)	*NE*	**2**	**3**	*<0.41*	*<0.65*	**3.8**	**7.3**	**2.4**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	**0.55**	*<0.41*	*NA*	*<0.36*	**0.75**	*<0.34*	**1.7**	*<0.38*
Benzo(b)fluoranthene (205-99-2)	*NE*	*NE*	*NE*	**0.54**	*<0.65*	**4.8**	**10.3**	**3.1**	*<1.0*	*<0.41*	**1.0**	*<1.1*	*<1.6*	**0.79**	*<0.41*	*NA*	*<0.36*	**1.1**	*<0.34*	**2.4**	*<0.38*
Benzo(g,h,i)perylene (191-24-2)	*NE*	*NE*	*NE*	**0.71**	*<0.65*	**3.6**	**4.5**	**1.5**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	**0.41**	*<0.41*	*NA*	*<0.36*	**0.53**	*<0.34*	**1.5**	*<0.38*
Benzo(k)fluoranthene (207-08-9)	*NE*	*NE*	*NE*	*<0.41*	*<0.65*	**1.6**	**3.2**	**1.2**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	**0.44**	*<0.34*	**0.72**	*<0.38*
Carbazole (86-74-8)	*NE*	**700**	**1310**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Chrysene (218-01-9)	*NE*	*NE*	*NE*	**0.44**	*<0.65*	**3.3**	**7.2**	**2.3**	*<1.0*	*<0.41*	**0.75**	*<1.1*	*<1.6*	**0.65**	*<0.41*	*NA*	*<0.36*	**0.83**	*<0.34*	**1.7**	*<0.38*
Dibenz(a,h)anthracene (53-70-3)	*NE*	*NE*	*NE*	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Dibenzofuran (132-64-9)	*NE*	**104**	**810**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Fluoranthene (206-44-0)	*NE*	**1080**	**6800**	**0.53**	*<0.65*	**4.5**	**9.4**	**3.1**	*<1.0*	*<0.41*	**3.3**	*<1.1*	*<1.6*	**1.1**	*<0.41*	*NA*	*<0.36*	**1.3**	*<0.34*	**3.4**	*<0.38*
Fluorene (86-73-7)	*NE*	**850**	**4120**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	**0.85**	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Indeno(1,2,3-cd)pyrene (193-39-5)	*NE*	*NE*	*NE*	**0.42**	*<0.65*	**2.8**	**4.0**	**1.4**	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	**0.47**	*<0.34*	**1.2**	*<0.38*
Naphthalene (91-20-3)	*NE*	**10**	**28**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	**0.55**	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Phenanthrene (85-01-8)	*NE*	*NE*	*NE*	*<0.41*	*<0.65*	**0.72**	*<1.9*	**0.75**	*<1.0*	*<0.41*	**1.9**	*<1.1*	*<1.6*	**0.62**	*<0.41*	*NA*	*<0.36*	**0.52**	*<0.34*	**1.3**	*<0.38*
Phenol (108-95-2)	*NE*	**1500**	**20203**	*<0.41*	*<0.65*	*<0.34*	*<1.9*	*<0.36*	*<1.0*	*<0.41*	*<0.74*	*<1.1*	*<1.6*	*<0.36*	*<0.41*	*NA*	*<0.36*	*<0.37*	*<0.34*	*<0.37*	*<0.38*
Pyrene (129-00-0)	*NE*	**890**	**5800**	**0.49**	*<0.65*	**3.9**	**8.8**	**2.9**	*<1.0*	*<0.41*	**2.2**	*<1.1*	*<1.6*	**1**	*<0.41*	*NA*	*<0.36*	**1.2**	*<0.34*	**2.6**	*<0.38*
Benzo(a)pyrene Equivalents	*NE*	**2**	**3**	**0.1**	*0*	**5.0**	**9.8**	**3.2**	*0*	*0*	**0.1**	*0*	*0*	**0.7**	*0*	*NA*	*0*	**1.0**	*0*	**2.3**	*0*
VOCs (mg/kg)																					
1,2,4-Trimethylbenzene (95-63-6)	*NE*	**8**	**25**	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	**0.11**	**0.14**	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
1,3,5-Trimethylbenzene (108-67-8)	*NE*	**3**	**10**	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	**0.073**	*<0.11*	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
Benzene (71-43-2)	**10**	**6**	**10**	*<0.026*	*<0.077*	*<0.02*	*<0.022*	*<0.022*	*<0.063*	*<0.026*	*<0.045*	*<0.066*	*<0.10*	*<0.022*	*<0.024*	*NA*	*<0.022*	*<0.023*	*<0.02*	*<0.022*	*<0.023*
Ethylbenzene (100-41-4)	*NE*	**200**	**200**	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	**0.098**	*<0.11*	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
Naphthalene (91-20-3)	*NE*	**10**	**28**	*<0.26*	*<0.77*	**0.20**	*<0.22*	*<0.22*	*<0.63*	**3.9**	**2.7**	*<0.66*	*<1.0*	**0.24**	*<0.24*	*NA*	*<0.22*	*<0.23*	*<0.20*	*<0.22*	*<0.23*
p-Isopropyltoluene (99-87-6)	*NE*	*NE*	*NE*	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	*<0.065*	*<0.11*	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
Tetrachloroethene (127-18-4)	**14**	**72**	**131**	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	*<0.065*	*<0.11*	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
Toluene (108-88-3)	*NE*	**107**	**305**	*<0.064*	*<0.19*	*<0.05*	*<0.056*	*<0.055*	*<0.16*	*<0.065*	*<0.11*	*<0.16*	*<0.25*	*<0.055*	*<0.061*	*NA*	*<0.054*	*<0.057*	*<0.05*	*<0.055*	*<0.058*
Xylene (Total) (1330-20-7)	*NE*	**45**	**130**	*<0.19*	*<0.58*	*<0.15*	*<0.17*	*<0.16*	*<0.48*	*<0.19*	*<0.34*	*<0.49*	*<0.76*	*<0.17*	*<0.18*	*NA*	*<0.16*	*<0.17*	*<0.15*	*<0.17*	*<0.17*
PCBs (mg/kg)																					
All PCBs	**50**	**1.2**	**8**	*<0.041*	*<0.065*	*<0.034*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*<0.036*	*NA*	*NA*	*<0.037*
TCLP Lead (mg/L)																					
TCLP Lead	**EPA Hazardous Level = 5 mg/L**			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*<0.015*	*NA*
TCLP VOCs (mg/L)																					
TCLP VOCs	**EPA Hazardous Level = Varies**			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Inorganics 4500CNE (mg/kg)																					
Cyanide, Total (57-12-5)	*NE*	**60 (free)**	**5000 (free)**	*NA*	*NA*	*NA*	*NA*	*NA*	**0.49**	*<0.18*	**6.4**	*NA*	*NA*	*<0.16*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*<0.19*
List 1 Pesticides/Herbicides (mg/kg)																					
All List 1 Pesticides/Herbicides	*NE*	*NE*	*NE*	*NA*	*NA*	*NA*	*NA*	*Non-detect*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

<x: Indicates analyte concentration not detected above the laboratory reporting limit.
NA: Analysis not performed NE: Standard not established for this analyte
mg/kg - milligrams per kilogram mg/L - milligrams per liter

Exceeds 20 X the TCLP hazardous limit (EPA)*
Exceeds Tier 1 Residential Soil Reference Value (MPCA)
Exceeds Tier 2 Industrial Soil Reference Value (MPCA)

*Result exceeded the calibration verification limit of the probe.
u - Results may be biased low.

Table 3
Soil Analytical Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

				Between TH 7 and Walker Street on Louisiana Avenue										Reilly Superfund Site				
				Fill	Peat	Fill	Peat	Fill	Fill	Fill	Fill	Peat	Peat	Peat	Fill	Fill	Fill	Fill w/Clinkers	Fill
	20X TCLP Haz. Limit	Tier 1 Residential SRV	Tier 2 Industrial SRV	GP-08-5	GP-08-14	GP-09-5	GP-09-10	GP-10-7	GP-11-4	GP-11-7	GP-12-8	GP-12-12	GP-13-10	GP-30-10	GP-31-4	GP-31-8	GP-32-8	GP-33-3	GP-33-8
Other (mg/kg)																			
Diesel Range Organics	NE	NE	NE	27.8 u	46.7 u	41.6 u	7580	NA	NA	NA	NA	26400	NA	<16.2	NA	233	<9.3	NA	146
Diesel Range Organics with Silica Gel Clean-up	NE	NE	NE	20.3	<34.9	30.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NE	<5.2	<22.7	<5.2	342	NA	NA	NA	NA	1210	NA	<11.2	NA	NA	<5.7	NA	<6.0
pH (standard units)																			
pH	EPA Hazardous Level = 12.5			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)																			
Arsenic (7440-38-2)	100	9	20	2.6	<2.1	2.9	1.6	<0.58	2.7	2.7	3.3	12.4	2.8	<1.1	1.8	5.2	7.0	3.9	4.9
Barium (7440-39-3)	2000	1100	18000	31.9	94.9	29.2	14.3	64.7	40.2	27.2	142	189	35.6	43.9	23.3	57.3	17.5	50.7	41.7
Cadmium (7440-43-9)	20	25	200	0.058	<0.21	0.065	<0.046	0.14	0.17	0.33	0.26	0.52	0.18	0.19	0.057	0.31	0.084	0.29	0.71
Chromium (7440-47-3)	100	NE	NE	6.4	<2.1	6.8	5.8	12.5	6.8	6.7	14.3	38.4	7.0	10.2	11.4	4.3	10.1	10.5	10.1
Lead (7439-92-1)	100	300	700	5.8	26.3	15.3	4.6	10.3	35.5	63.1	103	175	62.6	11.5	12.4	16.3	10.1	64.2	134
Mercury (7439-97-6)	4	0.5	1.5	<0.021	<0.071	0.021	<0.022	<0.023	0.034	0.022	0.039	<0.064	<0.021	<0.041	<0.019	0.096	<0.019	0.058	0.079
Selenium (7782-49-2)	20	160	1300	<0.75	<3.2	<0.7	<0.7	<0.87	<0.58	0.68	1.3	<2.0	<0.6	2.1	0.97	3.7	<0.68	<0.73	1.9
Silver (7440-22-4)	100	160	1300	<0.5	<2.1	<0.47	<0.46	<0.58	<0.38	<0.41	<0.49	<1.3	<0.4	<1.1	<0.43	<0.76	<0.45	<0.49	<0.53
Other (%)																			
Percent moisture	NE	NE	NE	4.3	76.7	6.6	15	20	9.4	8.2	19.5	69.5	15.7	53.9	5.5	36.8	11.4	5.8	13.3
Semi-VOCs (mg/kg)																			
1-Methylnaphthalene (90-12-0)	NE	NE	NE	<0.34	<1.4	<0.35	<96.5	<0.41	<0.36	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
2-Methylnaphthalene (91-57-6)	NE	100	369	<0.34	<1.4	<0.35	<96.5	<0.41	0.4	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Anthracene (120-12-7)	NE	7880	45400	<0.34	<1.4	0.65	<96.5	<0.41	2.9	0.68	<0.41	<1.1	<0.39	<0.71	<0.35	5.6	<0.37	11.4	7.2
Benz(a)anthracene (56-55-3)	NE	NE	NE	<0.34	<1.4	1.5	117	<0.41	4.8	1.6	<0.41	<1.1	<0.39	2.5	<0.35	5.4	<0.37	17	19.6
Benzo(a)pyrene (50-32-8)	NE	2	3	<0.34	<1.4	1.4	<96.5	<0.41	5.7	2.0	<0.41	<1.1	<0.39	2.6	<0.35	6.2	<0.37	16.3	22.8
Benzo(b)fluoranthene (205-99-2)	NE	NE	NE	<0.34	<1.4	1.8	124	<0.41	6.8	2.6	0.45	<1.1	<0.39	3.5	<0.35	8.4	<0.37	22.8	34.4
Benzo(g,h,i)perylene (191-24-2)	NE	NE	NE	<0.34	<1.4	0.84	<96.5	<0.41	3.9	1.7	<0.41	<1.1	<0.39	2.0	<0.35	4.1	<0.37	12.8	26.8
Benzo(k)fluoranthene (207-08-9)	NE	NE	NE	<0.34	<1.4	0.63	<96.5	<0.41	2.4	0.92	<0.41	<1.1	<0.39	1.2	<0.35	2.7	<0.37	8.0	12.2
Carbazole (86-74-8)	NE	700	1310	<0.34	<1.4	<0.35	<96.5	<0.41	0.88	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Chrysene (218-01-9)	NE	NE	NE	<0.34	<1.4	1.9	132	<0.41	9.0	2.0	<0.41	<1.1	<0.39	2.7	<0.35	7.3	<0.37	19.4	23.8
Dibenz(a,h)anthracene (53-70-3)	NE	NE	NE	<0.34	<1.4	<0.35	<96.5	<0.41	1.1	0.42	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Dibenzofuran (132-64-9)	NE	104	810	<0.34	<1.4	<0.35	<96.5	<0.41	<0.36	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Fluoranthene (206-44-0)	NE	1080	6800	<0.34	<1.4	2.7	471	<0.41	7.2	3.1	0.66	<1.1	<0.39	4.6	<0.35	13.5	<0.37	53.2	39.5
Fluorene (86-73-7)	NE	850	4120	<0.34	<1.4	0.44	<96.5	<0.41	0.5	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Indeno(1,2,3-cd)pyrene (193-39-5)	NE	NE	NE	<0.34	<1.4	0.71	<96.5	<0.41	2.9	1.3	<0.41	<1.1	<0.39	1.6	<0.35	3.2	<0.37	10.5	18.7
Naphthalene (91-20-3)	NE	10	28	<0.34	<1.4	0.46	301	<0.41	0.58	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Phenanthrene (85-01-8)	NE	NE	NE	<0.34	<1.4	1.9	252	<0.41	4.2	1.8	<0.41	<1.1	<0.39	2.5	<0.35	11.3	<0.37	50.8	14.4
Phenol (108-95-2)	NE	1500	20203	<0.34	<1.4	<0.35	<96.5	<0.41	<0.36	<0.36	<0.41	<1.1	<0.39	<0.71	<0.35	<2.6	<0.37	<7.0	<3.8
Pyrene (129-00-0)	NE	890	5800	<0.34	<1.4	2.6	280	<0.41	9.0	2.7	0.49	<1.1	<0.39	4.3	<0.35	13.4	<0.37	40.9	31.2
Benzo(a)pyrene Equivalents	NE	2	3	0	0	1.9	25.4	0	8.1	2.9	0	0	0	3.5	0	8.2	0	22.3	31.5
VOCs (mg/kg)																			
1,2,4-Trimethylbenzene (95-63-6)	NE	8	25	<0.052	<0.22	<0.054	8.9	<0.063	<0.055	1.1	<0.063	5.4	<0.057	<0.11	<0.053	<0.077	<0.058	<0.053	<0.059
1,3,5-Trimethylbenzene (108-67-8)	NE	3	10	<0.052	<0.22	<0.054	<6.2	<0.063	<0.055	0.63	<0.063	<3.3	<0.057	<0.11	<0.053	<0.077	<0.058	<0.053	<0.059
Benzene (71-43-2)	10	6	10	<0.021	<0.088	<0.022	<2.5	<0.025	<0.022	0.64	<0.025	<1.3	<0.023	<0.044	<0.021	0.062	<0.023	<0.021	<0.024
Ethylbenzene (100-41-4)	NE	200	200	<0.052	<0.22	<0.054	<6.2	<0.063	<0.055	0.63	<0.063	<3.3	<0.057	<0.11	<0.053	<0.077	<0.058	<0.053	<0.059
Naphthalene (91-20-3)	NE	10	28	<0.21	<0.88	1.2	673	<0.25	0.55	48.3	<0.25	1900	<0.23	<0.44	<0.21	0.82	<0.23	0.31	0.69
p-Isopropyltoluene (99-87-6)	NE	NE	NE	<0.052	<0.22	<0.054	<6.2	<0.063	<0.055	<0.54	<0.063	<3.3	<0.057	<0.11	<0.053	<0.077	<0.058	<0.053	<0.059
Tetrachloroethene (127-18-4)	14	72	131	<0.052	<0.22	<0.054	<6.2	<0.063	<0.055	<0.54	<0.063	<3.3	<0.057	<0.11	<0.053	<0.077	<0.058	<0.053	<0.059
Toluene (108-88-3)	NE	107	305	<0.052	<0.22	<0.054	<6.2	<0.063	<0.055	1.3	<0.063	<3.3	<0.057	<0.11	<0.053	0.17	<0.058	<0.053	0.069
Xylene (Total) (1330-20-7)	NE	45	130	<0.16	<0.66	<0.16	<18.5	<0.19	<0.17	<1.6	<0.19	<10	<0.17	<0.33	<0.16	<0.23	<0.17	<0.16	<0.18
PCBs (mg/kg)																			
All PCBs	50	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA	<1.1	NA	NA	NA	NA	NA	NA	NA
TCLP Lead (mg/L)																			
TCLP Lead	EPA Hazardous Level = 5 mg/L			NA	NA	NA	NA	NA	NA	NA	NA	<0.015	NA	NA	NA	NA	NA	NA	0.21
TCLP VOCs (mg/L)																			
TCLP VOCs	EPA Hazardous Level = Varies			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics 4500CNE (mg/kg)																			
Cyanide, Total (57-12-5)	NE	60 (free)	5000 (free)	0.19	NA	NA	<0.19	NA	NA	NA	NA	NA	NA	<0.32	NA	NA	<0.16	NA	0.36
List 1 Pesticides/Herbicides (mg/kg)																			
All List 1 Pesticides/Herbicides	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

<x: Indicates analyte concentration not detected above the laboratory reporting limit.
NA: Analysis not performed NE: Standard not established for this analyte
mg/kg - milligrams per kilogram mg/L - milligrams per liter

Exceeds 20 X the TCLP hazardous limit (EPA)*
Exceeds Tier 1 Residential Soil Reference Value (MPCA)
Exceeds Tier 2 Industrial Soil Reference Value (MPCA)

*Result exceeded the calibration verification limit of the probe.
u - Results may be biased low.

Table 4
Groundwater Analytical Results
Trunk Highway 7 and Louisiana Avenue Interchange
Saint Louis Park, Minnesota

	GW Elevation (ft msl)	South of West Lake Street			Southwest Quadrant of TH 7/Louisiana Ave		TH 7 West Extreme of the Project Area			Southeast Quadrant of TH 7/Louisiana Avenue			TH 7 East of Monitor Street				Between TH 7 and Walker Street on Louisiana Avenue					Reilly Tar Superfund Site	
		887	881	884	886	889	887	887	887	887	885	885	886	889	882	884	886	885	886	879	878	885	885
	MDH Groundwater Value	GP-01-8W	GP-02-10W	GP-04-8.5W	GP-07-8.5W	GP-21-8W	GP-14-8.5W	GP-19-11W	GP-20-6W	GP-17-20W	GP-18-3W	GP-23-11W	GP-24-13W	GP-25-8W	GP-26-23W	GP-28-22W	GP-08-9.5W	GP-09-9.5W	GP-10-6.5W	GP-12-15W	GP-30-19W	GP-32-8W	GP-33-8W
Other (ug/l)																							
Diesel Range Organics	NE	351	4550	26400	3000	140	<110	NA	<120	NA	11700	250	NA	<110	220	<110	NA	19100	NA	23600	110	NA	<110
Gasoline Range Organics	NE	<100	<100	6910	187	<100	<100	NA	<100	NA	4230	<100	NA	<100	<100	<100	NA	6260	NA	6820	<100	NA	<100
Metals (ug/l)																							
Arsenic (7440-38-2)	NE	<10.0	<10.0	<10.0	<10.0	NA	NA	NA	<10.0	NA	<10.0	84.8	NA	<10.0	<10.0	<10.0	NA	<10.0	NA	<10.0	<10.0	NA	<10.0
Barium (7440-39-3)	2000	654	156	247	41.1	NA	NA	NA	270	NA	219	1040	NA	31.4	246	119	NA	86.5	NA	114	238	NA	220
Lead (7439-92-1)	NE	<3.0	<3.0	<3.0	5.2	NA	NA	NA	<3.0	NA	<3.0	<3.0	NA	<3.0	<3.0	<3.0	NA	<3.0	NA	<3.0	<3.0	NA	<3.0
Semi-VOCs (ug/l)																							
1-Methylnaphthalene (90-12-0)	NE	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	18.1	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	537	<10.9
2,4-Dimethylphenol (105-67-9)	100	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	52.4	<10.9
2-Methylnaphthalene (91-57-6)	NE	<54.3	<549	1220	<114	<10.8	<10.1	<11.0	<10.8	13	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	275	<10.9
Acenaphthene (83-32-9)	400	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	24.5	<11.0	<11.0	<1090	<11.0	<2750	35.4	341	<10.9
Carbazole (86-74-8)	NE	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	25.8	<11.0	<11.0	<1090	<11.0	<2750	20.1	46	<10.9
Dibenzofuran (132-64-9)	NE	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	129	<10.9
Fluorene (86-73-7)	300	<54.3	<549	<1160	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	38.8	<10.9
Naphthalene (91-20-3)	70	<54.3	<549	14200	279	<10.8	<10.1	<11.0	<10.8	174	5980	<10.8	<10.9	<10.9	<10.6	<11.0	20.3	9530	<11.0	16100	<11.0	8770	<10.9
Phenanthrene (85-01-8)	NE	<54.3	<549	1790	<114	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	4720	<11.0	69.7	<10.9
Phenol (108-95-2)	4000	542	2830	<1160	916	<10.8	<10.1	<11.0	<10.8	<11.0	<562	<10.8	<10.9	<10.9	<10.6	<11.0	<11.0	<1090	<11.0	<2750	<11.0	<10.6	<10.9
VOCs (ug/l)																							
1,2,4-Trimethylbenzene (95-63-6)	100	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	7.5	44.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	172	<1.0
1,3,5-Trimethylbenzene (108-67-8)	100	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	2.2	13.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	58.8	<1.0
2-Butanone (MEK) (78-93-3)	4000	45.0	<4.0	<400	198	<4.0	<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<200	<4.0	<200	<4.0	<4.0	<4.0
Acetone (67-64-1)	4000	413	<25.0	<2500	248	<25.0	<25.0	<25.0	<25.0	<25.0	<250	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<1250	<25.0	<1250	<25.0	<25.0	<25.0
Benzene (71-43-2)	2	1.0	<1.0	<100	14.3	<1.0	<1.0	<1.0	<1.0	20.9	153	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	111	<1.0	94.4	1.2	99.3	<1.0
cis-1,2-Dichloroethene (156-59-2)	50	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<50	<1.0	<50	<1.0	<1.0	<1.0
Dichlorodifluoromethane (75-71-8)	700	159	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	3.0	1.8	<1.0	<50	<1.0	<50	1.7	<1.0	<1.0
Diethyl Ether (60-29-7)	200	<4.0	<4.0	<400	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<200	<4.0	<200	<4.0	<4.0	<4.0
Ethylbenzene (100-41-4)	50	<1.0	1.2	<100	<2.0	<1.0	<1.0	<1.0	<1.0	18.3	75.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	67.5	<1.0	64.5	<1.0	169	<1.0
Isopropylbenzene (98-82-8)	300	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	1.3	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	24.1	<1.0
m&p-Xylene	NE	<2.0	<2.0	<200	<4.0	<2.0	<2.0	<2.0	<2.0	20.9	138	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	116	<2.0	<100	<2.0	209	<2.0
Methylene chloride (75-09-2)	5	<4.0	<4.0	<400	<8.0	<4.0	<4.0	<4.0	<4.0	9.9	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<200	<4.0	<200	<4.0	<4.0	<4.0
Naphthalene (91-20-3)	70	<4.0	4.9	11700	120	4.2	<4.0	<4.0	<4.0	306	8380	<4.0	<4.0	<4.0	<4.0	<4.0	34.1	9030	<4.0	10400	<4.0	8700	17.7
n-Propylbenzene (103-65-1)	NE	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	8.1	<1.0
o-Xylene (95-47-6)	NE	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	6.8	73.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	59.3	<1.0	<50	<1.0	121	<1.0
p-Isopropyltoluene (99-87-6)	NE	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	5.1	<1.0
Tetrachloroethene (127-18-4)	5	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	9.0	<1.0	<50	<1.0	<50	<1.0	<1.0	<1.0
Tetrahydrofuran (109-99-9)	NE	77.7	<10	<1000	<20	<10	<10	<10	<10	<10	<100	<10	<10	<10	<10	<10	<10	<500	<10	<500	<10	<10	<10
Toluene (108-88-3)	200	<1.0	1.6	<100	3.4	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<50	<1.0	15.3	<1.0
Trichloroethene (79-01-6)	5	<1.0	<1.0	<100	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<50	<1.0	<50	<1.0	<1.0	<1.0
Xylene (Total) (1330-20-7)	300	<3.0	<3.0	<300	<6.0	<3.0	<3.0	<3.0	<3.0	27.8	212	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	176	<3.0	<150	<3.0	330	<3.0
Inorganics (ug/l)																							
Cyanide	100	NA	NA	NA	17.7	NA	NA	NA	NA	NA	NA	<10.0	NA	NA	NA	NA	NA	<10.0	NA	NA	NA	NA	<10.0

µg/L - micrograms per liter
<x: Indicates analyte concentration not detected above the laboratory reporting limit.
NA: Analysis not performed.
NE: Standard not established for this analyte.

Exceeds the MDH Groundwater Value

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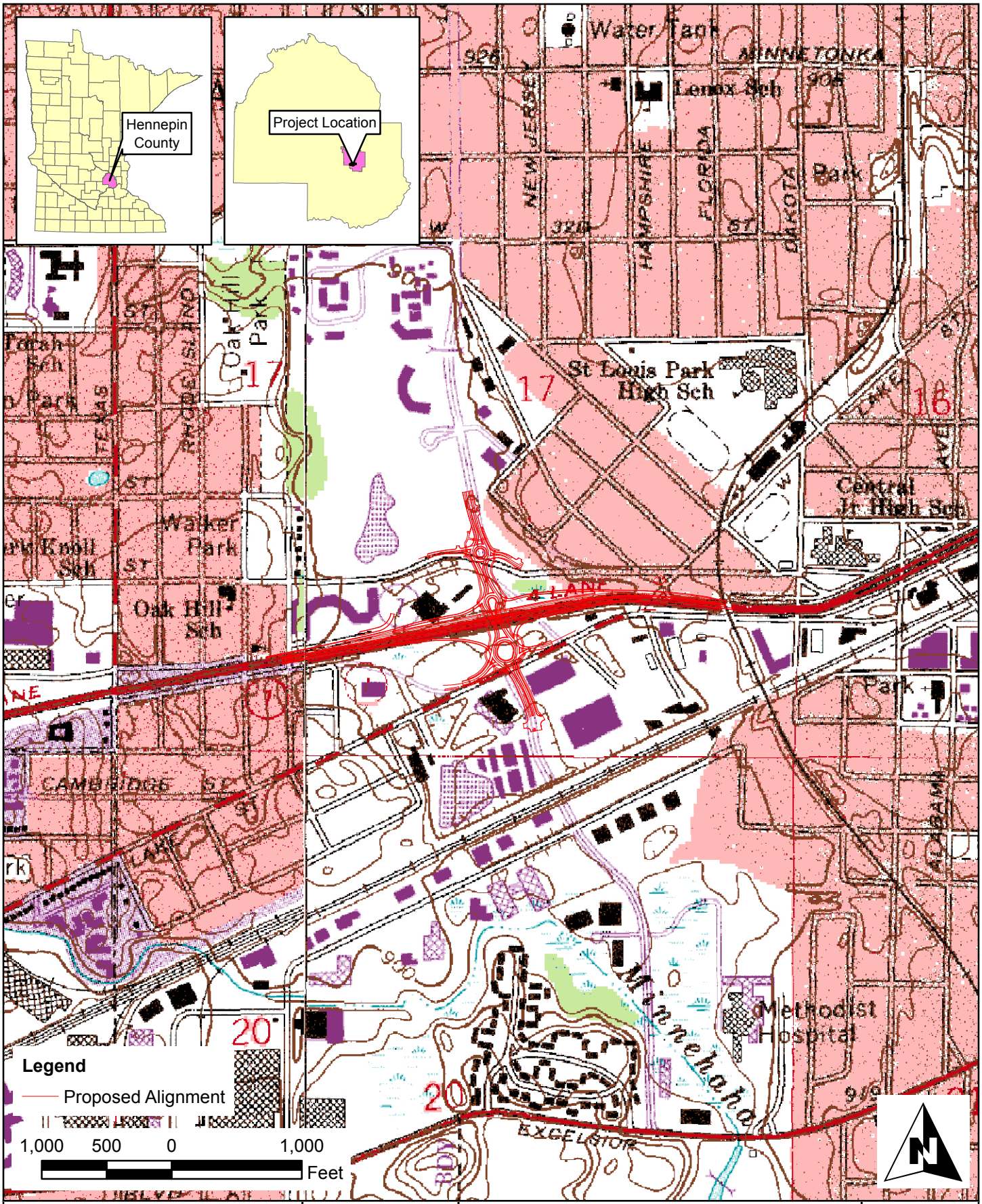

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SEH

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www.sehinc.com

Project: STLOU 106311
Print Date: 10/26/2011

Map by: srh
Projection: NAD 83, UTM zone 15
Source: USGS, Mn/DOT, SEH

Project Location

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION

Saint Louis Park, Minnesota

Figure 1

This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources listed on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigational, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.

Legend

- Boring Locations
- Municipal Boundary
- Project Area
- Proposed Alignment

0 150 300 600 Feet

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Project: STLOU 106311
Print Date: 10/26/2011

Map by: srh
Projection: NAD 83, Hennepin County Feet
Source: Aerials Express, Mn/DOT, SEH

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION

Saint Louis Park, Minnesota

Site Plan

Figure 2

Legend

- Boring Locations
- Free Product or Sheen Observed in Soil
- Proposed Alignment
- Parcels

All results are reported in mg/kg
Benzo(a)pyrene Equivalents are calculated using zero for non-detected analytes.

Depth - Sample depth in feet below ground surface
DRO - Diesel Range Organics
*DRO - DRO with silica gel clean-up
BaP - Benzo(a)pyrene Equivalents
Naph - Naphthalene
nd - not detected above laboratory reporting limits
na - not analyzed

REGULATORY LIMITS

	Tier 1 SRV	Tier 2 SRV
BaP	2 mg/kg	3 mg/kg
Naphthalene	10 mg/kg	28 mg/kg

Results in bold exceed the Tier 1 Residential SRV
Results in bold/underline exceed the Tier 2 Industrial SRV
DRO results greater than 10 mg/kg are **bold.**
DRO results greater than 200 mg/kg are **bold and underlined.**
Greater naphthalene (by method 8260 or 8270) value is reported.

0 125 250 500 Feet

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Print Date: 10/28/2011

Map by: srh
Projection: NAD 83, Hennepin County Feet
Source: Mn/DNR, Mn/GEO, Mn/DOT, and SEH

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION

Saint Louis Park, Minnesota

DRO, BaP, and Naphthalene Soil Values

Figure 3

Legend

- Boring Locations
- Free Product or Sheen Observed at or Below Water Table
- Proposed Alignment
- Parcels

Depth - Approximate groundwater sample depth in feet below ground surface
DRO - Diesel Range Organics
Naph - Naphthalene
Benz - Benzene
nd - not detected above laboratory reporting limits
na - not analyzed

REGULATORY LIMITS

	MDH GWV
Naphthalene	300 µg/L
Benzene	2 µg/L

All results are reported in µg/L.
Results in bold exceed GWV.

DRO concentrations greater than 200 µg/L are **bold.**
Greater naphthalene (by method 8260 or 8270) value is reported.

0 125 250 500 Feet

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Project: STLOU 106311
Print Date: 10/28/2011

Map by: srh
Projection: NAD 83, Hennepin County Feet
Source: Mn/DNR, Mn/GEO, Mn/DOT, and SEH

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION

Saint Louis Park, Minnesota

DRO, Naphthalene, and Benzene Groundwater Values

Figure 4

This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources listed on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigational, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.

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Print Date: 12/21/2011

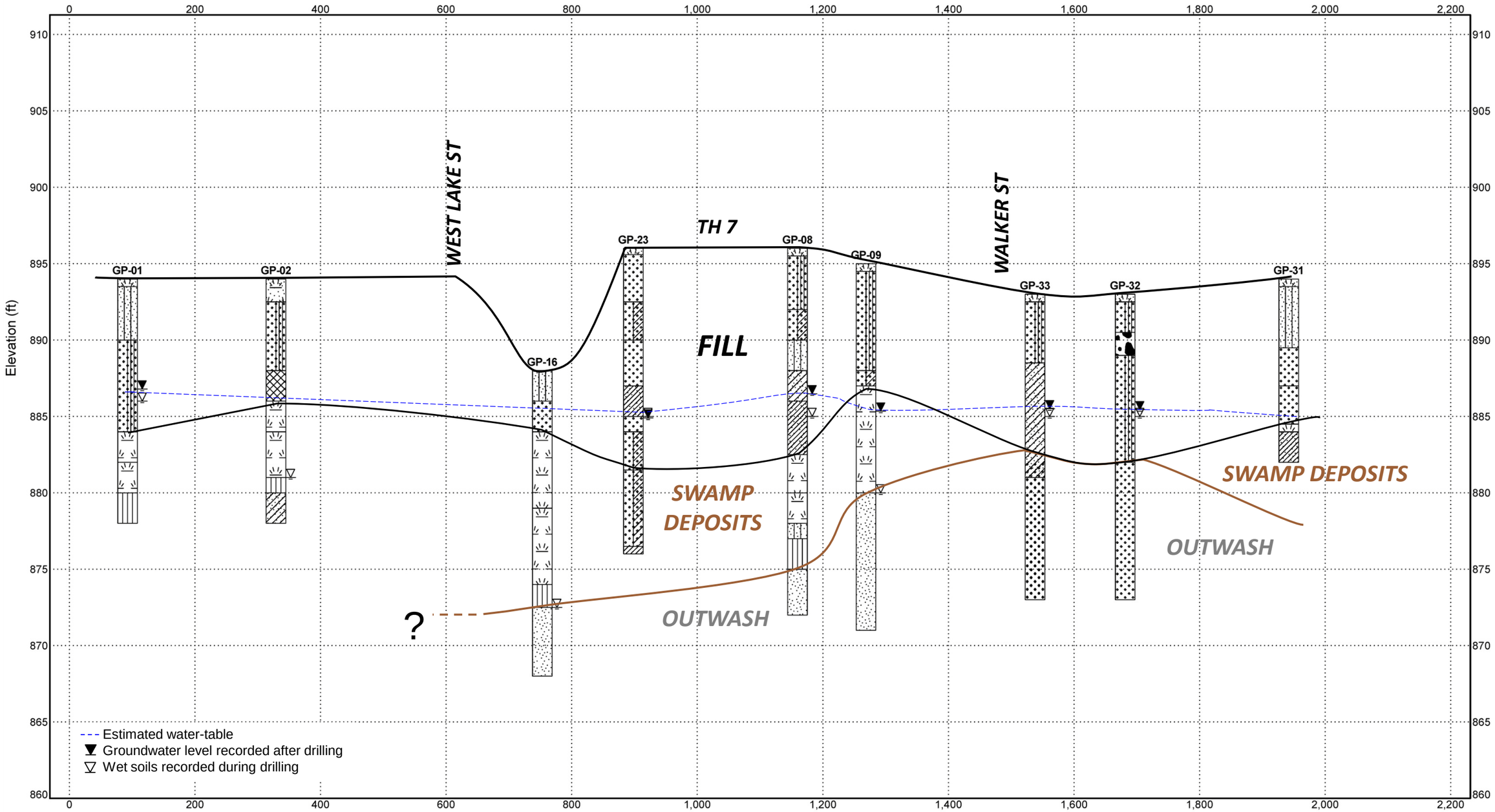
Map by: srh
Projection: NAD 83, Hennepin County Feet
Source: Mn/DNR, Mn/GEO, Mn/DOT, and SEH

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION

Saint Louis Park, Minnesota

Site Plan with Subsurface Diagram Alignments

Figure 5



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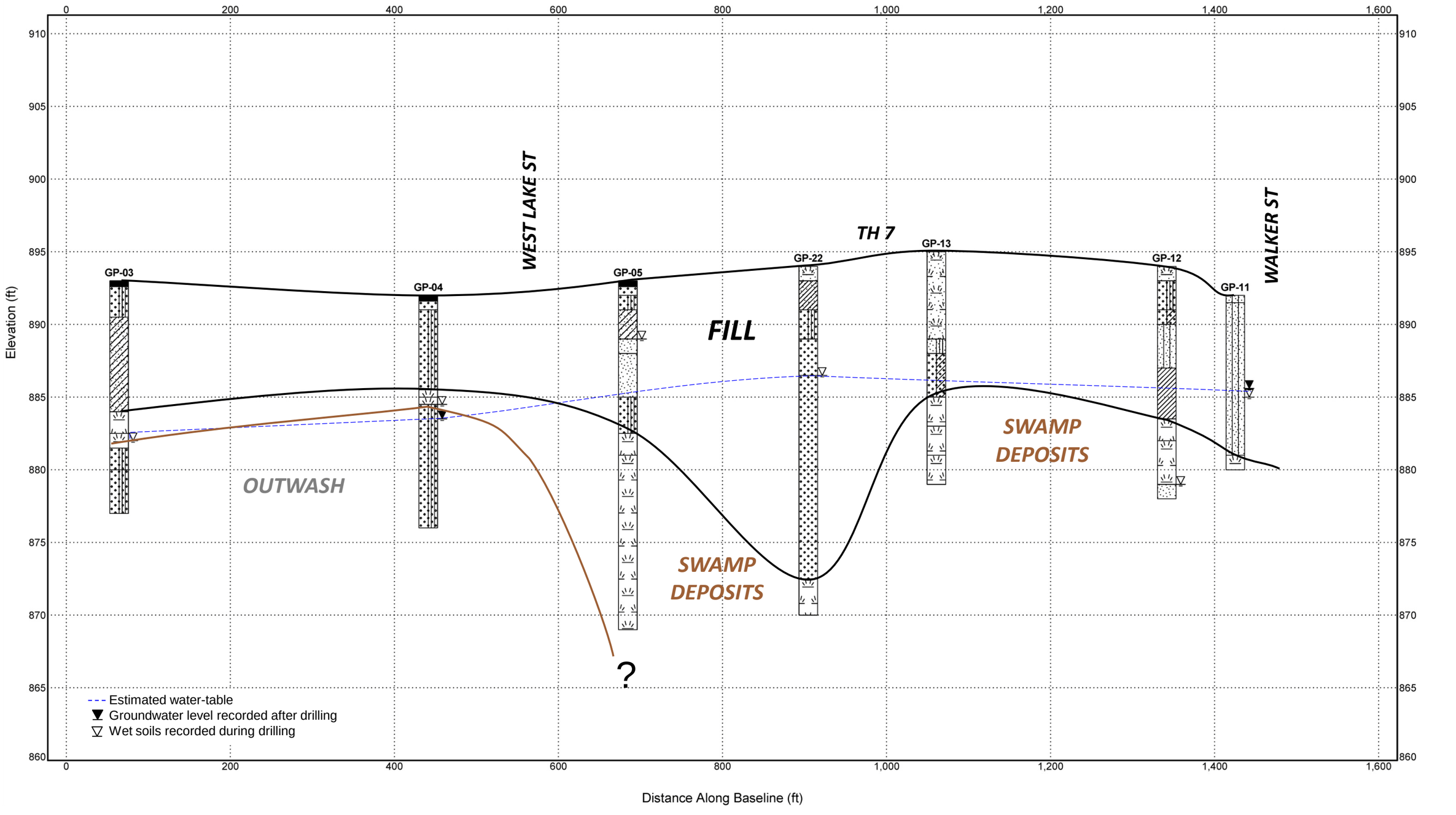
Project:
STLOU 106311
Date: 10/24/2011

Source:
SEH Environmental
Boring Logs

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION
Saint Louis Park, Minnesota

Subsurface Diagram South to North

Figure 6



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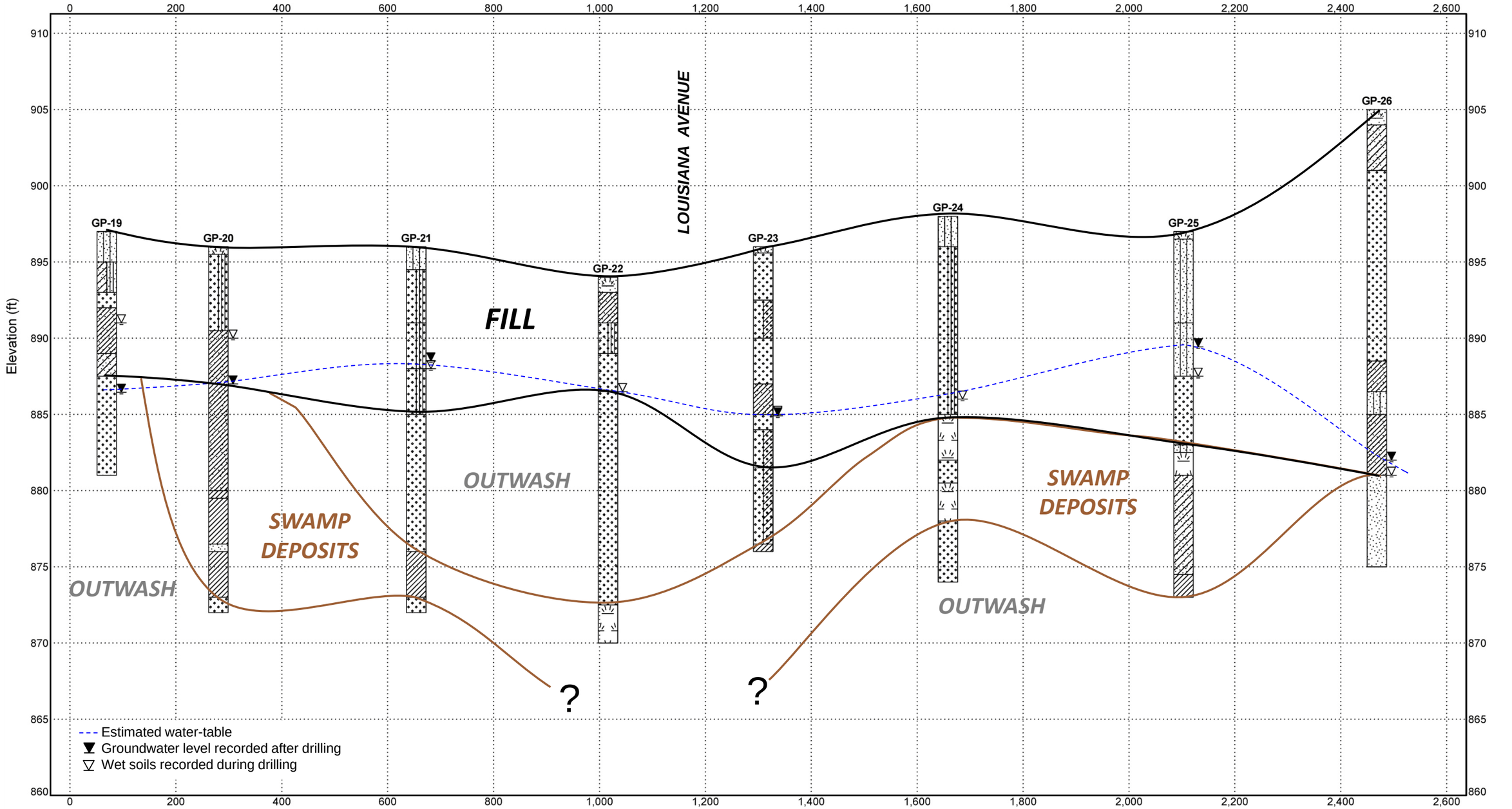
STLOU 106311
Date: 10/24/2011

Source:
SEH Environmental
Boring Logs

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION
Saint Louis Park, Minnesota

Subsurface Diagram South to North 2

Figure 7



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Project:
STLOU 106311
Date: 10/24/2011

Source:
SEH Environmental
Boring Logs

TRUNK HIGHWAY 7 AND LOUISIANA AVENUE INTERCHANGE PHASE II INVESTIGATION
Saint Louis Park, Minnesota

Subsurface Diagram West to East

Figure 8

Appendix A

Boring Logs

SEH Inc.
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BORING NUMBER GP-01

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 940 **COMPLETED** 8/8/11 1030 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 886.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 7.2 ft / Elev 886.8 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained silty SAND, with roots (Topsoil)	893.5	
	1	60	SM		Loose, moist, dark brown, well graded, fine to medium grained silty SAND (Fill)		1.9
					4.0	890.0	3.1
5	2	71	SW-SM		Loose, wet, brown, fine to medium grained, SAND with silt (Fill)		3.9
							2.1
	3	81					3.2
10					10.0	884.0	
			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)		4.8
					12.0	882.0	
	4	60	PT		Loose, moist, black, sapric PEAT (Swamp deposit)		5.1
					14.0	880.0	
15			ML		Loose, moist, gray, SILT (Swamp deposit)		7.4
					16.0	878.0	
					End of Boring ***No indications of impacts.***		

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
Telephone: 651-490-2070
Fax: 651-490-2150

BORING NUMBER GP-02

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 1050 **COMPLETED** 8/8/11 1200 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 13.0 ft / Elev 881.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		Loose, moist, dark brown, fine to medium grained silty SAND, with roots (Topsoil)	
					1.5 892.5	14.4
	1	71	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt (Fill)	2.0
5						4.0
	2	71			6.0 888.0	
			Fill		Loose, moist, grayish white, potential calcium hydroxide (Fill)	18.2
					8.0 886.0	
	3	100	PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)	4.4
10					10.0 884.0	
			PT		Loose, moist, black, sapric PEAT with a little sand (Swamp deposit)	7.2
					13.0 ▽ 881.0	5.6
	4	100	ML		14.0 Loose, moist, light brown, SILT (Swamp deposit) 880.0	
15			SC		Loose, moist, dark gray, clayey SAND, (Alluvium)	5.0
					16.0 878.0	
					End of Boring	
					Calcium hydroxide fill from 6 to 8 feet bgs.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
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BORING NUMBER GP-03

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 1220 **COMPLETED** 8/8/11 1245 **GROUND ELEVATION** 893 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 11.0 ft / Elev 882.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0					0.4 Asphalt 892.6	
	1	85	SW-SM		Loose, moist, dark brown, well graded, fine to medium grained SAND with silt and gravel (Fill) 2.5 890.5	5.4
			SC		Loose, moist, dark brown, clayey SAND (Fill)	1.0
5	2	56				2.8
						2.1
	3	92			9.0 884.0	3.2
10			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit) 10.5 882.5	
			PT		▽ Loose, moist, black, sapric PEAT with a little sand (Swamp deposit) 11.5 881.5	7.0
			SW-SM		Loose, moist, dark brown, well graded, fine to medium grained SAND with silt (Outwash) 13.0 880.0	
	4	92	SW-SM		Loose, moist, gray, well graded, fine to coarse grained SAND with silt (Outwash) Swamp and unknown chemical odor	5.5
15					16.0 877.0	5.1
					End of Boring	
					Organic and unidentified odor from 13 to 16 feet bgs.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-04

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 1335 **COMPLETED** 8/8/11 1455 **GROUND ELEVATION** 892 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 7.5 ft / Elev 884.5 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 8.5 ft / Elev 883.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0					0.4 Asphalt 891.6	
			SW		1.0 Loose, moist, light brown, well graded, fine to medium grained SAND with gravel (Fill) 891.0	3.5
	1	60	SW-SM		Loose, moist, brown, well graded, fine to medium, SAND silt (Fill)	4.6
5	2	50			6.5 885.5	4.1
			PT		7.0 Loose, moist, black, fibric PEAT (Swamp deposit) 885.0	6.4
			PT		7.5 Loose, moist, black, sapric PEAT with a little sand (Swamp deposit) 884.5	
10	3	100	SW-SM		Loose, wet, dark brown, well graded, medium to coarse grained SAND with silt (Outwash) Strong naphthalene-like odor Potential NAPL Significant sheen on water and soil	39.8 29.2
15	4	100				21.3 24.7
					16.0 876.0	
					End of Boring ***Strong naphthalene-like odor, potential NAPL and sheen on soil and water from 7.5 to 16 feet bgs.***	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
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Fax: 651-490-2150

BORING NUMBER GP-05

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 1510 **COMPLETED** 8/8/11 1600 **GROUND ELEVATION** 893 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 4.0 ft / Elev 889.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0					0.4 Asphalt 892.6	
	1	92	SW		1.0 Loose, moist, light brown, well graded, fine to medium grained SAND with gravel (Fill) 892.0	16.2
			SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt (Fill) 2.0 2.0' lense of potential calcium hydroxide 891.0	
			SC		Loose, moist, dark brown, clayey SAND (Fill) 4.0 ▽ 889.0	20.6
5	2	100	SP		Loose, moist, light brown, poorly graded, coarse grained SAND (Fill) 5.0 888.0	20.5
			SP		Loose, moist, brown, poorly graded, coarse grained SAND with trace gravel (Fill) Concrete and asphalt debris 8.0 885.0	19.3
10	3	50	SW-SM		Loose, moist, gray, well graded, fine to medium grained SAND with silt (Fill) Wood debris at 9' 10.5 882.5	29.2
			PT		Loose, moist, black, semi-fibric, hemic PEAT (Swamp deposit) 12.0 881.0	27.3
15	4	81	PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit) Strong naphthalene-like odor NAPL at 13'	27.5
						218
	5	50				201
20						190
	6	71				113
					24.0 869.0	127
					End of Boring	

Calcium hydroxide lense at 2 feet bgs. Strong naphthalene-like odor and NAPL at 13 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-06

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/8/11 1615 **COMPLETED** 8/8/11 1700 **GROUND ELEVATION** 891 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 8.0 ft / Elev 883.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		1.0 Loose, moist, brown, fine to medium grained SAND with silt (Topsoil) 890.0	3.9
	1	46	SC		Loose, moist, black, clayey SAND with gravel (Fill) Strong naphthalene-like odor	6.6
5	2	31			7.0 884.0	58.9
			PT		8.0 ▽ Loose, moist, dark brown, fibric PEAT (Swamp deposit) 883.0	58.9
	3	25	SW		Loose, wet, black, well graded, fine to coarse grain SAND (Alluvium)	38.6
10					11.0 880.0	105
			PT		12.0 Loose, moist, dark brown, fibric PEAT (Swamp deposit) 879.0	
	4	75	CL		Medium density, moist, dark gray, lean CLAY (Swamp deposit)	27.0
15					14.0 877.0	83.1
	5	60	SW		Loose, wet , gray and black, well graded, fine to coarse grained SAND (Outwash) Strong naphthalene-like odor Potential NAPL, heavy sheen on soil and water	60.2
20						60.8
	6	71				176
					24.0 867.0	80.3
					End of Boring ***Strong naphthalene-like odor from 1 to 7 feet bgs. Strong naphthalene-like odor and potential NAPL from 14 to 24 feet bgs.***	

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BORING NUMBER GP-07

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 830 **COMPLETED** 8/9/11 1000 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 8.5 ft / Elev 885.5 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0					0.4 Asphalt	893.6	
			SW		1.0 Loose, moist, light brown, well graded, fine to medium grained SAND with gravel (Fill)	893.0	6.6
	1	79	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt (Fill) 2.0	892.0	
			SC		3.0 Loose, moist, dark brown, clayey SAND (Fill)	891.0	11.7
5	2	75	SM		Loose, moist, gray and black, fine to medium grained silty SAND (Fill) 7.0	887.0	13.9
					Loose, moist, brown, clayey SAND with lenses of peat (Fill) ▽		18.0
	3	100					20.2
10			SP				31.5
	4	100					38.1
15					15.0	879.0	75.6
			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)		337
	5	79			17.5 Loose, moist, black, hemic PEAT (Swamp deposit)	876.5	195
20							137
	6	92	PT				78.9
					24.0	870.0	
					End of Boring		
					Potential odor from 8 to 15 feet bgs.		

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-08

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1030 **COMPLETED** 8/9/11 1130 **GROUND ELEVATION** 896 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 11.0 ft / Elev 885.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 9.5 ft / Elev 886.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained silty SAND (Topsoil) 895.5	
	1	42	SW-SM		Loose, moist, brown, fine to medium grained SAND with silt and trace gravel (Fill) 4.0 892.0	1.3, 1.2
5	2	92	SW-SC		Loose, moist, black, well graded SAND with clay (Fill) 6.0 890.0	2.5
			SM		Loose, moist, brown, fine to medium grained silty SAND (Fill) 8.0 888.0	4.2
	3	71	SC		Loose, moist, black, clayey SAND (Fill) 10.0 886.0	3.9
10			CLS		Loose, moist, dark brown, sandy CLAY (Fill) Limestone rock at 12 feet bgs 13.5 882.5	4.8, 4.9
	4	75	PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit) 16.0 880.0	3.8
15	5	96	PT		Loose, moist, black, hemic PEAT (Swamp deposit) 18.0 878.0	2.1
			SM		Loose, moist, black, sapric PEAT (Swamp deposit) 19.0 877.0	2.5
20			ML		Loose, moist, light gray, SILT (Swamp deposit) 21.0 875.0	6.9
	6	92	SP		Loose, wet, grey, coarse grained SAND (Outwash) 24.0 872.0	6.1
					End of Boring	
					No indications of impacts.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
Telephone: 651-490-2070
Fax: 651-490-2150

BORING NUMBER GP-09

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1140 **COMPLETED** 8/9/11 1240 **GROUND ELEVATION** 895 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 15.0 ft / Elev 880.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 9.7 ft / Elev 885.4 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained silty SAND with gravel (Topsoil) 894.5	
	1	79	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt and trace gravel (Fill)	11.9
						11.4
5						23.1
	2	100			7.0 888.0	17.3
			SW-SC		8.0 Loose, moist, black, SAND with clay (Fill) 887.0	
	3	50	PT		Loose, moist, black, hemic PEAT (Swamp deposit)	21.0
10						89.7
	4	50				88.9
15					15.0 ▽ 880.0	42.0
	5	50	SP		Loose, wet, black, poorly graded, coarse grained SAND (Outwash) Strong naphthalene-like odor Appears to be NAPL. Significant sheen on soil and groundwater	43.8
20						63.0
	6	60				23.1
					24.0 871.0	24.6

End of Boring

Strong naphthalene-like odor. Appears to be NAPL. Significant sheen on soil and groundwater at 15 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-10

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1245 **COMPLETED** 8/9/11 1320 **GROUND ELEVATION** 892 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 10.0 ft / Elev 882.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 6.4 ft / Elev 885.6 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0					0.5 Asphalt 891.5	
	1	92	SM		Loose, moist, light brown, fine to medium grained silty SAND (Fill)	2.5
						1.1
5						1.5
	2	58			6.0 886.0	
			SC		Loose, moist, brown, clayey SAND (Fill)	
					7.0 885.0	2.7
			SM		Soft, moist, light gray, CLAY (Fill)	
						3.3
10	3	71			10.0 882.0	
			SW		Loose, moist, black, well graded, medium to coarse grained SAND (Fill)	1.0
					12.0 880.0	

End of Boring

No indications of impacts.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-11

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1325 **COMPLETED** 8/9/11 1400 **GROUND ELEVATION** 892 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 7.0 ft / Elev 885.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 6.4 ft / Elev 885.6 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			SM		0.5 Loose, brown, fine to medium grained silty SAND (Fill) 891.5	
	1	90			Loose, moist, light brown, medium to coarse grained SAND with silt (Fill)	1.1
						1.8
5						6.4
	2	79	SM		3 lense of asphalt debris at 7 feet bgs	16.2
						18.4
10	3	79			11.0 881.0	11.7
			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit) 12.0 880.0	

End of Boring

Slightly elevated readings otherwise no indications of impacts.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-12

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1405 **COMPLETED** 8/9/11 1500 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 15.0 ft / Elev 879.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		1.0 Loose, moist, dark brown, fine to medium grained silty SAND (Topsoil) 893.0	24.0
	1	75	SW-SM		3.0 Loose, moist, brown, well graded, fine to medium grained SAND with silt and trace gravel (Fill) 891.0	28.4
			SW-SC		4.0 Loose, moist, black, well graded, fine to medium grained SAND with clay (Fill) 890.0	
5	2	100	SM		7.0 Loose, moist, brown, fine to medium grained silty SAND (Fill) 887.0	26.4
			CL		10.5 Loose, moist, black, CLAY with trace sand (Fill) 883.5	30.0
10	3	79	PT		12.0 Loose, moist, black, fibric PEAT (Swamp deposit) naphthalene-like odor 882.0	36.0
	4	71	PT		Loose, moist, black, hemic PEAT (Swamp deposit) Napthalene odor	173
15					15.0 ▽ 879.0	154
			SP		16.0 Loose, moist, gray, poorly graded, coarse grained SAND (Outwash) Strong naphthalene-like odor, thick oily product 878.0	100

End of Boring

Naphthalene-like odor from 10.5 to 15 feet bgs. Strong naphthalene-like odor and thick oily product from 15 to 16 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-13

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1515 **COMPLETED** 8/9/11 1540 **GROUND ELEVATION** 895 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** Not Encountered

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** Not Encountered

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	50	OL		Loose, moist, dark brown, fine to medium grained silty SAND (Topsoil)	2.3
						3.2
5						5.7
	2	60			6.0 889.0	
			SW-SM		7.0 Loose, moist, brown, poorly graded, coarse grained SAND with silt (Fill) 888.0	8.4
			SW-SC		Loose, moist, black, well graded, fine to medium grained SAND with clay (Fill) Lenses of peat	
10	3	50			10.0 885.0	10.8
			PT		Loose, moist, black, hemic PEAT (Swamp deposit)	17.8
					12.0 883.0	
	4	50	PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)	12.4
					14.0 881.0	
15			PT		Loose, moist, black, sapric PEAT (Swamp deposit)	8.3
					16.0 879.0	
					End of Boring ***Slightly elevated readings otherwise no indications of impacts.***	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-14

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/9/11 1600 **COMPLETED** 8/9/11 1700 **GROUND ELEVATION** 895 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 887.0 ft

LOGGED BY P. Eastling **CHECKED BY** J. Kinny **AT END OF DRILLING** 8.5 ft / Elev 886.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			SM		0.5 Loose, moist, dark brown, fine to medium grained silty SAND (Topsoil)	894.5	
	1	81			Loose, moist, brown, fine to medium grained SAND with silt, trace gravel (Fill)		1.9
							2.5
5			SW-SM		Crushed brick debris at 4 feet bgs		
	2	50					1.9
							1.4
					8.0 ▽ ▼ Loose, moist, black, fibric PEAT (Swamp deposit)	887.0	
10	3	50	PT				3.2
							2.5
					12.0 Loose, moist, black, sapric PEAT (Swamp deposit)	883.0	
	4	42	PT				3.1
15					15.0	880.0	1.8
			PT		16.0 Medium density, moist, gray, SILT (Alluvium)	879.0	
	5	71	SP		Loose, moist, light brown, poorly graded, coarse grained SAND (Outwash)		1.9
20							2.1
	6	50					1.8
							2.0
					24.0 Silt lense at 23.5 feet bgs	871.0	
					End of Boring		
					Crushed brick debris at 4 feet bgs.		

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BORING NUMBER GP-15

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 845 **COMPLETED** 8/10/11 915 **GROUND ELEVATION** 897 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 9.0 ft / Elev 888.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		Loose, moist, dark brown, fine to medium grained silty SAND (Topsoil) 1.0 / 896.0	1.1
	1	71	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt, trace gravel (Fill)	2.1
5	2	79				1.8
					9.0 ▽ / 888.0	0.7
	3	75	SP		Loose, wet, reddish-brown, well graded, fine to medium grained SAND with silt (Fill)	1.2
10						0.9
	4	96				0.9
15						0.8
					16.0 / 881.0	
					End of Boring	
					No indications of impacts.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-16

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 930 **COMPLETED** 8/10/11 1000 **GROUND ELEVATION** 888 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 15.5 ft / Elev 872.5 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	50	SM		Loose, moist, black, fine to medium grained silty SAND (Topsoil)	1.3
					2.0 886.0	
			SW		Loose, moist, brown, well graged, fine to medium grained SAND with silt (Fill)	2.4
					4.0 884.0	
5	2	50	PT		Loose, moist, black, fibric PEAT with shells (Swamp deposit)	15.0
						18.5
	3	79			9.0 879.0	20.1
10			PT		Loose, moist, black, sapric PEAT (Swamp deposit)	17.0
	4	96				18.1
					14.0 874.0	
15			ML		Medium density, moist, black, SILT (Alluvium)	16.3
					15.5 ▽ 872.5	
	5	60	SP		Loose, moist, gray, poorly graded, coarse SAND (Outwash)	35.4
						32.2
20					20.0 868.0	
					End of Boring	
					Slightly elevated readings otherwise no indications of impacts.	

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BORING NUMBER GP-17

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1015 **COMPLETED** 8/10/11 1115 **GROUND ELEVATION** 888 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 880.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 11.5 ft / Elev 876.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			SW-SC / SW-SC		0.5 Loose, moist, dark brown, well graded, fine to medium grained, SAND with clay (Fill)	887.5	
	1	96			Loose, moist, brown, well graded, fine to medium grained, SAND with clay (Fill)		4.9
					2.5	885.5	
			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)		5.7
5					5.0	883.0	
	2	75	PT		Loose, moist, black, hemic PEAT (Swamp deposit)		17.1
					7.0	881.0	
					Loose, moist, black, sapric PEAT (Swamp deposit)		16.2
					▽		
	3	71					6.8
10							
					▼		11.1
			PT				18.2
	4	75					
15							13.3
					Wet at 16 feet bgs		
	5	79					15.1
			SP		18.0 Medium density, moist, dark gray, SILT (Swamp deposit)	870.0	
					19.0	869.0	20.1
20			SW		20.0 Loose, dark gray, well graded, fine to medium grained, SAND (Outwash)	868.0	

End of Boring

Slightly elevated readings otherwise no indications of impacts.

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BORING NUMBER GP-18

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1130 **COMPLETED** 8/10/11 1230 **GROUND ELEVATION** 888 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 3.0 ft / Elev 885.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.2 Loose, moist, brown, fine to medium grained, silty SAND (Fill) 887.8	
	1	60	SW		Loose, moist, brown, well graded, well graded, fine to medium grained, SAND (Fill)	3.6
					▽	3.4
					4.0 884.0	
5	2	92	PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)	4.1
						2.6
					8.0 880.0	
	3	79	PT		Loose, moist, dark gray, well graded, fine to coarse grained, SAND (Outwash)	2.3
10					10.0 878.0	
			PT		Loose, moist, black, henic PEAT (Swamp deposit)	3.7
					11.5 876.5	
	4	79	SP		Medium density, moist, light gray SILT (Swamp deposit)	3.2
15						3.4
	5	81			Slight naphthalene-like odor at 17' bgs	2.7
					18.0 870.0	
			SW		Loose, wet, dark gray, well graded, fine to coarse grained SAND (Outwash) naphthalene-like odor	7.3
20					20.0 868.0	

End of Boring

Naphthalene-like odor 17 to 20 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-19

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1300 **COMPLETED** 8/10/11 1345 **GROUND ELEVATION** 897 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 6.0 ft / Elev 891.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 10.6 ft / Elev 886.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	60	SM		Loose, moist, brown, fine to medium grained, silty SAND with trace gravel (Fill)	5.1
					2.0 895.0	
			SC-SM		Loose, moist, dark brown, clayey SAND (Fill)	5.2
					4.0 893.0	
5			SW		5.0 Loose, moist, dark gray, well graded, fine to coarse grained SAND (Fill) 892.0	
	2	60	CLS		Medium density, moist, dark gray, sandy CLAY (Fill)	5.4
						5.6
					8.0 Asphalt debris at 7.5 bgs 889.0	
	3	96	SC		Loose, wet, gray, clayey SAND (Fill)	2.8
10					9.5 887.5	
			SW		Loose, wet, reddish brown, well graded, fine to medium grained, SAND (Outwash)	1.3
	4	96				1.6
15						1.1
					16.0 881.0	
					End of Boring	
					Asphalt debris at 7.5 feet bgs.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-20

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1400 **COMPLETED** 8/10/11 1455 **GROUND ELEVATION** 896 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 6.0 ft / Elev 890.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 9.0 ft / Elev 887.0 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND with trace gravel (Topsoil)	895.5	
	1	60	SW-SM		Loose, moist, brown to redish brown, SAND with silt(Fill)		6.1
							7.8
5					5.5	890.5	
	2	60	CLS		Medium density, moist, dark brown, sandy CLAY (Swamp Marl Deposit)		7.2
							23.2
	3	25			Poor recovery 8 to 12 feet bgs		22.4
10							NR
	4	0			NO recovery 12 to 16 feet bgs		NR
15							NR
					16.0	880.0	
	5	60	CL		Soft, light gray, CLAY (Swamp Deposit)		22.1
			CL		Soft, light gray, CLAY, mottled (Swamp Deposit)		18.9
					19.5	876.5	
20			SP		20.0 Loose, wet, brown, well graded, fine to coarse grained SAND (Outwash)	876.0	
	6	79	CL		Medium density, moist, black and gray, lean CLAY (Swap deposits)		22.1
					Organic odor and slight naphthalene-like		
					23.0	873.0	20.4
			SW		24.0 Loose, wet, black and gray, well graded, fine to coarse grained SAND (Outwash)		
					Organic odor and slight naphthalene-like	872.0	

End of Boring

Slightly elevated readings otherwise no indications of impacts. Slight organic and naphthalene-like odor 20 to 24 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
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Telephone: 651-490-2070
Fax: 651-490-2150

BORING NUMBER GP-21

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1500 **COMPLETED** 8/10/11 1600 **GROUND ELEVATION** 896 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 888.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 7.5 ft / Elev 888.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	60	SM		Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil)	10.9
					1.5 894.5	
			SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt, trace gravel (Fill)	23.6
5					5.0 891.0	
	2	50	SW-SM		Loose, moist, gray, well graded, fine to medium grained SAND with silt, trace gravel (Fill)	23.5
					8.0 888.0	26.8
	3	75	SW-SM		Loose, wet, brown, well graded, fine to medium grained SAND with silt, trace gravel (Fill)	25.2
10					11.0 885.0	
			SW		Loose, wet, black and gray, well graded, fine to coarse grained SAND (Outwash) Organic odor and slight naphthalene-like	25.1
	4	79				24.4
15						20.6
	5	75				13.8
						7.9
20					20.0 876.0	
	6	50	CL		Medium density, moist, black and gray, lean clay (Swamp Deposit) Organic odor and slight naphthalene-like	4.3
					23.0 873.0	8.2
			SW		24.0 Loose, wet, black and gray, well graded, fine to coarse grained SAND (Outwash) Organic odor and slight naphthalene-like 872.0	

End of Boring

Organic odor and slight naphthalene-like odor from 11 to 24 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-22

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/10/11 1645 **COMPLETED** 8/10/11 1715 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core ▽ **AT TIME OF DRILLING** 7.5 ft / Elev 886.5 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		1.0 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 893.0	6.4
	1	71	CLS		Loose, moist, brown, sandy CLAY (Fill) 3.0 891.0	5.6
5			SW-SM		Loose, moist, gray and black, well graded, fine to medium grained SAND with silt (Fill) Lenses of clayey sand Organic odor and slight naphthalene-like odor 5.0 889.0	3.1
	2	60	SW		Loose, moist, gray and black, well graded, fine to medium grained, SAND (Fill) Organic odor Wet at 8 feet bgs 7.5 ▽ 886.5	2.3
10	3	71	SW		Loose, wet, gray, well graded, fine to coarse grained SAND (Outwash) Organic odor throughout	1.9
						1.5
15	4	60			Slight naphthalene-like odor from 14 to 20 feet bgs	4.0
						2.7
	5	83				1.7
20						2.6
	6	50			21.5 872.5	1.8
			PT		Loose, dark brown, hemic PEAT, trace shells (Swamp deposit) 24.0 870.0	1.2

End of Boring

Slight naphthalene-like odor from 14 to 20 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-23

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 815 **COMPLETED** 8/11/11 900 **GROUND ELEVATION** 896 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 11.0 ft / Elev 885.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 11.1 ft / Elev 884.9 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			OL		0.4 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil)	895.6	
	1	60	SW		Loose, moist, brown, well graded, fine to medium grained SAND (Fill)		7.2
					3.5	892.5	10.6
5	2	71	SW-SC		Loose, moist, brown, sandy CLAY (Fill)		9.7
					6.0	890.0	
			SW		Loose, moist, brown, well graded, fine to coarse grained SAND, trace gravel (Fill)		14.4
	3	79			9.0	887.0	14.6
10			CLS		Medium density, moist, dark brown, sandy CLAY (Fill)		
					11.0 ▼	885.0	7.8
			SW		Loose, moist, brown, well graded, fine to medium grained SAND (Fill)		
					12.0	884.0	
	4	96	SW-SC		Loose, wet, brown, SAND with clay (Fill)		11.2
					14.5	881.5	
15					Loose, wet, gray and black, SAND with a little clay (Swamp Deposits)		13.6
	5	71	SW-SC		Organic odor and slight naphthalene-like odor		16.3
					19.5	876.5	12.1
20			CL		20.0 Medium density, gray and black, lean clay (Swamp Deposits)	876.0	
					Organic odor		

End of Boring

Slight naphthalene-like odor from 14.5 bgs to 19.5 bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-24

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 900 **COMPLETED** 8/11/11 1015 **GROUND ELEVATION** 898 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 12.0 ft / Elev 886.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	79	SM		Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil)	3.5
					2.0 / 896.0	
			SW-SM		Loose, moist, brown with lenses of dark brown, well graded, fine to coarse grained SAND with a little silt and gravel (Fill)	2.9
5	2	60			Lenses of clay from 4 to 6 feet bgs	4.1
						3.8
10	3	79				3.2
						5.2
					▽ Wet at 12 feet bgs	
	4	79			13.0 / 885.0	4.8
15			PT		Loose, moist, dark brown, fibric PEAT(Swamp deposit)	1.9
					16.0 / 882.0	
	5	75	SW		Loose, wet, gray, well graded, fine to coarse grained SAND (Outwash) Organic odor	3.7
					17.5 / 880.5	
			PT		Loose, moist, dark brown, hemic PEAT (Swamp deposit)	4.4
20					20.0 / 878.0	
	6	79	SW		Loose, wet, gray, well graded, fine to coarse grained SAND (Outwash)	2.8
						3.4
					24.0 / 874.0	
					End of Boring	
					No indications of impacts	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-25

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1030 **COMPLETED** 8/11/11 1120 **GROUND ELEVATION** 897 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 9.5 ft / Elev 887.5 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 7.6 ft / Elev 889.4 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 896.5	
	1	79	SM		Loose, moist, dark brown, fine to medium grained, silty SAND with gravel (Fill)	5.4
						9.2
5						8.4
	2	79			6.0 891.0	
			SM		Loose, moist, dark brown, fine to medium grained, silty SAND with gravel and cobbles (Fill)	5.9
					9.5 ▽ 887.5	9.3
10	3	71	SW		Loose, wet, brown, well graded, fine to coarse grained SAND (Fill)	6.7
						10.1
	4	96			14.0 883.0	
			SM		14.5 Loose, moist, dark brown, fine to medium grained, silty SAND (Alluvium) 882.5	
15			PT		Loose, moist, dark brown, fibric PEAT (Swamp deposit)	9.2
					16.0 881.0	
	5	96	SC		Loose, wet, black, clayey SAND (Alluvium) Organic odor	9.0
						6.2
20						
	6	96			22.5 874.5	4.0
			CL		Soft, black, lean clay (Swamp Deposit) Sandstone rock at 24 feet bgs	4.8
					24.0 873.0	
					End of Boring ***No indications of impacts***	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-26

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1125 **COMPLETED** 8/11/11 1230 **GROUND ELEVATION** 905 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 24.0 ft / Elev 881.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 23.0 ft / Elev 882.0 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			OL		Loose, moist, dark brown, fine to medium grained, silty SAND (Topsoil)	904.0	17.7
	1	98	SC		1.0 Loose, moist, dark brown, clayey SAND, trace gravel (Fill)		15.3
5	2	96	SW		4.0 Loose, moist, brown, fine to coarse grained, SAND with gravel (Fill)	901.0	15.1
							10.6
10	3	92					11.8
							10.8
15	4	75					8.0
							11.1
	5	60	CLS		16.5 Medium density, moist, light brown, CLAY with sand (Fill)	888.5	10.5
20			SM		18.5 Loose, moist, light brown, fine to medium grained, silty SAND (Fill)	886.5	7.9
	6	50	CLS		20.0 Medium density, moist, light brown, CLAY with sand and gravel (Fill)	885.0	9.8
							7.5
25	7	100	SP		24.0 Loose, wet, gray, poorly graded, fine grained SAND (Outwash) Organic and slight naphthalene-like odor from 24 to 27.5 feet bgs	881.0	13.1
							12.2
30					30.0	875.0	12.6
					End of Boring ***Organic odor and slight naphthalene-like odor from 24 to 27.5 feet bgs.***		

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BORING NUMBER GP-27

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1300 **COMPLETED** 8/11/11 1345 **GROUND ELEVATION** 907 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** Not Encountered

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** Not Encountered

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.8 Loose, moist, dark brown, fine to medium grained, silty SAND (Topsoil) 906.2	
	1	79	SW-SM		Loose, moist, brown with lenses of dark brown, well graded, fine to medium grained SAND with silt and gravel (Fill)	12.0
						13.1
5	2	50				18.0
						8.7
	3	71				6.8
10						8.8
	4	100				11.2
15						15.7
	5	96				5.3
						12.8
20						
	6	96				6.4
						8.5
					24.0 883.0	
					End of Boring	
					Slightly elevated readings otherwise no indications of impacts. Refusal at 24 feet bgs.	

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BORING NUMBER GP-28

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1400 **COMPLETED** 8/11/11 1500 **GROUND ELEVATION** 906 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 22.0 ft / Elev 884.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 21.9 ft / Elev 884.1 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 905.5	
	1	79	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt and gravel (Fill)	8.2
					3.0 903.0	
			SC		4.0 Loose, brown, clayey SAND with gravel (Fill) 902.0	15.7
5	2	60	SW-SM		Loose, moist, brown, well graded, fine to medium grained SAND with silt and gravel (Fill)	12.2
					6.0 900.0	
			SC		Loose, brown, clayey SAND, trace gravel (Fill)	12.8
10	3	60				5.3
						10.6
	4	71				8.0
					14.0 892.0	
15			PT		15.0 Loose, dark brown, fibric PEAT (Swamp deposit) 891.0	5.7
			SW		Loose, moist, brown, well graded, fine to medium grained SAND, trace gravel (Outwash)	
	5	50				7.3
20						5.5
	6	69			Mottled from 20 to 22 feet bgs	5.8
					Wet at 22 feet bgs	2.1
25						2.2
	7	100				1.2
30					30.0 876.0	2.5
					End of Boring	

Slightly elevated readings in fill otherwise no indications of impacts.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-29

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1500 **COMPLETED** 8/11/11 1545 **GROUND ELEVATION** 893 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 19.0 ft / Elev 874.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0						
	1	79	SM		Loose, moist, dark brown, fine to medium grained, silty SAND, (Fill)	2.7
					3.0 890.0	
			CLS		Medium density, dark brown, CLAY with sand (Fill)	3.1
					4.0 889.0	
5	2	75	SW-SM		Loose, moist, brown, well graded, fine to coarse grained, SAND with silt and gravel (Fill)	1.4
						1.9
					8.0 885.0	
	3	75			Loose, moist, gray, well graded, fine to coarse grained, SAND with silt and gravel (Outwash)	1.5
10						2.2
	4	96	SW-SM			1.5
15						1.7
	5	71			Slight naphthalene-like odors from 16 to 19 feet bgs	20.8
					19.0 ▽ 874.0	7.5
20					Loose, wet, gray, poorly graded, fine, SAND (Outwash) naphthalene-like odors 19 to 20 feet bgs	
	6	79	SP-SM			17.0
						12.5
					24.0 869.0	
					End of Boring	
					Naphthalene-like odor from 16 to 24 feet bgs.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-30

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/11/11 1615 **COMPLETED** 8/11/11 1700 **GROUND ELEVATION** 890 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 12.0 ft / Elev 878.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** ---

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 889.5	
	1	79			Loose, moist, brown, fine to medium grained, silty SAND (Fill)	3.2
					Asphalt debris at 2 feet bgs	5.1
5	2	10	SM			6.3
						6.7
	3	8				5.9
10					10.0 880.0	
			PT		Loose, moist, hemic PEAT (Swamp deposit)	8.9
					12.0 ▽ 878.0	
	4	8	SW		Loose, wet, gray, well graded, fine to coarse grained, SAND with silt and gravel (Outwash) Strong naphthalene-like odors 12 to 17 feet bgs	11.7
15						17.0
					17.0 873.0	
	5	60	SP		Loose, wet, poorly graded, fine grained SAND (Outwash)	16.8
					18.0 872.0	
20			SP		Loose, wet, poorly graded, coarse grained SAND (Outwash)	20.0
	6	71				18.2
						15.7
					24.0 866.0	
					End of Boring	
					Strong naphthalene-like odors from 12 to 17 feet bgs.	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

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BORING NUMBER GP-31

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/12/11 810 **COMPLETED** 8/12/11 845 **GROUND ELEVATION** 894 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** Not Encountered

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** Not Encountered

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 893.5	
	1	79	SM		Loose, moist, brown, well graded, fine to medium grained, silty SAND (Fill)	24.9
						25.7
5					4.5 889.5	
	2	71	SW		Loose, moist, brown, well graded, fine to coarse grained, SAND, trace gravel (Fill)	26.5
					7.0 887.0	
			SW		Loose, moist, black, well graded, fine to medium grained SAND with silt and gravel (Fill) Strong naphthalene-like odor and black stainined soil. Slight sheen on soil and water.	27.3
					9.5 884.5	23.0
10	3	98	PT		10.0 Loose, black, hemic PEAT (Swamp deposit) 884.0 naphthalene-like odor	
			CLS		Soft, moist, black, CLAY with sand, trace gravel (Swamp Deposit) Black staining and naphthalene-like odor	16.4
					12.0 882.0	

End of Boring

Black staining and naphthalene-like odors from 7 to 12 feet bgs. Slight sheen on soil and water from 7 to 9.5 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
Telephone: 651-490-2070
Fax: 651-490-2150

BORING NUMBER GP-32

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/12/11 845 **COMPLETED** 8/12/11 940 **GROUND ELEVATION** 893 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 885.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 7.6 ft / Elev 885.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil)	892.5	
	1	92	SW-SM		Loose, moist, dark brown, well graded, fine to medium grained, SAND with silt, trace gravel (Fill)		7.0
					2.5	890.5	
			SC		Loose, dry, well graded gravel, rocks, and cobbles (Fill)		12.8
					4.0	889.0	
5	2	75	SW-SM		Loose, moist, brown, well graded, fine to coarse grained, SAND with silt, trace gravel (Fill)		10.3
					▼ Wet and slight naphthalene-like odor at 8 feet bgs		10.6
10	3	71					13.4
					11.0	882.0	
			SW		Loose, wet, gray, well graded, fine to coarse grained SAND, trace gravel (Alluvium) Strong naphthalene-like odor from 11 to 20 feet bgs Poor recovery from 12 to 20 feet bgs		24.7
	4	50					20.6
15							11.1
	5	50					15.9
20					20.0	873.0	16.4

End of Boring

Strong naphthalene-like odor from 11 to 20 feet bgs.

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

SEH Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110
Telephone: 651-490-2070
Fax: 651-490-2150

BORING NUMBER GP-33

CLIENT City of Saint Louis Park **PROJECT NAME** TH 7 and Louisiana Avenue Interchange

PROJECT NUMBER 106311 **PROJECT LOCATION**

DATE/TIME STARTED 8/12/11 945 **COMPLETED** 8/12/11 1030 **GROUND ELEVATION** 893 ft **HOLE SIZE** 2

DRILLING CONTRACTOR Thein Well- A. Wieber **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **SAMPLING METHOD** Macro-Core **AT TIME OF DRILLING** 8.0 ft / Elev 885.0 ft

LOGGED BY J. Kinny **CHECKED BY** J. Kinny **AT END OF DRILLING** 7.5 ft / Elev 885.5 ft

NOTES **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	10.6 eV PID (ppm)
0			OL		0.5 Loose, moist, dark brown, fine to medium grained, silty SAND, trace roots (Topsoil) 892.5	
	1	96	SW-SM		Loose, moist, dark brown, well graded, fine to medium grained SAND with silt, trace gravel (Fill) Trace clinkers	11.8 23.9
5					4.5 888.5	
	2	96	SC		Loose, moist, black, clayey SAND (Fill) Trace clinkers. Soil stained black. Strong naphthalene-like/tar odor 4.5 to 12 feet bgs	25.4 26.0
10	3	21			12.0 881.0	25.3 26.1
	4	10	SW		Loose, wet, gray, well graded, fine to coarse grained SAND (Alluvium) Strong naphthalene-like odor from 12 to 20 feet bgs. Poor recovery from 12 to 16 feet bgs.	26.7
15						25.2
	5	60				20.3
20					20.0 873.0	24.2
					End of Boring ***Trace clinkers from 0.5 to 12 feet bgs. Black stained soil from 4.5 to 12 feet bgs. naphthalene-like odor from 4.5 to 20 feet bgs.***	

10.6 EV WITH EOB NARRATIVE STLOU106311 BORING LOGS.GPJ GINT US.GDT 1/4/12

Appendix B

Laboratory Reports

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 20, 2011

Christine Carlson
Short Elliott Hendrickson
3535 Vadnais Center Drive
Saint Paul, MN 55110

RE: Project: STLOU 106311 REV
Pace Project No.: 10165911

Dear Christine Carlson:
Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

This report has been revised to add TCLP-VOCs to sample GP-05-15.

This report was revised to add DRO with silica gel clean up.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: STLOU 106311 REV
Pace Project No.: 10165911

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10165911001	**GP-01-3**	Solid	08/08/11 10:00	08/09/11 10:05
10165911002	**GP-01-8W**	Water	08/08/11 10:20	08/09/11 10:05
10165911003	**GP-02-7**	Solid	08/08/11 11:00	08/09/11 10:05
10165911004	**GP-02-10W**	Water	08/08/11 11:45	08/09/11 10:05
10165911005	**GP-02-10**	Solid	08/08/11 12:00	08/09/11 10:05
10165911006	**GP-03-3**	Solid	08/08/11 12:45	08/09/11 10:05
10165911007	**GP-03-15**	Solid	08/08/11 13:15	08/09/11 10:05
10165911008	**GP-04-3**	Solid	08/08/11 14:30	08/09/11 10:05
10165911009	**GP-04-8**	Solid	08/08/11 14:50	08/09/11 10:05
10165911010	**GP-04-8.5W**	Water	08/08/11 14:30	08/09/11 10:05
10165911011	**GP-05-2**	Solid	08/08/11 15:15	08/09/11 10:05
10165911012	**GP-05-8**	Solid	08/08/11 16:00	08/09/11 10:05
10165911013	**GP-05-15**	Solid	08/08/11 16:10	08/09/11 10:05
10165911014	**GP-06-21**	Solid	08/08/11 17:00	08/09/11 10:05
10165911015	**GP-06-8**	Solid	08/08/11 17:10	08/09/11 10:05

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10165911

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10165911001	**GP-01-3**	WI MOD DRO	JRH	2
		WI MOD DRO	KL1	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911002	**GP-01-8W**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7470	TEM	1
		EPA 8270	JLR	72
		EPA 8260	MJH	73
10165911003	**GP-02-7**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
		EPA 9045	RLB	1
10165911004	**GP-02-10W**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7470	TEM	1
		EPA 8270	JLR	72
		EPA 8260	MJH	73
10165911005	**GP-02-10**	WI MOD DRO	JRH	2
		WI MOD DRO	KL1	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911006	**GP-03-3**	WI MOD DRO	JRH	2

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10165911

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD DRO	KL1	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911007	**GP-03-15**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911008	**GP-04-3**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911009	**GP-04-8**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	CNC, MJH	71
10165911010	**GP-04-8.5W**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7470	TEM	1
		EPA 8270	JLR	72
		EPA 8260	MJH	73
10165911011	**GP-05-2**	EPA 9045	RLB	1
10165911012	**GP-05-8**	EPA 6010	IP	7
		EPA 7471	TEM	1

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10165911

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911013	**GP-05-15**	WI MOD DRO	JRH	2
		WI MOD GRO	SE	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
		EPA 8260	DJT	15
10165911014	**GP-06-21**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71
10165911015	**GP-06-8**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270	JLR	77
		EPA 8260	MJH	71

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
8 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16315

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GP-04-8 (Lab ID: 10165911009)
  - n-Triacontane (S)
- GP-05-15 (Lab ID: 10165911013)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16315

D5: The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.

- GP-05-15 (Lab ID: 10165911013)
  - n-Triacontane (S)

T6: High boiling point hydrocarbons are present in the sample.

- GP-01-3 (Lab ID: 10165911001)
  - Diesel Range Organics
- GP-03-3 (Lab ID: 10165911006)
  - Diesel Range Organics
- GP-04-8 (Lab ID: 10165911009)
  - Diesel Range Organics
- GP-05-15 (Lab ID: 10165911013)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-01-3 (Lab ID: 10165911001)
- GP-02-10 (Lab ID: 10165911005)
- GP-03-3 (Lab ID: 10165911006)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16677

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1056749)
  - Diesel Range Organics
- LCSD (Lab ID: 1056750)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16677

C0: Result confirmed by second analysis.

- LCS (Lab ID: 1056749)
  - Diesel Range Organics
- LCSD (Lab ID: 1056750)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- GP-01-8W (Lab ID: 10165911002)
- GP-02-10W (Lab ID: 10165911004)
- GP-04-8.5W (Lab ID: 10165911010)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16300

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-04-8.5W (Lab ID: 10165911010)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16300

T7: Low boiling point hydrocarbons are present in the sample.

- GP-02-10W (Lab ID: 10165911004)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
8 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: GCV/8290

3M: Surrogate recovery outside laboratory control limits due to matrix interferences.

- DUP (Lab ID: 1031276)
  - a,a,a-Trifluorotoluene (S)
- GP-04-8 (Lab ID: 10165911009)
  - a,a,a-Trifluorotoluene (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: GCV/8290

3M: Surrogate recovery outside laboratory control limits due to matrix interferences.

- GP-05-15 (Lab ID: 10165911013)
  - a,a,a-Trifluorotoluene (S)
- MS (Lab ID: 1031275)
  - a,a,a-Trifluorotoluene (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 20, 2011

General Information:
11 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 7471**
Description: 7471 Mercury
Client: SEH_MN
Date: September 20, 2011

General Information:
11 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/5786

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10165911001,10166204009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1031851)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

General Information:
14 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-01-3 (Lab ID: 10165911001)
- GP-02-10 (Lab ID: 10165911005)
- GP-02-7 (Lab ID: 10165911003)
- GP-03-15 (Lab ID: 10165911007)
- GP-03-3 (Lab ID: 10165911006)
- GP-04-3 (Lab ID: 10165911008)
- GP-04-8 (Lab ID: 10165911009)
- GP-05-15 (Lab ID: 10165911013)
- GP-05-8 (Lab ID: 10165911012)
- GP-06-21 (Lab ID: 10165911014)
- GP-06-8 (Lab ID: 10165911015)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.
The samples were prepared in accordance with EPA 3520 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: OEXT/16393

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
- BLANK (Lab ID: 1036707)
  - Benzidine
- GP-01-3 (Lab ID: 10165911001)
  - Benzidine
- GP-02-10 (Lab ID: 10165911005)
  - Benzidine
- GP-02-7 (Lab ID: 10165911003)
  - Benzidine
- GP-03-15 (Lab ID: 10165911007)
  - Benzidine
- GP-03-3 (Lab ID: 10165911006)
  - Benzidine
- GP-04-3 (Lab ID: 10165911008)
  - Benzidine
- GP-04-8 (Lab ID: 10165911009)
  - Benzidine
- GP-05-15 (Lab ID: 10165911013)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

QC Batch: OEXT/16393

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- Benzidine
- GP-05-8 (Lab ID: 10165911012)
  - Benzidine
- GP-06-21 (Lab ID: 10165911014)
  - Benzidine
- GP-06-8 (Lab ID: 10165911015)
  - Benzidine
- LCS (Lab ID: 1036708)
  - Benzidine
- MS (Lab ID: 1036709)
  - Benzidine
- MSD (Lab ID: 1036710)
  - Benzidine

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: OEXT/16393

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 1036707)
  - Benzidine
- GP-01-3 (Lab ID: 10165911001)
  - Benzidine
- GP-02-10 (Lab ID: 10165911005)
  - Benzidine
- GP-02-7 (Lab ID: 10165911003)
  - Benzidine
- GP-03-15 (Lab ID: 10165911007)
  - Benzidine
- GP-03-3 (Lab ID: 10165911006)
  - Benzidine
- GP-04-3 (Lab ID: 10165911008)
  - Benzidine
- GP-05-8 (Lab ID: 10165911012)
  - Benzidine
- LCS (Lab ID: 1036708)
  - Benzidine
- MS (Lab ID: 1036709)
  - Benzidine
- MSD (Lab ID: 1036710)
  - Benzidine

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16326

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GP-02-10W (Lab ID: 10165911004)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)
- GP-04-8.5W (Lab ID: 10165911010)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

QC Batch: OEXT/16393

S0: Surrogate recovery outside laboratory control limits.

- GP-02-7 (Lab ID: 10165911003)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
  - Phenol-d6 (S)
- MS (Lab ID: 1036709)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
- MSD (Lab ID: 1036710)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
  - Phenol-d6 (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GP-04-8 (Lab ID: 10165911009)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)
- GP-05-15 (Lab ID: 10165911013)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

QC Batch: OEXT/16393

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- 2,4,6-Tribromophenol (S)
- 2-Fluorobiphenyl (S)
- 2-Fluorophenol (S)
- Nitrobenzene-d5 (S)
- Phenol-d6 (S)
- Terphenyl-d14 (S)

• GP-06-21 (Lab ID: 10165911014)

- 2,4,6-Tribromophenol (S)
- 2-Fluorobiphenyl (S)
- 2-Fluorophenol (S)
- Nitrobenzene-d5 (S)
- Phenol-d6 (S)
- Terphenyl-d14 (S)

• GP-06-8 (Lab ID: 10165911015)

- 2,4,6-Tribromophenol (S)
- 2-Fluorobiphenyl (S)
- 2-Fluorophenol (S)
- Nitrobenzene-d5 (S)
- Phenol-d6 (S)
- Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16393

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

• LCS (Lab ID: 1036708)

- Dimethylphthalate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/6973

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: OEXT/16393

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10165911003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

• MS (Lab ID: 1036709)

- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

QC Batch: OEXT/16393

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10165911003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 2,4-Dichlorophenol
- 2,4-Dinitrophenol
- 2-Chlorophenol
- 2-Nitrophenol
- 4,6-Dinitro-2-methylphenol
- 4-Nitrophenol
- Benzoic acid
- Pentachlorophenol

- MSD (Lab ID: 1036710)
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 2-Chlorophenol
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Chloro-3-methylphenol
  - 4-Nitrophenol
  - Benzoic acid
  - Pentachlorophenol
  - Phenol

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/16326

D4: Sample was diluted due to the presence of high levels of target analytes.

- GP-01-8W (Lab ID: 10165911002)
  - Nitrobenzene-d5 (S)
- GP-02-10W (Lab ID: 10165911004)
  - Nitrobenzene-d5 (S)
- GP-04-8.5W (Lab ID: 10165911010)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/16393

2M: Sample was extracted twice within hold with confirming results and same surrogates failing.

- GP-02-7 (Lab ID: 10165911003)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16393

D4: Sample was diluted due to the presence of high levels of target analytes.

- GP-04-8 (Lab ID: 10165911009)
  - Nitrobenzene-d5 (S)
- GP-05-15 (Lab ID: 10165911013)
  - Nitrobenzene-d5 (S)
- GP-06-21 (Lab ID: 10165911014)
  - Nitrobenzene-d5 (S)
- GP-06-8 (Lab ID: 10165911015)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

General Information:
11 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-01-3 (Lab ID: 10165911001)
- GP-02-10 (Lab ID: 10165911005)
- GP-02-7 (Lab ID: 10165911003)
- GP-03-15 (Lab ID: 10165911007)
- GP-03-3 (Lab ID: 10165911006)
- GP-04-3 (Lab ID: 10165911008)
- GP-04-8 (Lab ID: 10165911009)
- GP-05-15 (Lab ID: 10165911013)
- GP-05-8 (Lab ID: 10165911012)
- GP-06-21 (Lab ID: 10165911014)
- GP-06-8 (Lab ID: 10165911015)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17637

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- LCS (Lab ID: 1032061)
  - Dichlorofluoromethane
- LCSD (Lab ID: 1032062)
  - Dichlorofluoromethane
- MS (Lab ID: 1032063)
  - Dichlorofluoromethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

QC Batch: MSV/17637

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- GP-02-7 (Lab ID: 10165911003)
  - Dibromofluoromethane (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- DUP (Lab ID: 1032064)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)
- GP-04-8 (Lab ID: 10165911009)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)
- GP-05-15 (Lab ID: 10165911013)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/17637

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1032061)
  - 2-Butanone (MEK)
- LCSD (Lab ID: 1032062)
  - Dichlorofluoromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MSV/17637

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
- DUP (Lab ID: 1032064)
  - Benzene

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: SEH_MN
Date: September 20, 2011

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10165911

Method: **EPA 9045**
Description: 9045 pH
Client: SEH_MN
Date: September 20, 2011

General Information:
2 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: WET/23244

1M: Result exceeded the calibration verification limit of the probe.
- DUP (Lab ID: 1033707)
  - pH at 25 Degrees C
- GP-02-7 (Lab ID: 10165911003)
  - pH at 25 Degrees C
- GP-05-2 (Lab ID: 10165911011)
  - pH at 25 Degrees C

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-3 **Lab ID: 10165911001** Collected: 08/08/11 10:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**15.0**	mg/kg	6.2	0.40	1	08/12/11 07:38	08/17/11 15:32		T6
n-Triacontane (S)	89	%	50-150		1	08/12/11 07:38	08/17/11 15:32		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**7.8**	mg/kg	6.2	3.1	1	09/19/11 06:59	09/19/11 12:20		L2
n-Triacontane (S)	74	%	38-125		1	09/19/11 06:59	09/19/11 12:20		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.3	2.3	1	08/11/11 13:12	08/12/11 20:52		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1	08/11/11 13:12	08/12/11 20:52	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.6**	mg/kg	0.40	0.20	1	08/12/11 13:40	08/15/11 14:27	7440-38-2	
Barium	**25.0**	mg/kg	0.40	0.016	1	08/12/11 13:40	08/15/11 14:27	7440-39-3	
Cadmium	**0.070**	mg/kg	0.040	0.0080	1	08/12/11 13:40	08/15/11 14:27	7440-43-9	
Chromium	**5.3**	mg/kg	0.40	0.056	1	08/12/11 13:40	08/15/11 14:27	7440-47-3	
Lead	**7.0**	mg/kg	0.24	0.040	1	08/12/11 13:40	08/15/11 14:27	7439-92-1	
Selenium	ND	mg/kg	0.60	0.10	1	08/12/11 13:40	08/15/11 14:27	7782-49-2	
Silver	ND	mg/kg	0.40	0.024	1	08/12/11 13:40	08/15/11 14:27	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.018	0.0014	1	08/15/11 15:41	08/16/11 14:25	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**5.7**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	83-32-9	
Acenaphthylene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	208-96-8	
Anthracene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	120-12-7	
Benzidine	ND	mg/kg	1.7	0.85	1	08/19/11 12:46	08/20/11 17:16	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	207-08-9	
Benzoic acid	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	65-85-0	
Benzyl alcohol	ND	mg/kg	0.70	0.058	1	08/19/11 12:46	08/20/11 17:16	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	85-68-7	
Carbazole	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	59-50-7	
4-Chloroaniline	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 17:16	111-91-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-3 **Lab ID: 10165911001** Collected: 08/08/11 10:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
bis(2-Chloroethyl) ether	ND	mg/kg	0.35	0.063	1	08/19/11 12:46	08/20/11 17:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 17:16	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	91-58-7	
2-Chlorophenol	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 17:16	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	7005-72-3	
Chrysene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	53-70-3	
Dibenzofuran	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.35	0.065	1	08/19/11 12:46	08/20/11 17:16	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.35	0.060	1	08/19/11 12:46	08/20/11 17:16	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 17:16	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:16	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	120-83-2	
Diethylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	105-67-9	
Dimethylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	117-81-7	
Fluoranthene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	206-44-0	
Fluorene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.35	0.068	1	08/19/11 12:46	08/20/11 17:16	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.8	0.071	1	08/19/11 12:46	08/20/11 17:16	77-47-4	
Hexachloroethane	ND	mg/kg	0.35	0.064	1	08/19/11 12:46	08/20/11 17:16	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	193-39-5	
Isophorone	ND	mg/kg	0.35	0.060	1	08/19/11 12:46	08/20/11 17:16	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.35	0.053	1	08/19/11 12:46	08/20/11 17:16	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.70	0.35	1	08/19/11 12:46	08/20/11 17:16		
Naphthalene	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 17:16	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	100-01-6	
Nitrobenzene	ND	mg/kg	0.35	0.068	1	08/19/11 12:46	08/20/11 17:16	98-95-3	
2-Nitrophenol	ND	mg/kg	0.35	0.064	1	08/19/11 12:46	08/20/11 17:16	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.35	0.059	1	08/19/11 12:46	08/20/11 17:16	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.35	0.058	1	08/19/11 12:46	08/20/11 17:16	621-64-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-3 **Lab ID: 10165911001** Collected: 08/08/11 10:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
N-Nitrosodiphenylamine	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	86-30-6	
Pentachlorophenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:16	87-86-5	
Phenanthrene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	85-01-8	
Phenol	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 17:16	108-95-2	
Pyrene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	129-00-0	
Pyridine	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.35	0.063	1	08/19/11 12:46	08/20/11 17:16	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 17:16	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 17:16	88-06-2	
Nitrobenzene-d5 (S)	65	%	50-120		1	08/19/11 12:46	08/20/11 17:16	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-150		1	08/19/11 12:46	08/20/11 17:16	321-60-8	
Terphenyl-d14 (S)	83	%	30-150		1	08/19/11 12:46	08/20/11 17:16	1718-51-0	
Phenol-d6 (S)	67	%	30-149		1	08/19/11 12:46	08/20/11 17:16	13127-88-3	
2-Fluorophenol (S)	65	%	30-147		1	08/19/11 12:46	08/20/11 17:16	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-150		1	08/19/11 12:46	08/20/11 17:16	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.53	0.013	1	08/12/11 10:28	08/12/11 17:42	67-64-1	
Allyl chloride	ND	mg/kg	0.21	0.00087	1	08/12/11 10:28	08/12/11 17:42	107-05-1	
Benzene	ND	mg/kg	0.021	0.00066	1	08/12/11 10:28	08/12/11 17:42	71-43-2	
Bromobenzene	ND	mg/kg	0.053	0.00084	1	08/12/11 10:28	08/12/11 17:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.053	0.0012	1	08/12/11 10:28	08/12/11 17:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.053	0.00076	1	08/12/11 10:28	08/12/11 17:42	75-27-4	
Bromoform	ND	mg/kg	0.21	0.00083	1	08/12/11 10:28	08/12/11 17:42	75-25-2	
Bromomethane	ND	mg/kg	0.53	0.0023	1	08/12/11 10:28	08/12/11 17:42	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.53	0.011	1	08/12/11 10:28	08/12/11 17:42	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.053	0.0010	1	08/12/11 10:28	08/12/11 17:42	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.053	0.00073	1	08/12/11 10:28	08/12/11 17:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.053	0.0010	1	08/12/11 10:28	08/12/11 17:42	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.053	0.0013	1	08/12/11 10:28	08/12/11 17:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.053	0.00094	1	08/12/11 10:28	08/12/11 17:42	108-90-7	
Chloroethane	ND	mg/kg	0.53	0.0011	1	08/12/11 10:28	08/12/11 17:42	75-00-3	
Chloroform	ND	mg/kg	0.053	0.00096	1	08/12/11 10:28	08/12/11 17:42	67-66-3	
Chloromethane	ND	mg/kg	0.21	0.00075	1	08/12/11 10:28	08/12/11 17:42	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.053	0.0010	1	08/12/11 10:28	08/12/11 17:42	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.053	0.00092	1	08/12/11 10:28	08/12/11 17:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.21	0.0021	1	08/12/11 10:28	08/12/11 17:42	96-12-8	
Dibromochloromethane	ND	mg/kg	0.053	0.0014	1	08/12/11 10:28	08/12/11 17:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.053	0.0014	1	08/12/11 10:28	08/12/11 17:42	106-93-4	
Dibromomethane	ND	mg/kg	0.053	0.0016	1	08/12/11 10:28	08/12/11 17:42	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.053	0.00055	1	08/12/11 10:28	08/12/11 17:42	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.053	0.00087	1	08/12/11 10:28	08/12/11 17:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.053	0.00093	1	08/12/11 10:28	08/12/11 17:42	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.053	0.0013	1	08/12/11 10:28	08/12/11 17:42	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.053	0.0010	1	08/12/11 10:28	08/12/11 17:42	75-34-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-3 **Lab ID: 10165911001** Collected: 08/08/11 10:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloroethane	ND	mg/kg	0.053	0.0013	1	08/12/11 10:28	08/12/11 17:42	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.053	0.00085	1	08/12/11 10:28	08/12/11 17:42	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.053	0.0011	1	08/12/11 10:28	08/12/11 17:42	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.053	0.00056	1	08/12/11 10:28	08/12/11 17:42	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.53	0.0010	1	08/12/11 10:28	08/12/11 17:42	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.053	0.00099	1	08/12/11 10:28	08/12/11 17:42	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.053	0.00094	1	08/12/11 10:28	08/12/11 17:42	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.21	0.0011	1	08/12/11 10:28	08/12/11 17:42	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.053	0.00084	1	08/12/11 10:28	08/12/11 17:42	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.053	0.00084	1	08/12/11 10:28	08/12/11 17:42	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.053	0.0012	1	08/12/11 10:28	08/12/11 17:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.21	0.0015	1	08/12/11 10:28	08/12/11 17:42	60-29-7	
Ethylbenzene	ND	mg/kg	0.053	0.00052	1	08/12/11 10:28	08/12/11 17:42	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	0.00086	1	08/12/11 10:28	08/12/11 17:42	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.053	0.00075	1	08/12/11 10:28	08/12/11 17:42	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.053	0.00096	1	08/12/11 10:28	08/12/11 17:42	99-87-6	
Methylene Chloride	ND	mg/kg	0.21	0.011	1	08/12/11 10:28	08/12/11 17:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.53	0.011	1	08/12/11 10:28	08/12/11 17:42	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.053	0.00085	1	08/12/11 10:28	08/12/11 17:42	1634-04-4	
Naphthalene	ND	mg/kg	0.21	0.00088	1	08/12/11 10:28	08/12/11 17:42	91-20-3	
n-Propylbenzene	ND	mg/kg	0.053	0.00087	1	08/12/11 10:28	08/12/11 17:42	103-65-1	
Styrene	ND	mg/kg	0.053	0.00066	1	08/12/11 10:28	08/12/11 17:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.053	0.0011	1	08/12/11 10:28	08/12/11 17:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.053	0.0012	1	08/12/11 10:28	08/12/11 17:42	79-34-5	
Tetrachloroethene	ND	mg/kg	0.053	0.0014	1	08/12/11 10:28	08/12/11 17:42	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.1	0.011	1	08/12/11 10:28	08/12/11 17:42	109-99-9	
Toluene	ND	mg/kg	0.053	0.00056	1	08/12/11 10:28	08/12/11 17:42	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.053	0.0012	1	08/12/11 10:28	08/12/11 17:42	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.053	0.00085	1	08/12/11 10:28	08/12/11 17:42	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.053	0.00093	1	08/12/11 10:28	08/12/11 17:42	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.053	0.00094	1	08/12/11 10:28	08/12/11 17:42	79-00-5	
Trichloroethene	ND	mg/kg	0.053	0.00073	1	08/12/11 10:28	08/12/11 17:42	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.21	0.0013	1	08/12/11 10:28	08/12/11 17:42	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.21	0.00086	1	08/12/11 10:28	08/12/11 17:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.053	0.0011	1	08/12/11 10:28	08/12/11 17:42	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.053	0.00087	1	08/12/11 10:28	08/12/11 17:42	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.053	0.00068	1	08/12/11 10:28	08/12/11 17:42	108-67-8	
Vinyl chloride	ND	mg/kg	0.021	0.0013	1	08/12/11 10:28	08/12/11 17:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.0030	1	08/12/11 10:28	08/12/11 17:42	1330-20-7	
Dibromofluoromethane (S)	124	%	30-150		1	08/12/11 10:28	08/12/11 17:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	30-150		1	08/12/11 10:28	08/12/11 17:42	17060-07-0	
Toluene-d8 (S)	115	%	30-150		1	08/12/11 10:28	08/12/11 17:42	2037-26-5	
4-Bromofluorobenzene (S)	123	%	30-150		1	08/12/11 10:28	08/12/11 17:42	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-8W **Lab ID: 10165911002** Collected: 08/08/11 10:20 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**351**	ug/L	109	54.3	1	08/11/11 19:19	08/15/11 13:19		
n-Triacontane (S)	83	%	50-150		1	08/11/11 19:19	08/15/11 13:19		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/11/11 14:07		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1		08/11/11 14:07	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:36	7440-38-2	
Barium, Dissolved	**654**	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:36	7440-39-3	
Cadmium, Dissolved	ND	ug/L	1.0	0.50	1	08/15/11 12:37	08/15/11 17:36	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:36	7440-47-3	
Lead, Dissolved	ND	ug/L	3.0	1.5	1	08/15/11 12:37	08/15/11 17:36	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	7.5	1	08/15/11 12:37	08/15/11 17:36	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:36	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	0.037	1	08/12/11 11:12	08/12/11 15:04	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	**542**	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	111-44-4	
2-Chlorophenol	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	54.3	8.3	5	08/12/11 14:28	08/15/11 12:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	54.3	6.7	5	08/12/11 14:28	08/15/11 12:01	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	108-60-1	
3&4-Methylphenol	ND	ug/L	109	54.3	5	08/12/11 14:28	08/15/11 12:01		
N-Nitroso-di-n-propylamine	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	621-64-7	
Hexachloroethane	ND	ug/L	54.3	8.2	5	08/12/11 14:28	08/15/11 12:01	67-72-1	
Nitrobenzene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	98-95-3	
Isophorone	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	78-59-1	
2-Nitrophenol	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	88-75-5	
2,4-Dimethylphenol	ND	ug/L	54.3	23.0	5	08/12/11 14:28	08/15/11 12:01	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	111-91-1	
2,4-Dichlorophenol	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	120-82-1	
Naphthalene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	91-20-3	
4-Chloroaniline	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	59-50-7	
2-Methylnaphthalene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-8W **Lab ID: 10165911002** Collected: 08/08/11 10:20 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	91-58-7	
2-Nitroaniline	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	88-74-4	
Dimethylphthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	131-11-3	
Acenaphthylene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	606-20-2	
3-Nitroaniline	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	99-09-2	
Acenaphthene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	83-32-9	
2,4-Dinitrophenol	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	51-28-5	
4-Nitrophenol	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	100-02-7	
Dibenzofuran	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	121-14-2	
Diethylphthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	7005-72-3	
Fluorene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	86-73-7	
4-Nitroaniline	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	272	136	5	08/12/11 14:28	08/15/11 12:01	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	101-55-3	
Hexachlorobenzene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	118-74-1	
Pentachlorophenol	ND	ug/L	125	62.5	5	08/12/11 14:28	08/15/11 12:01	87-86-5	
Phenanthrene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	85-01-8	
Anthracene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	120-12-7	
Di-n-butylphthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	84-74-2	
Fluoranthene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	206-44-0	
Pyrene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	129-00-0	
Butylbenzylphthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	109	54.3	5	08/12/11 14:28	08/15/11 12:01	91-94-1	
Benzo(a)anthracene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	56-55-3	
Chrysene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	117-81-7	
Di-n-octylphthalate	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	207-08-9	
Benzo(a)pyrene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	109	54.3	5	08/12/11 14:28	08/15/11 12:01	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	54.3	16.7	5	08/12/11 14:28	08/15/11 12:01	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	122-66-7	
Carbazole	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	86-74-8	
1-Methylnaphthalene	ND	ug/L	54.3	27.2	5	08/12/11 14:28	08/15/11 12:01	90-12-0	
Nitrobenzene-d5 (S)	96	%	30-150		5	08/12/11 14:28	08/15/11 12:01	4165-60-0	D4
2-Fluorobiphenyl (S)	97	%	30-150		5	08/12/11 14:28	08/15/11 12:01	321-60-8	
Terphenyl-d14 (S)	78	%	30-150		5	08/12/11 14:28	08/15/11 12:01	1718-51-0	
Phenol-d6 (S)	86	%	30-150		5	08/12/11 14:28	08/15/11 12:01	13127-88-3	
2-Fluorophenol (S)	79	%	30-148		5	08/12/11 14:28	08/15/11 12:01	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-8W **Lab ID: 10165911002** Collected: 08/08/11 10:20 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	111	%	30-150		5	08/12/11 14:28	08/15/11 12:01	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	**413**	ug/L	25.0	12.5	1		08/12/11 20:08	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/12/11 20:08	107-05-1	
Benzene	**1.0**	ug/L	1.0	0.36	1		08/12/11 20:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/12/11 20:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/12/11 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/12/11 20:08	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/12/11 20:08	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/12/11 20:08	74-83-9	
2-Butanone (MEK)	**45.0**	ug/L	4.0	2.0	1		08/12/11 20:08	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/12/11 20:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/12/11 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/12/11 20:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/12/11 20:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/12/11 20:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/12/11 20:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/12/11 20:08	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/12/11 20:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/12/11 20:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/12/11 20:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/12/11 20:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/12/11 20:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/12/11 20:08	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/12/11 20:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/12/11 20:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/12/11 20:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/12/11 20:08	106-46-7	
Dichlorodifluoromethane	**159**	ug/L	1.0	0.23	1		08/12/11 20:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/12/11 20:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/12/11 20:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/12/11 20:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/12/11 20:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/12/11 20:08	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/12/11 20:08	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/12/11 20:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/12/11 20:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/12/11 20:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/12/11 20:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/12/11 20:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/12/11 20:08	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/12/11 20:08	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/12/11 20:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/12/11 20:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/12/11 20:08	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-01-8W **Lab ID: 10165911002** Collected: 08/08/11 10:20 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/12/11 20:08	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/12/11 20:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/12/11 20:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/12/11 20:08	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/12/11 20:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/12/11 20:08	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/12/11 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/12/11 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/12/11 20:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/12/11 20:08	127-18-4	
Tetrahydrofuran	**77.7**	ug/L	10.0	4.1	1		08/12/11 20:08	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/12/11 20:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/12/11 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/12/11 20:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/12/11 20:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/12/11 20:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/12/11 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/12/11 20:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/12/11 20:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/12/11 20:08	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/12/11 20:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/12/11 20:08	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/12/11 20:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/12/11 20:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/12/11 20:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/12/11 20:08	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/12/11 20:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/12/11 20:08	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/12/11 20:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125		1		08/12/11 20:08	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-7 **Lab ID: 10165911003** Collected: 08/08/11 11:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	16.8	1.1	1	08/12/11 07:38	08/17/11 14:23		
n-Triacontane (S)	93	%	50-150		1	08/12/11 07:38	08/17/11 14:23		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	10.7	4.7	1	08/11/11 13:12	08/12/11 21:16		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/11/11 13:12	08/12/11 21:16	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**13.6**	mg/kg	1.1	0.53	1	08/12/11 13:40	08/15/11 14:43	7440-38-2	
Barium	**31.7**	mg/kg	1.1	0.043	1	08/12/11 13:40	08/15/11 14:43	7440-39-3	
Cadmium	ND	mg/kg	0.11	0.021	1	08/12/11 13:40	08/15/11 14:43	7440-43-9	
Chromium	**1.1**	mg/kg	1.1	0.15	1	08/12/11 13:40	08/15/11 14:43	7440-47-3	
Lead	ND	mg/kg	0.64	0.11	1	08/12/11 13:40	08/15/11 14:43	7439-92-1	
Selenium	ND	mg/kg	1.6	0.28	1	08/12/11 13:40	08/15/11 14:43	7782-49-2	
Silver	ND	mg/kg	1.1	0.064	1	08/12/11 13:40	08/15/11 14:43	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.042	0.0034	1	08/15/11 15:41	08/16/11 14:31	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**53.9**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	83-32-9	
Acenaphthylene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	208-96-8	
Anthracene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	120-12-7	
Benzidine	ND	mg/kg	3.4	1.7	1	08/19/11 12:46	08/20/11 17:41	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	207-08-9	
Benzoic acid	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	65-85-0	M1
Benzyl alcohol	ND	mg/kg	1.4	0.12	1	08/19/11 12:46	08/20/11 17:41	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	85-68-7	
Carbazole	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	59-50-7	M1
4-Chloroaniline	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	91-58-7	
2-Chlorophenol	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	95-57-8	M1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-7 **Lab ID: 10165911003** Collected: 08/08/11 11:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Chlorophenylphenyl ether	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	7005-72-3	
Chrysene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	53-70-3	
Dibenzofuran	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	1.4	0.72	1	08/19/11 12:46	08/20/11 17:41	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	120-83-2	M1
Diethylphthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	105-67-9	
Dimethylphthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	534-52-1	M1
2,4-Dinitrophenol	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	51-28-5	M1
2,4-Dinitrotoluene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	117-81-7	
Fluoranthene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	206-44-0	
Fluorene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.71	0.14	1	08/19/11 12:46	08/20/11 17:41	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	3.7	0.15	1	08/19/11 12:46	08/20/11 17:41	77-47-4	
Hexachloroethane	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	193-39-5	
Isophorone	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.71	0.11	1	08/19/11 12:46	08/20/11 17:41	95-48-7	
3&4-Methylphenol	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 17:41		
Naphthalene	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	91-20-3	
2-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	88-74-4	
3-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	99-09-2	
4-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	100-01-6	
Nitrobenzene	ND	mg/kg	0.71	0.14	1	08/19/11 12:46	08/20/11 17:41	98-95-3	
2-Nitrophenol	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	88-75-5	M1
4-Nitrophenol	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	100-02-7	M1
N-Nitrosodimethylamine	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	86-30-6	
Pentachlorophenol	ND	mg/kg	1.4	0.72	1	08/19/11 12:46	08/20/11 17:41	87-86-5	M1
Phenanthrene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	85-01-8	
Phenol	ND	mg/kg	0.71	0.12	1	08/19/11 12:46	08/20/11 17:41	108-95-2	M1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-7 **Lab ID: 10165911003** Collected: 08/08/11 11:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	129-00-0	
Pyridine	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.71	0.13	1	08/19/11 12:46	08/20/11 17:41	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	3.7	1.8	1	08/19/11 12:46	08/20/11 17:41	95-95-4	M1
2,4,6-Trichlorophenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 17:41	88-06-2	M1
Nitrobenzene-d5 (S)	74	%	50-120		1	08/19/11 12:46	08/20/11 17:41	4165-60-0	2M
2-Fluorobiphenyl (S)	78	%	30-150		1	08/19/11 12:46	08/20/11 17:41	321-60-8	
Terphenyl-d14 (S)	86	%	30-150		1	08/19/11 12:46	08/20/11 17:41	1718-51-0	
Phenol-d6 (S)	23	%	30-149		1	08/19/11 12:46	08/20/11 17:41	13127-88-3	S0
2-Fluorophenol (S)	2	%	30-147		1	08/19/11 12:46	08/20/11 17:41	367-12-4	S0
2,4,6-Tribromophenol (S)	10	%	30-150		1	08/19/11 12:46	08/20/11 17:41	118-79-6	S0
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.1	0.027	1	08/12/11 10:28	08/12/11 18:44	67-64-1	
Allyl chloride	ND	mg/kg	0.44	0.0018	1	08/12/11 10:28	08/12/11 18:44	107-05-1	
Benzene	ND	mg/kg	0.044	0.0014	1	08/12/11 10:28	08/12/11 18:44	71-43-2	
Bromobenzene	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.11	0.0025	1	08/12/11 10:28	08/12/11 18:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.11	0.0016	1	08/12/11 10:28	08/12/11 18:44	75-27-4	
Bromoform	ND	mg/kg	0.44	0.0017	1	08/12/11 10:28	08/12/11 18:44	75-25-2	
Bromomethane	ND	mg/kg	1.1	0.0047	1	08/12/11 10:28	08/12/11 18:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.1	0.022	1	08/12/11 10:28	08/12/11 18:44	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.11	0.0021	1	08/12/11 10:28	08/12/11 18:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.11	0.0015	1	08/12/11 10:28	08/12/11 18:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.11	0.0021	1	08/12/11 10:28	08/12/11 18:44	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.11	0.0026	1	08/12/11 10:28	08/12/11 18:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	108-90-7	
Chloroethane	ND	mg/kg	1.1	0.0023	1	08/12/11 10:28	08/12/11 18:44	75-00-3	
Chloroform	ND	mg/kg	0.11	0.0020	1	08/12/11 10:28	08/12/11 18:44	67-66-3	
Chloromethane	ND	mg/kg	0.44	0.0015	1	08/12/11 10:28	08/12/11 18:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.11	0.0021	1	08/12/11 10:28	08/12/11 18:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.44	0.0043	1	08/12/11 10:28	08/12/11 18:44	96-12-8	
Dibromochloromethane	ND	mg/kg	0.11	0.0030	1	08/12/11 10:28	08/12/11 18:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.11	0.0029	1	08/12/11 10:28	08/12/11 18:44	106-93-4	
Dibromomethane	ND	mg/kg	0.11	0.0034	1	08/12/11 10:28	08/12/11 18:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.11	0.0011	1	08/12/11 10:28	08/12/11 18:44	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.11	0.0018	1	08/12/11 10:28	08/12/11 18:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.11	0.0027	1	08/12/11 10:28	08/12/11 18:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.11	0.0022	1	08/12/11 10:28	08/12/11 18:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.11	0.0026	1	08/12/11 10:28	08/12/11 18:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.11	0.0023	1	08/12/11 10:28	08/12/11 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.11	0.0012	1	08/12/11 10:28	08/12/11 18:44	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-7 **Lab ID: 10165911003** Collected: 08/08/11 11:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	1.1	0.0021	1	08/12/11 10:28	08/12/11 18:44	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.11	0.0020	1	08/12/11 10:28	08/12/11 18:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.44	0.0022	1	08/12/11 10:28	08/12/11 18:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.11	0.0026	1	08/12/11 10:28	08/12/11 18:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.44	0.0030	1	08/12/11 10:28	08/12/11 18:44	60-29-7	
Ethylbenzene	ND	mg/kg	0.11	0.0011	1	08/12/11 10:28	08/12/11 18:44	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.55	0.0018	1	08/12/11 10:28	08/12/11 18:44	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.11	0.0015	1	08/12/11 10:28	08/12/11 18:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.11	0.0020	1	08/12/11 10:28	08/12/11 18:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.44	0.022	1	08/12/11 10:28	08/12/11 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.1	0.022	1	08/12/11 10:28	08/12/11 18:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	1634-04-4	
Naphthalene	ND	mg/kg	0.44	0.0018	1	08/12/11 10:28	08/12/11 18:44	91-20-3	
n-Propylbenzene	ND	mg/kg	0.11	0.0018	1	08/12/11 10:28	08/12/11 18:44	103-65-1	
Styrene	ND	mg/kg	0.11	0.0014	1	08/12/11 10:28	08/12/11 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.11	0.0022	1	08/12/11 10:28	08/12/11 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.11	0.0026	1	08/12/11 10:28	08/12/11 18:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.11	0.0029	1	08/12/11 10:28	08/12/11 18:44	127-18-4	
Tetrahydrofuran	ND	mg/kg	4.4	0.023	1	08/12/11 10:28	08/12/11 18:44	109-99-9	
Toluene	ND	mg/kg	0.11	0.0012	1	08/12/11 10:28	08/12/11 18:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.11	0.0024	1	08/12/11 10:28	08/12/11 18:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.11	0.0017	1	08/12/11 10:28	08/12/11 18:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.11	0.0019	1	08/12/11 10:28	08/12/11 18:44	79-00-5	
Trichloroethene	ND	mg/kg	0.11	0.0015	1	08/12/11 10:28	08/12/11 18:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.44	0.0026	1	08/12/11 10:28	08/12/11 18:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.44	0.0018	1	08/12/11 10:28	08/12/11 18:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.11	0.0022	1	08/12/11 10:28	08/12/11 18:44	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.11	0.0018	1	08/12/11 10:28	08/12/11 18:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.11	0.0014	1	08/12/11 10:28	08/12/11 18:44	108-67-8	
Vinyl chloride	ND	mg/kg	0.044	0.0027	1	08/12/11 10:28	08/12/11 18:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.33	0.0062	1	08/12/11 10:28	08/12/11 18:44	1330-20-7	
Dibromofluoromethane (S)	21	%	30-150		1	08/12/11 10:28	08/12/11 18:44	1868-53-7	S1
1,2-Dichloroethane-d4 (S)	120	%	30-150		1	08/12/11 10:28	08/12/11 18:44	17060-07-0	
Toluene-d8 (S)	118	%	30-150		1	08/12/11 10:28	08/12/11 18:44	2037-26-5	
4-Bromofluorobenzene (S)	125	%	30-150		1	08/12/11 10:28	08/12/11 18:44	460-00-4	
9045 pH	Analytical Method: EPA 9045								
pH at 25 Degrees C	**12.5**	Std. Units	0.10	0.050	1		08/16/11 14:41		1M

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10W **Lab ID: 10165911004** Collected: 08/08/11 11:45 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**4550**	ug/L	112	56.2	1	08/11/11 19:19	08/15/11 13:27		T7
n-Triacontane (S)	81	%	50-150		1	08/11/11 19:19	08/15/11 13:27		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/15/11 14:25		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1		08/15/11 14:25	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:54	7440-38-2	
Barium, Dissolved	**156**	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:54	7440-39-3	
Cadmium, Dissolved	ND	ug/L	1.0	0.50	1	08/15/11 12:37	08/15/11 17:54	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:54	7440-47-3	
Lead, Dissolved	ND	ug/L	3.0	1.5	1	08/15/11 12:37	08/15/11 17:54	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	7.5	1	08/15/11 12:37	08/15/11 17:54	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 17:54	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	0.037	1	08/12/11 11:12	08/12/11 15:10	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	**2830**	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	111-44-4	
2-Chlorophenol	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	549	84.1	50	08/12/11 14:28	08/15/11 12:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	549	67.6	50	08/12/11 14:28	08/15/11 12:27	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	108-60-1	
3&4-Methylphenol	ND	ug/L	1100	549	50	08/12/11 14:28	08/15/11 12:27		
N-Nitroso-di-n-propylamine	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	621-64-7	
Hexachloroethane	ND	ug/L	549	83.0	50	08/12/11 14:28	08/15/11 12:27	67-72-1	
Nitrobenzene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	98-95-3	
Isophorone	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	78-59-1	
2-Nitrophenol	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	88-75-5	
2,4-Dimethylphenol	ND	ug/L	549	232	50	08/12/11 14:28	08/15/11 12:27	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	111-91-1	
2,4-Dichlorophenol	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	120-82-1	
Naphthalene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	91-20-3	
4-Chloroaniline	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	59-50-7	
2-Methylnaphthalene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10W **Lab ID: 10165911004** Collected: 08/08/11 11:45 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	91-58-7	
2-Nitroaniline	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	88-74-4	
Dimethylphthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	131-11-3	
Acenaphthylene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	606-20-2	
3-Nitroaniline	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	99-09-2	
Acenaphthene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	83-32-9	
2,4-Dinitrophenol	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	51-28-5	
4-Nitrophenol	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	100-02-7	
Dibenzofuran	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	121-14-2	
Diethylphthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	7005-72-3	
Fluorene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	86-73-7	
4-Nitroaniline	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	2750	1370	50	08/12/11 14:28	08/15/11 12:27	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	101-55-3	
Hexachlorobenzene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	118-74-1	
Pentachlorophenol	ND	ug/L	1260	632	50	08/12/11 14:28	08/15/11 12:27	87-86-5	
Phenanthrene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	85-01-8	
Anthracene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	120-12-7	
Di-n-butylphthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	84-74-2	
Fluoranthene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	206-44-0	
Pyrene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	129-00-0	
Butylbenzylphthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	1100	549	50	08/12/11 14:28	08/15/11 12:27	91-94-1	
Benzo(a)anthracene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	56-55-3	
Chrysene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	117-81-7	
Di-n-octylphthalate	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	207-08-9	
Benzo(a)pyrene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	1100	549	50	08/12/11 14:28	08/15/11 12:27	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	549	169	50	08/12/11 14:28	08/15/11 12:27	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	122-66-7	
Carbazole	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	86-74-8	
1-Methylnaphthalene	ND	ug/L	549	275	50	08/12/11 14:28	08/15/11 12:27	90-12-0	
Nitrobenzene-d5 (S)	0	%	30-150		50	08/12/11 14:28	08/15/11 12:27	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/12/11 14:28	08/15/11 12:27	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/12/11 14:28	08/15/11 12:27	1718-51-0	S4
Phenol-d6 (S)	0	%	30-150		50	08/12/11 14:28	08/15/11 12:27	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-148		50	08/12/11 14:28	08/15/11 12:27	367-12-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10W **Lab ID: 10165911004** Collected: 08/08/11 11:45 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/12/11 14:28	08/15/11 12:27	118-79-6	S4
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/12/11 20:25	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/12/11 20:25	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/12/11 20:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/12/11 20:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/12/11 20:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/12/11 20:25	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/12/11 20:25	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/12/11 20:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/12/11 20:25	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/12/11 20:25	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/12/11 20:25	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/12/11 20:25	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/12/11 20:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/12/11 20:25	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/12/11 20:25	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/12/11 20:25	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/12/11 20:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/12/11 20:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/12/11 20:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/12/11 20:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/12/11 20:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/12/11 20:25	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/12/11 20:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/12/11 20:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/12/11 20:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/12/11 20:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/12/11 20:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/12/11 20:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/12/11 20:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/12/11 20:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/12/11 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/12/11 20:25	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/12/11 20:25	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/12/11 20:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/12/11 20:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/12/11 20:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/12/11 20:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/12/11 20:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/12/11 20:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/12/11 20:25	60-29-7	
Ethylbenzene	**1.2**	ug/L	1.0	0.38	1		08/12/11 20:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/12/11 20:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/12/11 20:25	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10W **Lab ID: 10165911004** Collected: 08/08/11 11:45 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/12/11 20:25	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/12/11 20:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/12/11 20:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/12/11 20:25	1634-04-4	
Naphthalene	**4.9**	ug/L	4.0	0.57	1		08/12/11 20:25	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/12/11 20:25	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/12/11 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/12/11 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/12/11 20:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/12/11 20:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/12/11 20:25	109-99-9	
Toluene	**1.6**	ug/L	1.0	0.39	1		08/12/11 20:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/12/11 20:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/12/11 20:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/12/11 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/12/11 20:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/12/11 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/12/11 20:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/12/11 20:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/12/11 20:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/12/11 20:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/12/11 20:25	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/12/11 20:25	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/12/11 20:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/12/11 20:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/12/11 20:25	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/12/11 20:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125		1		08/12/11 20:25	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/12/11 20:25	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		1		08/12/11 20:25	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10 **Lab ID: 10165911005** Collected: 08/08/11 12:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**15.6**	mg/kg	8.4	0.55	1	08/12/11 07:38	08/17/11 14:43		
n-Triacontane (S)	96	%	50-150		1	08/12/11 07:38	08/17/11 14:43		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	8.4	4.2	1	09/19/11 06:59	09/19/11 12:27		L2
n-Triacontane (S)	81	%	38-125		1	09/19/11 06:59	09/19/11 12:27		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.8	2.5	1	08/11/11 13:12	08/15/11 15:40		
a,a,a-Trifluorotoluene (S)	98	%	80-125		1	08/11/11 13:12	08/15/11 15:40	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	0.56	0.28	1	08/12/11 13:40	08/15/11 14:53	7440-38-2	
Barium	**60.6**	mg/kg	0.56	0.022	1	08/12/11 13:40	08/15/11 14:53	7440-39-3	
Cadmium	**0.065**	mg/kg	0.056	0.011	1	08/12/11 13:40	08/15/11 14:53	7440-43-9	
Chromium	**15.8**	mg/kg	0.56	0.078	1	08/12/11 13:40	08/15/11 14:53	7440-47-3	
Lead	**9.3**	mg/kg	0.34	0.056	1	08/12/11 13:40	08/15/11 14:53	7439-92-1	
Selenium	**0.85**	mg/kg	0.84	0.15	1	08/12/11 13:40	08/15/11 14:53	7782-49-2	
Silver	ND	mg/kg	0.56	0.034	1	08/12/11 13:40	08/15/11 14:53	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0017	1	08/15/11 15:41	08/16/11 14:33	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	83-32-9	
Acenaphthylene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	208-96-8	
Anthracene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	120-12-7	
Benzidine	ND	mg/kg	1.8	0.91	1	08/19/11 12:46	08/20/11 18:57	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	207-08-9	
Benzoic acid	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	65-85-0	
Benzyl alcohol	ND	mg/kg	0.75	0.062	1	08/19/11 12:46	08/20/11 18:57	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	85-68-7	
Carbazole	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	59-50-7	
4-Chloroaniline	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.38	0.065	1	08/19/11 12:46	08/20/11 18:57	111-91-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10 **Lab ID: 10165911005** Collected: 08/08/11 12:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
bis(2-Chloroethyl) ether	ND	mg/kg	0.38	0.068	1	08/19/11 12:46	08/20/11 18:57	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.38	0.065	1	08/19/11 12:46	08/20/11 18:57	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	91-58-7	
2-Chlorophenol	ND	mg/kg	0.38	0.067	1	08/19/11 12:46	08/20/11 18:57	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	7005-72-3	
Chrysene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	53-70-3	
Dibenzofuran	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.38	0.070	1	08/19/11 12:46	08/20/11 18:57	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.38	0.065	1	08/19/11 12:46	08/20/11 18:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.38	0.066	1	08/19/11 12:46	08/20/11 18:57	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.76	0.38	1	08/19/11 12:46	08/20/11 18:57	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	120-83-2	
Diethylphthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	105-67-9	
Dimethylphthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	117-81-7	
Fluoranthene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	206-44-0	
Fluorene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.38	0.073	1	08/19/11 12:46	08/20/11 18:57	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.077	1	08/19/11 12:46	08/20/11 18:57	77-47-4	
Hexachloroethane	ND	mg/kg	0.38	0.069	1	08/19/11 12:46	08/20/11 18:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	193-39-5	
Isophorone	ND	mg/kg	0.38	0.065	1	08/19/11 12:46	08/20/11 18:57	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.38	0.057	1	08/19/11 12:46	08/20/11 18:57	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.75	0.38	1	08/19/11 12:46	08/20/11 18:57		
Naphthalene	ND	mg/kg	0.38	0.066	1	08/19/11 12:46	08/20/11 18:57	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	100-01-6	
Nitrobenzene	ND	mg/kg	0.38	0.073	1	08/19/11 12:46	08/20/11 18:57	98-95-3	
2-Nitrophenol	ND	mg/kg	0.38	0.069	1	08/19/11 12:46	08/20/11 18:57	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.38	0.063	1	08/19/11 12:46	08/20/11 18:57	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.38	0.062	1	08/19/11 12:46	08/20/11 18:57	621-64-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10 **Lab ID: 10165911005** Collected: 08/08/11 12:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
N-Nitrosodiphenylamine	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	86-30-6	
Pentachlorophenol	ND	mg/kg	0.76	0.38	1	08/19/11 12:46	08/20/11 18:57	87-86-5	
Phenanthrene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	85-01-8	
Phenol	**0.61**	mg/kg	0.38	0.066	1	08/19/11 12:46	08/20/11 18:57	108-95-2	
Pyrene	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	129-00-0	
Pyridine	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.38	0.067	1	08/19/11 12:46	08/20/11 18:57	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.97	1	08/19/11 12:46	08/20/11 18:57	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.38	0.19	1	08/19/11 12:46	08/20/11 18:57	88-06-2	
Nitrobenzene-d5 (S)	64	%	50-120		1	08/19/11 12:46	08/20/11 18:57	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-150		1	08/19/11 12:46	08/20/11 18:57	321-60-8	
Terphenyl-d14 (S)	73	%	30-150		1	08/19/11 12:46	08/20/11 18:57	1718-51-0	
Phenol-d6 (S)	62	%	30-149		1	08/19/11 12:46	08/20/11 18:57	13127-88-3	
2-Fluorophenol (S)	62	%	30-147		1	08/19/11 12:46	08/20/11 18:57	367-12-4	
2,4,6-Tribromophenol (S)	58	%	30-150		1	08/19/11 12:46	08/20/11 18:57	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.56	0.014	1	08/12/11 10:28	08/12/11 19:04	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.00093	1	08/12/11 10:28	08/12/11 19:04	107-05-1	
Benzene	ND	mg/kg	0.023	0.00070	1	08/12/11 10:28	08/12/11 19:04	71-43-2	
Bromobenzene	ND	mg/kg	0.056	0.00089	1	08/12/11 10:28	08/12/11 19:04	108-86-1	
Bromochloromethane	ND	mg/kg	0.056	0.0013	1	08/12/11 10:28	08/12/11 19:04	74-97-5	
Bromodichloromethane	ND	mg/kg	0.056	0.00081	1	08/12/11 10:28	08/12/11 19:04	75-27-4	
Bromoform	ND	mg/kg	0.23	0.00088	1	08/12/11 10:28	08/12/11 19:04	75-25-2	
Bromomethane	ND	mg/kg	0.56	0.0024	1	08/12/11 10:28	08/12/11 19:04	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.56	0.011	1	08/12/11 10:28	08/12/11 19:04	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.056	0.00078	1	08/12/11 10:28	08/12/11 19:04	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.056	0.0014	1	08/12/11 10:28	08/12/11 19:04	56-23-5	
Chlorobenzene	ND	mg/kg	0.056	0.0010	1	08/12/11 10:28	08/12/11 19:04	108-90-7	
Chloroethane	ND	mg/kg	0.56	0.0012	1	08/12/11 10:28	08/12/11 19:04	75-00-3	
Chloroform	ND	mg/kg	0.056	0.0010	1	08/12/11 10:28	08/12/11 19:04	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.00080	1	08/12/11 10:28	08/12/11 19:04	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.056	0.00098	1	08/12/11 10:28	08/12/11 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.0022	1	08/12/11 10:28	08/12/11 19:04	96-12-8	
Dibromochloromethane	ND	mg/kg	0.056	0.0015	1	08/12/11 10:28	08/12/11 19:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.056	0.0015	1	08/12/11 10:28	08/12/11 19:04	106-93-4	
Dibromomethane	ND	mg/kg	0.056	0.0017	1	08/12/11 10:28	08/12/11 19:04	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.056	0.00059	1	08/12/11 10:28	08/12/11 19:04	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.056	0.00093	1	08/12/11 10:28	08/12/11 19:04	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.056	0.00099	1	08/12/11 10:28	08/12/11 19:04	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.056	0.0014	1	08/12/11 10:28	08/12/11 19:04	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	75-34-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-02-10 **Lab ID: 10165911005** Collected: 08/08/11 12:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloroethane	ND	mg/kg	0.056	0.0013	1	08/12/11 10:28	08/12/11 19:04	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.056	0.00090	1	08/12/11 10:28	08/12/11 19:04	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.056	0.0012	1	08/12/11 10:28	08/12/11 19:04	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.056	0.00060	1	08/12/11 10:28	08/12/11 19:04	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.56	0.0011	1	08/12/11 10:28	08/12/11 19:04	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.056	0.0010	1	08/12/11 10:28	08/12/11 19:04	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.0012	1	08/12/11 10:28	08/12/11 19:04	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.056	0.00089	1	08/12/11 10:28	08/12/11 19:04	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.056	0.00089	1	08/12/11 10:28	08/12/11 19:04	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.056	0.0013	1	08/12/11 10:28	08/12/11 19:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.0016	1	08/12/11 10:28	08/12/11 19:04	60-29-7	
Ethylbenzene	ND	mg/kg	0.056	0.00055	1	08/12/11 10:28	08/12/11 19:04	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.00092	1	08/12/11 10:28	08/12/11 19:04	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.056	0.00080	1	08/12/11 10:28	08/12/11 19:04	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.056	0.0010	1	08/12/11 10:28	08/12/11 19:04	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.011	1	08/12/11 10:28	08/12/11 19:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.56	0.011	1	08/12/11 10:28	08/12/11 19:04	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.056	0.00090	1	08/12/11 10:28	08/12/11 19:04	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.00094	1	08/12/11 10:28	08/12/11 19:04	91-20-3	
n-Propylbenzene	ND	mg/kg	0.056	0.00093	1	08/12/11 10:28	08/12/11 19:04	103-65-1	
Styrene	ND	mg/kg	0.056	0.00070	1	08/12/11 10:28	08/12/11 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.056	0.0011	1	08/12/11 10:28	08/12/11 19:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.056	0.0013	1	08/12/11 10:28	08/12/11 19:04	79-34-5	
Tetrachloroethene	ND	mg/kg	0.056	0.0015	1	08/12/11 10:28	08/12/11 19:04	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.012	1	08/12/11 10:28	08/12/11 19:04	109-99-9	
Toluene	ND	mg/kg	0.056	0.00060	1	08/12/11 10:28	08/12/11 19:04	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.056	0.0013	1	08/12/11 10:28	08/12/11 19:04	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.056	0.00090	1	08/12/11 10:28	08/12/11 19:04	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.056	0.00099	1	08/12/11 10:28	08/12/11 19:04	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.056	0.0010	1	08/12/11 10:28	08/12/11 19:04	79-00-5	
Trichloroethene	ND	mg/kg	0.056	0.00078	1	08/12/11 10:28	08/12/11 19:04	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.0013	1	08/12/11 10:28	08/12/11 19:04	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.00092	1	08/12/11 10:28	08/12/11 19:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.056	0.0012	1	08/12/11 10:28	08/12/11 19:04	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.056	0.00093	1	08/12/11 10:28	08/12/11 19:04	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.056	0.00072	1	08/12/11 10:28	08/12/11 19:04	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.0014	1	08/12/11 10:28	08/12/11 19:04	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.0032	1	08/12/11 10:28	08/12/11 19:04	1330-20-7	
Dibromofluoromethane (S)	110	%	30-150		1	08/12/11 10:28	08/12/11 19:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	30-150		1	08/12/11 10:28	08/12/11 19:04	17060-07-0	
Toluene-d8 (S)	102	%	30-150		1	08/12/11 10:28	08/12/11 19:04	2037-26-5	
4-Bromofluorobenzene (S)	107	%	30-150		1	08/12/11 10:28	08/12/11 19:04	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-3 **Lab ID: 10165911006** Collected: 08/08/11 12:45 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**17.7**	mg/kg	5.8	0.38	1	08/12/11 07:38	08/17/11 15:25		T6
n-Triacontane (S)	86	%	50-150		1	08/12/11 07:38	08/17/11 15:25		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**11.4**	mg/kg	5.8	2.9	1	09/19/11 06:59	09/19/11 12:34		L2
n-Triacontane (S)	91	%	38-125		1	09/19/11 06:59	09/19/11 12:34		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.4	2.4	1	08/11/11 13:12	08/12/11 21:39		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1	08/11/11 13:12	08/12/11 21:39	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.4**	mg/kg	0.52	0.26	1	08/12/11 13:40	08/15/11 15:07	7440-38-2	
Barium	**38.7**	mg/kg	0.52	0.021	1	08/12/11 13:40	08/15/11 15:07	7440-39-3	
Cadmium	**0.13**	mg/kg	0.052	0.010	1	08/12/11 13:40	08/15/11 15:07	7440-43-9	
Chromium	**10.4**	mg/kg	0.52	0.072	1	08/12/11 13:40	08/15/11 15:07	7440-47-3	
Lead	**15.1**	mg/kg	0.31	0.052	1	08/12/11 13:40	08/15/11 15:07	7439-92-1	
Selenium	ND	mg/kg	0.78	0.13	1	08/12/11 13:40	08/15/11 15:07	7782-49-2	
Silver	ND	mg/kg	0.52	0.031	1	08/12/11 13:40	08/15/11 15:07	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.022**	mg/kg	0.018	0.0015	1	08/15/11 15:41	08/16/11 14:39	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.8**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	83-32-9	
Acenaphthylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	208-96-8	
Anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	120-12-7	
Benzidine	ND	mg/kg	1.8	0.88	1	08/19/11 12:46	08/20/11 19:22	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	207-08-9	
Benzoic acid	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	65-85-0	
Benzyl alcohol	ND	mg/kg	0.73	0.060	1	08/19/11 12:46	08/20/11 19:22	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 19:22	111-91-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-3 **Lab ID: 10165911006** Collected: 08/08/11 12:45 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 19:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 19:22	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.065	1	08/19/11 12:46	08/20/11 19:22	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	7005-72-3	
Chrysene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/19/11 12:46	08/20/11 19:22	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 19:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 19:22	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 19:22	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	117-81-7	
Fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 19:22	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.074	1	08/19/11 12:46	08/20/11 19:22	77-47-4	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 19:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	193-39-5	
Isophorone	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 19:22	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/19/11 12:46	08/20/11 19:22	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.73	0.36	1	08/19/11 12:46	08/20/11 19:22		
Naphthalene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 19:22	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 19:22	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 19:22	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.061	1	08/19/11 12:46	08/20/11 19:22	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.060	1	08/19/11 12:46	08/20/11 19:22	621-64-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-3 **Lab ID: 10165911006** Collected: 08/08/11 12:45 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	86-30-6	
Pentachlorophenol	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 19:22	87-86-5	
Phenanthrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	85-01-8	
Phenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 19:22	108-95-2	
Pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	129-00-0	
Pyridine	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/19/11 12:46	08/20/11 19:22	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 19:22	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 19:22	88-06-2	
Nitrobenzene-d5 (S)	68	%	50-120		1	08/19/11 12:46	08/20/11 19:22	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-150		1	08/19/11 12:46	08/20/11 19:22	321-60-8	
Terphenyl-d14 (S)	74	%	30-150		1	08/19/11 12:46	08/20/11 19:22	1718-51-0	
Phenol-d6 (S)	63	%	30-149		1	08/19/11 12:46	08/20/11 19:22	13127-88-3	
2-Fluorophenol (S)	65	%	30-147		1	08/19/11 12:46	08/20/11 19:22	367-12-4	
2,4,6-Tribromophenol (S)	71	%	30-150		1	08/19/11 12:46	08/20/11 19:22	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.55	0.014	1	08/12/11 10:28	08/12/11 19:25	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.00090	1	08/12/11 10:28	08/12/11 19:25	107-05-1	
Benzene	ND	mg/kg	0.022	0.00068	1	08/12/11 10:28	08/12/11 19:25	71-43-2	
Bromobenzene	ND	mg/kg	0.055	0.00086	1	08/12/11 10:28	08/12/11 19:25	108-86-1	
Bromochloromethane	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	74-97-5	
Bromodichloromethane	ND	mg/kg	0.055	0.00079	1	08/12/11 10:28	08/12/11 19:25	75-27-4	
Bromoform	ND	mg/kg	0.22	0.00085	1	08/12/11 10:28	08/12/11 19:25	75-25-2	
Bromomethane	ND	mg/kg	0.55	0.0023	1	08/12/11 10:28	08/12/11 19:25	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.55	0.011	1	08/12/11 10:28	08/12/11 19:25	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.055	0.0010	1	08/12/11 10:28	08/12/11 19:25	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.055	0.00075	1	08/12/11 10:28	08/12/11 19:25	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.055	0.0010	1	08/12/11 10:28	08/12/11 19:25	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	56-23-5	
Chlorobenzene	ND	mg/kg	0.055	0.00097	1	08/12/11 10:28	08/12/11 19:25	108-90-7	
Chloroethane	ND	mg/kg	0.55	0.0012	1	08/12/11 10:28	08/12/11 19:25	75-00-3	
Chloroform	ND	mg/kg	0.055	0.00099	1	08/12/11 10:28	08/12/11 19:25	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.00078	1	08/12/11 10:28	08/12/11 19:25	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.055	0.0010	1	08/12/11 10:28	08/12/11 19:25	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.055	0.00095	1	08/12/11 10:28	08/12/11 19:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.0021	1	08/12/11 10:28	08/12/11 19:25	96-12-8	
Dibromochloromethane	ND	mg/kg	0.055	0.0015	1	08/12/11 10:28	08/12/11 19:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.055	0.0014	1	08/12/11 10:28	08/12/11 19:25	106-93-4	
Dibromomethane	ND	mg/kg	0.055	0.0017	1	08/12/11 10:28	08/12/11 19:25	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.055	0.00057	1	08/12/11 10:28	08/12/11 19:25	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.055	0.00090	1	08/12/11 10:28	08/12/11 19:25	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.055	0.00096	1	08/12/11 10:28	08/12/11 19:25	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.055	0.0011	1	08/12/11 10:28	08/12/11 19:25	75-34-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-3 **Lab ID: 10165911006** Collected: 08/08/11 12:45 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloroethane	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.055	0.00087	1	08/12/11 10:28	08/12/11 19:25	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.055	0.0012	1	08/12/11 10:28	08/12/11 19:25	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.055	0.00058	1	08/12/11 10:28	08/12/11 19:25	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.55	0.0011	1	08/12/11 10:28	08/12/11 19:25	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.055	0.0010	1	08/12/11 10:28	08/12/11 19:25	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.055	0.00097	1	08/12/11 10:28	08/12/11 19:25	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.0011	1	08/12/11 10:28	08/12/11 19:25	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.055	0.00086	1	08/12/11 10:28	08/12/11 19:25	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.055	0.00086	1	08/12/11 10:28	08/12/11 19:25	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.0015	1	08/12/11 10:28	08/12/11 19:25	60-29-7	
Ethylbenzene	ND	mg/kg	0.055	0.00054	1	08/12/11 10:28	08/12/11 19:25	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.27	0.00088	1	08/12/11 10:28	08/12/11 19:25	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.055	0.00078	1	08/12/11 10:28	08/12/11 19:25	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.055	0.00099	1	08/12/11 10:28	08/12/11 19:25	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.011	1	08/12/11 10:28	08/12/11 19:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.55	0.011	1	08/12/11 10:28	08/12/11 19:25	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.055	0.00087	1	08/12/11 10:28	08/12/11 19:25	1634-04-4	
Naphthalene	ND	mg/kg	0.22	0.00091	1	08/12/11 10:28	08/12/11 19:25	91-20-3	
n-Propylbenzene	ND	mg/kg	0.055	0.00090	1	08/12/11 10:28	08/12/11 19:25	103-65-1	
Styrene	ND	mg/kg	0.055	0.00068	1	08/12/11 10:28	08/12/11 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.055	0.0011	1	08/12/11 10:28	08/12/11 19:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.055	0.0013	1	08/12/11 10:28	08/12/11 19:25	79-34-5	
Tetrachloroethene	ND	mg/kg	0.055	0.0015	1	08/12/11 10:28	08/12/11 19:25	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.011	1	08/12/11 10:28	08/12/11 19:25	109-99-9	
Toluene	ND	mg/kg	0.055	0.00058	1	08/12/11 10:28	08/12/11 19:25	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.055	0.0012	1	08/12/11 10:28	08/12/11 19:25	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.055	0.00087	1	08/12/11 10:28	08/12/11 19:25	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.055	0.00096	1	08/12/11 10:28	08/12/11 19:25	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.055	0.00097	1	08/12/11 10:28	08/12/11 19:25	79-00-5	
Trichloroethene	ND	mg/kg	0.055	0.00075	1	08/12/11 10:28	08/12/11 19:25	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.0013	1	08/12/11 10:28	08/12/11 19:25	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.00088	1	08/12/11 10:28	08/12/11 19:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.055	0.0011	1	08/12/11 10:28	08/12/11 19:25	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.055	0.00090	1	08/12/11 10:28	08/12/11 19:25	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.055	0.00070	1	08/12/11 10:28	08/12/11 19:25	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.0014	1	08/12/11 10:28	08/12/11 19:25	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.0031	1	08/12/11 10:28	08/12/11 19:25	1330-20-7	
Dibromofluoromethane (S)	105	%	30-150		1	08/12/11 10:28	08/12/11 19:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	30-150		1	08/12/11 10:28	08/12/11 19:25	17060-07-0	
Toluene-d8 (S)	96	%	30-150		1	08/12/11 10:28	08/12/11 19:25	2037-26-5	
4-Bromofluorobenzene (S)	100	%	30-150		1	08/12/11 10:28	08/12/11 19:25	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-15 **Lab ID: 10165911007** Collected: 08/08/11 13:15 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.1	0.59	1	08/12/11 07:38	08/17/11 14:29		
n-Triacontane (S)	86	%	50-150		1	08/12/11 07:38	08/17/11 14:29		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.9	2.6	1	08/11/11 13:12	08/12/11 22:03		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/11/11 13:12	08/12/11 22:03	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	0.54	0.27	1	08/12/11 13:40	08/15/11 15:12	7440-38-2	
Barium	**16.1**	mg/kg	0.54	0.022	1	08/12/11 13:40	08/15/11 15:12	7440-39-3	
Cadmium	ND	mg/kg	0.054	0.011	1	08/12/11 13:40	08/15/11 15:12	7440-43-9	
Chromium	**6.9**	mg/kg	0.54	0.076	1	08/12/11 13:40	08/15/11 15:12	7440-47-3	
Lead	**3.9**	mg/kg	0.33	0.054	1	08/12/11 13:40	08/15/11 15:12	7439-92-1	
Selenium	ND	mg/kg	0.82	0.14	1	08/12/11 13:40	08/15/11 15:12	7782-49-2	
Silver	ND	mg/kg	0.54	0.033	1	08/12/11 13:40	08/15/11 15:12	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.020	0.0016	1	08/15/11 15:41	08/16/11 14:41	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**11.7**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	83-32-9	
Acenaphthylene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	208-96-8	
Anthracene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	120-12-7	
Benzidine	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 19:48	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	207-08-9	
Benzoic acid	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	65-85-0	
Benzyl alcohol	ND	mg/kg	0.74	0.061	1	08/19/11 12:46	08/20/11 19:48	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	85-68-7	
Carbazole	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	59-50-7	
4-Chloroaniline	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.37	0.064	1	08/19/11 12:46	08/20/11 19:48	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.37	0.067	1	08/19/11 12:46	08/20/11 19:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.37	0.064	1	08/19/11 12:46	08/20/11 19:48	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	91-58-7	
2-Chlorophenol	ND	mg/kg	0.37	0.066	1	08/19/11 12:46	08/20/11 19:48	95-57-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-15 **Lab ID: 10165911007** Collected: 08/08/11 13:15 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Chlorophenylphenyl ether	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	7005-72-3	
Chrysene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	53-70-3	
Dibenzofuran	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.37	0.069	1	08/19/11 12:46	08/20/11 19:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.37	0.064	1	08/19/11 12:46	08/20/11 19:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.37	0.065	1	08/19/11 12:46	08/20/11 19:48	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.75	0.38	1	08/19/11 12:46	08/20/11 19:48	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	120-83-2	
Diethylphthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	105-67-9	
Dimethylphthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	117-81-7	
Fluoranthene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	206-44-0	
Fluorene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.37	0.072	1	08/19/11 12:46	08/20/11 19:48	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.075	1	08/19/11 12:46	08/20/11 19:48	77-47-4	
Hexachloroethane	ND	mg/kg	0.37	0.067	1	08/19/11 12:46	08/20/11 19:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	193-39-5	
Isophorone	ND	mg/kg	0.37	0.064	1	08/19/11 12:46	08/20/11 19:48	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.37	0.056	1	08/19/11 12:46	08/20/11 19:48	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 19:48		
Naphthalene	ND	mg/kg	0.37	0.065	1	08/19/11 12:46	08/20/11 19:48	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	100-01-6	
Nitrobenzene	ND	mg/kg	0.37	0.072	1	08/19/11 12:46	08/20/11 19:48	98-95-3	
2-Nitrophenol	ND	mg/kg	0.37	0.067	1	08/19/11 12:46	08/20/11 19:48	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.37	0.062	1	08/19/11 12:46	08/20/11 19:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.37	0.061	1	08/19/11 12:46	08/20/11 19:48	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	86-30-6	
Pentachlorophenol	ND	mg/kg	0.75	0.38	1	08/19/11 12:46	08/20/11 19:48	87-86-5	
Phenanthrene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	85-01-8	
Phenol	ND	mg/kg	0.37	0.065	1	08/19/11 12:46	08/20/11 19:48	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-15 **Lab ID: 10165911007** Collected: 08/08/11 13:15 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	129-00-0	
Pyridine	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.37	0.066	1	08/19/11 12:46	08/20/11 19:48	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.95	1	08/19/11 12:46	08/20/11 19:48	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.37	0.18	1	08/19/11 12:46	08/20/11 19:48	88-06-2	
Nitrobenzene-d5 (S)	78	%	50-120		1	08/19/11 12:46	08/20/11 19:48	4165-60-0	
2-Fluorobiphenyl (S)	82	%	30-150		1	08/19/11 12:46	08/20/11 19:48	321-60-8	
Terphenyl-d14 (S)	91	%	30-150		1	08/19/11 12:46	08/20/11 19:48	1718-51-0	
Phenol-d6 (S)	76	%	30-149		1	08/19/11 12:46	08/20/11 19:48	13127-88-3	
2-Fluorophenol (S)	78	%	30-147		1	08/19/11 12:46	08/20/11 19:48	367-12-4	
2,4,6-Tribromophenol (S)	84	%	30-150		1	08/19/11 12:46	08/20/11 19:48	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.58	0.015	1	08/12/11 10:28	08/12/11 19:46	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.00096	1	08/12/11 10:28	08/12/11 19:46	107-05-1	
Benzene	ND	mg/kg	0.023	0.00073	1	08/12/11 10:28	08/12/11 19:46	71-43-2	
Bromobenzene	ND	mg/kg	0.058	0.00092	1	08/12/11 10:28	08/12/11 19:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.058	0.0013	1	08/12/11 10:28	08/12/11 19:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.058	0.00084	1	08/12/11 10:28	08/12/11 19:46	75-27-4	
Bromoform	ND	mg/kg	0.23	0.00091	1	08/12/11 10:28	08/12/11 19:46	75-25-2	
Bromomethane	ND	mg/kg	0.58	0.0025	1	08/12/11 10:28	08/12/11 19:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.58	0.012	1	08/12/11 10:28	08/12/11 19:46	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.058	0.00081	1	08/12/11 10:28	08/12/11 19:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.058	0.0014	1	08/12/11 10:28	08/12/11 19:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	108-90-7	
Chloroethane	ND	mg/kg	0.58	0.0012	1	08/12/11 10:28	08/12/11 19:46	75-00-3	
Chloroform	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.00083	1	08/12/11 10:28	08/12/11 19:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.0023	1	08/12/11 10:28	08/12/11 19:46	96-12-8	
Dibromochloromethane	ND	mg/kg	0.058	0.0016	1	08/12/11 10:28	08/12/11 19:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.058	0.0015	1	08/12/11 10:28	08/12/11 19:46	106-93-4	
Dibromomethane	ND	mg/kg	0.058	0.0018	1	08/12/11 10:28	08/12/11 19:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.058	0.00061	1	08/12/11 10:28	08/12/11 19:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.058	0.00096	1	08/12/11 10:28	08/12/11 19:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.058	0.0014	1	08/12/11 10:28	08/12/11 19:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.058	0.0012	1	08/12/11 10:28	08/12/11 19:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.058	0.0014	1	08/12/11 10:28	08/12/11 19:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.058	0.00094	1	08/12/11 10:28	08/12/11 19:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.058	0.0013	1	08/12/11 10:28	08/12/11 19:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.058	0.00062	1	08/12/11 10:28	08/12/11 19:46	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-03-15 **Lab ID: 10165911007** Collected: 08/08/11 13:15 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	0.58	0.0011	1	08/12/11 10:28	08/12/11 19:46	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.0012	1	08/12/11 10:28	08/12/11 19:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.058	0.00092	1	08/12/11 10:28	08/12/11 19:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.058	0.00092	1	08/12/11 10:28	08/12/11 19:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.058	0.0014	1	08/12/11 10:28	08/12/11 19:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.0016	1	08/12/11 10:28	08/12/11 19:46	60-29-7	
Ethylbenzene	ND	mg/kg	0.058	0.00057	1	08/12/11 10:28	08/12/11 19:46	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.29	0.00095	1	08/12/11 10:28	08/12/11 19:46	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.058	0.00083	1	08/12/11 10:28	08/12/11 19:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.058	0.0011	1	08/12/11 10:28	08/12/11 19:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.012	1	08/12/11 10:28	08/12/11 19:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.58	0.012	1	08/12/11 10:28	08/12/11 19:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.058	0.00094	1	08/12/11 10:28	08/12/11 19:46	1634-04-4	
Naphthalene	**0.35**	mg/kg	0.23	0.00097	1	08/12/11 10:28	08/12/11 19:46	91-20-3	
n-Propylbenzene	ND	mg/kg	0.058	0.00096	1	08/12/11 10:28	08/12/11 19:46	103-65-1	
Styrene	ND	mg/kg	0.058	0.00073	1	08/12/11 10:28	08/12/11 19:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.058	0.0012	1	08/12/11 10:28	08/12/11 19:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.058	0.0014	1	08/12/11 10:28	08/12/11 19:46	79-34-5	
Tetrachloroethene	ND	mg/kg	0.058	0.0016	1	08/12/11 10:28	08/12/11 19:46	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.012	1	08/12/11 10:28	08/12/11 19:46	109-99-9	
Toluene	ND	mg/kg	0.058	0.00062	1	08/12/11 10:28	08/12/11 19:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.058	0.0013	1	08/12/11 10:28	08/12/11 19:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.058	0.00094	1	08/12/11 10:28	08/12/11 19:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.058	0.0010	1	08/12/11 10:28	08/12/11 19:46	79-00-5	
Trichloroethene	ND	mg/kg	0.058	0.00081	1	08/12/11 10:28	08/12/11 19:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.0014	1	08/12/11 10:28	08/12/11 19:46	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.00095	1	08/12/11 10:28	08/12/11 19:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.058	0.0012	1	08/12/11 10:28	08/12/11 19:46	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.058	0.00096	1	08/12/11 10:28	08/12/11 19:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.058	0.00075	1	08/12/11 10:28	08/12/11 19:46	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.0015	1	08/12/11 10:28	08/12/11 19:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.18	0.0033	1	08/12/11 10:28	08/12/11 19:46	1330-20-7	
Dibromofluoromethane (S)	113	%	30-150		1	08/12/11 10:28	08/12/11 19:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	30-150		1	08/12/11 10:28	08/12/11 19:46	17060-07-0	
Toluene-d8 (S)	104	%	30-150		1	08/12/11 10:28	08/12/11 19:46	2037-26-5	
4-Bromofluorobenzene (S)	113	%	30-150		1	08/12/11 10:28	08/12/11 19:46	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-3 **Lab ID: 10165911008** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	7.1	0.46	1	08/12/11 07:38	08/17/11 14:36		
n-Triacontane (S)	88	%	50-150		1	08/12/11 07:38	08/17/11 14:36		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.5	2.4	1	08/11/11 13:12	08/12/11 22:26		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/11/11 13:12	08/12/11 22:26	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.8**	mg/kg	0.51	0.25	1	08/12/11 13:40	08/15/11 15:19	7440-38-2	
Barium	**29.7**	mg/kg	0.51	0.020	1	08/12/11 13:40	08/15/11 15:19	7440-39-3	
Cadmium	ND	mg/kg	0.051	0.010	1	08/12/11 13:40	08/15/11 15:19	7440-43-9	
Chromium	**7.8**	mg/kg	0.51	0.071	1	08/12/11 13:40	08/15/11 15:19	7440-47-3	
Lead	**8.4**	mg/kg	0.30	0.051	1	08/12/11 13:40	08/15/11 15:19	7439-92-1	
Selenium	ND	mg/kg	0.76	0.13	1	08/12/11 13:40	08/15/11 15:19	7782-49-2	
Silver	ND	mg/kg	0.51	0.030	1	08/12/11 13:40	08/15/11 15:19	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.020	0.0016	1	08/15/11 15:41	08/16/11 14:43	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.5**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	83-32-9	
Acenaphthylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	208-96-8	
Anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	120-12-7	
Benzidine	ND	mg/kg	1.8	0.88	1	08/19/11 12:46	08/20/11 20:13	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	207-08-9	
Benzoic acid	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	65-85-0	
Benzyl alcohol	ND	mg/kg	0.72	0.060	1	08/19/11 12:46	08/20/11 20:13	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 20:13	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 20:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 20:13	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 20:13	95-57-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-3 **Lab ID: 10165911008** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	7005-72-3	
Chrysene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/19/11 12:46	08/20/11 20:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 20:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 20:13	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 20:13	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	117-81-7	
Fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/19/11 12:46	08/20/11 20:13	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.074	1	08/19/11 12:46	08/20/11 20:13	77-47-4	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 20:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	193-39-5	
Isophorone	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 20:13	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/19/11 12:46	08/20/11 20:13	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.72	0.36	1	08/19/11 12:46	08/20/11 20:13		
Naphthalene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 20:13	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 20:13	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 20:13	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.061	1	08/19/11 12:46	08/20/11 20:13	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.060	1	08/19/11 12:46	08/20/11 20:13	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	86-30-6	
Pentachlorophenol	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 20:13	87-86-5	
Phenanthrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	85-01-8	
Phenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 20:13	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-3 **Lab ID: 10165911008** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	129-00-0	
Pyridine	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/19/11 12:46	08/20/11 20:13	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 20:13	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 20:13	88-06-2	
Nitrobenzene-d5 (S)	81	%	50-120		1	08/19/11 12:46	08/20/11 20:13	4165-60-0	
2-Fluorobiphenyl (S)	84	%	30-150		1	08/19/11 12:46	08/20/11 20:13	321-60-8	
Terphenyl-d14 (S)	92	%	30-150		1	08/19/11 12:46	08/20/11 20:13	1718-51-0	
Phenol-d6 (S)	76	%	30-149		1	08/19/11 12:46	08/20/11 20:13	13127-88-3	
2-Fluorophenol (S)	77	%	30-147		1	08/19/11 12:46	08/20/11 20:13	367-12-4	
2,4,6-Tribromophenol (S)	85	%	30-150		1	08/19/11 12:46	08/20/11 20:13	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.57	0.014	1	08/12/11 10:28	08/12/11 20:07	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.00093	1	08/12/11 10:28	08/12/11 20:07	107-05-1	
Benzene	ND	mg/kg	0.023	0.00070	1	08/12/11 10:28	08/12/11 20:07	71-43-2	
Bromobenzene	ND	mg/kg	0.057	0.00089	1	08/12/11 10:28	08/12/11 20:07	108-86-1	
Bromochloromethane	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:07	74-97-5	
Bromodichloromethane	ND	mg/kg	0.057	0.00081	1	08/12/11 10:28	08/12/11 20:07	75-27-4	
Bromoform	ND	mg/kg	0.23	0.00088	1	08/12/11 10:28	08/12/11 20:07	75-25-2	
Bromomethane	ND	mg/kg	0.57	0.0024	1	08/12/11 10:28	08/12/11 20:07	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.57	0.011	1	08/12/11 10:28	08/12/11 20:07	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.057	0.00078	1	08/12/11 10:28	08/12/11 20:07	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.057	0.0014	1	08/12/11 10:28	08/12/11 20:07	56-23-5	
Chlorobenzene	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:07	108-90-7	
Chloroethane	ND	mg/kg	0.57	0.0012	1	08/12/11 10:28	08/12/11 20:07	75-00-3	
Chloroform	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:07	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.00080	1	08/12/11 10:28	08/12/11 20:07	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.057	0.00098	1	08/12/11 10:28	08/12/11 20:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.0022	1	08/12/11 10:28	08/12/11 20:07	96-12-8	
Dibromochloromethane	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:07	106-93-4	
Dibromomethane	ND	mg/kg	0.057	0.0017	1	08/12/11 10:28	08/12/11 20:07	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.057	0.00059	1	08/12/11 10:28	08/12/11 20:07	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:07	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.057	0.00099	1	08/12/11 10:28	08/12/11 20:07	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.057	0.0014	1	08/12/11 10:28	08/12/11 20:07	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:07	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:07	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.057	0.0012	1	08/12/11 10:28	08/12/11 20:07	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.057	0.00060	1	08/12/11 10:28	08/12/11 20:07	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-3 **Lab ID: 10165911008** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	0.57	0.0011	1	08/12/11 10:28	08/12/11 20:07	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:07	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.0012	1	08/12/11 10:28	08/12/11 20:07	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.057	0.00089	1	08/12/11 10:28	08/12/11 20:07	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.057	0.00089	1	08/12/11 10:28	08/12/11 20:07	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.0016	1	08/12/11 10:28	08/12/11 20:07	60-29-7	
Ethylbenzene	ND	mg/kg	0.057	0.00055	1	08/12/11 10:28	08/12/11 20:07	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.00092	1	08/12/11 10:28	08/12/11 20:07	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.057	0.00080	1	08/12/11 10:28	08/12/11 20:07	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:07	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.011	1	08/12/11 10:28	08/12/11 20:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.57	0.011	1	08/12/11 10:28	08/12/11 20:07	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:07	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.00094	1	08/12/11 10:28	08/12/11 20:07	91-20-3	
n-Propylbenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:07	103-65-1	
Styrene	ND	mg/kg	0.057	0.00070	1	08/12/11 10:28	08/12/11 20:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:07	79-34-5	
Tetrachloroethene	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:07	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.012	1	08/12/11 10:28	08/12/11 20:07	109-99-9	
Toluene	ND	mg/kg	0.057	0.00060	1	08/12/11 10:28	08/12/11 20:07	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:07	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:07	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.057	0.00099	1	08/12/11 10:28	08/12/11 20:07	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:07	79-00-5	
Trichloroethene	ND	mg/kg	0.057	0.00078	1	08/12/11 10:28	08/12/11 20:07	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.0013	1	08/12/11 10:28	08/12/11 20:07	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.00092	1	08/12/11 10:28	08/12/11 20:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.057	0.0012	1	08/12/11 10:28	08/12/11 20:07	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:07	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.057	0.00072	1	08/12/11 10:28	08/12/11 20:07	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.0014	1	08/12/11 10:28	08/12/11 20:07	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.0032	1	08/12/11 10:28	08/12/11 20:07	1330-20-7	
Dibromofluoromethane (S)	124	%	30-150		1	08/12/11 10:28	08/12/11 20:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	30-150		1	08/12/11 10:28	08/12/11 20:07	17060-07-0	
Toluene-d8 (S)	112	%	30-150		1	08/12/11 10:28	08/12/11 20:07	2037-26-5	
4-Bromofluorobenzene (S)	120	%	30-150		1	08/12/11 10:28	08/12/11 20:07	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8 **Lab ID: 10165911009** Collected: 08/08/11 14:50 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**8880**	mg/kg	666	43.3	20	08/12/11 07:38	08/17/11 14:50		T6
n-Triacontane (S)	0	%	50-150		20	08/12/11 07:38	08/17/11 14:50		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**603**	mg/kg	54.9	23.9	10	08/11/11 13:12	08/15/11 16:03		
a,a,a-Trifluorotoluene (S)	128	%	80-125		10	08/11/11 13:12	08/15/11 16:03	98-08-8	3M
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2**	mg/kg	0.46	0.23	1	08/12/11 13:40	08/15/11 15:25	7440-38-2	
Barium	**11.4**	mg/kg	0.46	0.018	1	08/12/11 13:40	08/15/11 15:25	7440-39-3	
Cadmium	ND	mg/kg	0.046	0.0092	1	08/12/11 13:40	08/15/11 15:25	7440-43-9	
Chromium	**10.1**	mg/kg	0.46	0.065	1	08/12/11 13:40	08/15/11 15:25	7440-47-3	
Lead	**6.3**	mg/kg	0.28	0.046	1	08/12/11 13:40	08/15/11 15:25	7439-92-1	
Selenium	ND	mg/kg	0.69	0.12	1	08/12/11 13:40	08/15/11 15:25	7782-49-2	
Silver	ND	mg/kg	0.46	0.028	1	08/12/11 13:40	08/15/11 15:25	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0017	1	08/15/11 15:41	08/16/11 14:45	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.1**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**320**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	83-32-9	
Acenaphthylene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	208-96-8	
Anthracene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	120-12-7	
Benzidine	ND	mg/kg	880	440	500	08/19/11 12:46	08/22/11 11:38	92-87-5	SS
Benzo(a)anthracene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	56-55-3	
Benzo(a)pyrene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	207-08-9	
Benzoic acid	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	65-85-0	
Benzyl alcohol	ND	mg/kg	363	30.0	500	08/19/11 12:46	08/22/11 11:38	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	101-55-3	
Butylbenzylphthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	85-68-7	
Carbazole	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	59-50-7	
4-Chloroaniline	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	182	31.6	500	08/19/11 12:46	08/22/11 11:38	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	182	32.9	500	08/19/11 12:46	08/22/11 11:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	182	31.4	500	08/19/11 12:46	08/22/11 11:38	108-60-1	
2-Chloronaphthalene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	91-58-7	
2-Chlorophenol	ND	mg/kg	182	32.2	500	08/19/11 12:46	08/22/11 11:38	95-57-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8 **Lab ID: 10165911009** Collected: 08/08/11 14:50 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Chlorophenylphenyl ether	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	7005-72-3	
Chrysene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	53-70-3	
Dibenzofuran	**212**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	182	33.7	500	08/19/11 12:46	08/22/11 11:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	182	31.2	500	08/19/11 12:46	08/22/11 11:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	182	32.1	500	08/19/11 12:46	08/22/11 11:38	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	369	184	500	08/19/11 12:46	08/22/11 11:38	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	120-83-2	
Diethylphthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	105-67-9	
Dimethylphthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	606-20-2	
Di-n-octylphthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	117-81-7	
Fluoranthene	**395**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	206-44-0	
Fluorene	**254**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	182	35.3	500	08/19/11 12:46	08/22/11 11:38	87-68-3	
Hexachlorobenzene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	935	37.0	500	08/19/11 12:46	08/22/11 11:38	77-47-4	
Hexachloroethane	ND	mg/kg	182	33.1	500	08/19/11 12:46	08/22/11 11:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	193-39-5	
Isophorone	ND	mg/kg	182	31.3	500	08/19/11 12:46	08/22/11 11:38	78-59-1	
1-Methylnaphthalene	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	90-12-0	
2-Methylnaphthalene	**264**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	182	27.6	500	08/19/11 12:46	08/22/11 11:38	95-48-7	
3&4-Methylphenol	ND	mg/kg	363	182	500	08/19/11 12:46	08/22/11 11:38		
Naphthalene	**1210**	mg/kg	182	32.0	500	08/19/11 12:46	08/22/11 11:38	91-20-3	
2-Nitroaniline	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	88-74-4	
3-Nitroaniline	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	99-09-2	
4-Nitroaniline	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	100-01-6	
Nitrobenzene	ND	mg/kg	182	35.4	500	08/19/11 12:46	08/22/11 11:38	98-95-3	
2-Nitrophenol	ND	mg/kg	182	33.1	500	08/19/11 12:46	08/22/11 11:38	88-75-5	
4-Nitrophenol	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	182	30.4	500	08/19/11 12:46	08/22/11 11:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	182	29.9	500	08/19/11 12:46	08/22/11 11:38	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	86-30-6	
Pentachlorophenol	ND	mg/kg	369	184	500	08/19/11 12:46	08/22/11 11:38	87-86-5	
Phenanthrene	**825**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	85-01-8	
Phenol	ND	mg/kg	182	31.9	500	08/19/11 12:46	08/22/11 11:38	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8 **Lab ID: 10165911009** Collected: 08/08/11 14:50 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	**298**	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	129-00-0	
Pyridine	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	182	32.5	500	08/19/11 12:46	08/22/11 11:38	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	935	468	500	08/19/11 12:46	08/22/11 11:38	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	182	90.8	500	08/19/11 12:46	08/22/11 11:38	88-06-2	
Nitrobenzene-d5 (S)	0	%	50-120		500	08/19/11 12:46	08/22/11 11:38	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 11:38	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 11:38	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		500	08/19/11 12:46	08/22/11 11:38	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-147		500	08/19/11 12:46	08/22/11 11:38	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 11:38	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	54.8	1.4	100	08/12/11 10:28	08/12/11 22:31	67-64-1	
Allyl chloride	ND	mg/kg	21.9	0.090	100	08/12/11 10:28	08/12/11 22:31	107-05-1	
Benzene	ND	mg/kg	2.2	0.068	100	08/12/11 10:28	08/12/11 22:31	71-43-2	
Bromobenzene	ND	mg/kg	5.5	0.087	100	08/12/11 10:28	08/12/11 22:31	108-86-1	
Bromochloromethane	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	74-97-5	
Bromodichloromethane	ND	mg/kg	5.5	0.079	100	08/12/11 10:28	08/12/11 22:31	75-27-4	
Bromoform	ND	mg/kg	21.9	0.085	100	08/12/11 10:28	08/12/11 22:31	75-25-2	
Bromomethane	ND	mg/kg	54.8	0.23	100	08/12/11 10:28	08/12/11 22:31	74-83-9	
2-Butanone (MEK)	ND	mg/kg	54.8	1.1	100	08/12/11 10:28	08/12/11 22:31	78-93-3	L3
n-Butylbenzene	ND	mg/kg	5.5	0.10	100	08/12/11 10:28	08/12/11 22:31	104-51-8	
sec-Butylbenzene	ND	mg/kg	5.5	0.076	100	08/12/11 10:28	08/12/11 22:31	135-98-8	
tert-Butylbenzene	ND	mg/kg	5.5	0.11	100	08/12/11 10:28	08/12/11 22:31	98-06-6	
Carbon tetrachloride	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	56-23-5	
Chlorobenzene	ND	mg/kg	5.5	0.098	100	08/12/11 10:28	08/12/11 22:31	108-90-7	
Chloroethane	ND	mg/kg	54.8	0.12	100	08/12/11 10:28	08/12/11 22:31	75-00-3	
Chloroform	ND	mg/kg	5.5	0.10	100	08/12/11 10:28	08/12/11 22:31	67-66-3	
Chloromethane	ND	mg/kg	21.9	0.078	100	08/12/11 10:28	08/12/11 22:31	74-87-3	
2-Chlorotoluene	ND	mg/kg	5.5	0.10	100	08/12/11 10:28	08/12/11 22:31	95-49-8	
4-Chlorotoluene	ND	mg/kg	5.5	0.095	100	08/12/11 10:28	08/12/11 22:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	21.9	0.21	100	08/12/11 10:28	08/12/11 22:31	96-12-8	
Dibromochloromethane	ND	mg/kg	5.5	0.15	100	08/12/11 10:28	08/12/11 22:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	5.5	0.14	100	08/12/11 10:28	08/12/11 22:31	106-93-4	
Dibromomethane	ND	mg/kg	5.5	0.17	100	08/12/11 10:28	08/12/11 22:31	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	5.5	0.057	100	08/12/11 10:28	08/12/11 22:31	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	5.5	0.090	100	08/12/11 10:28	08/12/11 22:31	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	5.5	0.096	100	08/12/11 10:28	08/12/11 22:31	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	75-71-8	
1,1-Dichloroethane	ND	mg/kg	5.5	0.11	100	08/12/11 10:28	08/12/11 22:31	75-34-3	
1,2-Dichloroethane	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	107-06-2	
1,1-Dichloroethene	ND	mg/kg	5.5	0.088	100	08/12/11 10:28	08/12/11 22:31	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	5.5	0.12	100	08/12/11 10:28	08/12/11 22:31	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	5.5	0.058	100	08/12/11 10:28	08/12/11 22:31	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8 **Lab ID: 10165911009** Collected: 08/08/11 14:50 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	54.8	0.11	100	08/12/11 10:28	08/12/11 22:31	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	5.5	0.10	100	08/12/11 10:28	08/12/11 22:31	78-87-5	
1,3-Dichloropropane	ND	mg/kg	5.5	0.098	100	08/12/11 10:28	08/12/11 22:31	142-28-9	
2,2-Dichloropropane	ND	mg/kg	21.9	0.11	100	08/12/11 10:28	08/12/11 22:31	594-20-7	
1,1-Dichloropropene	ND	mg/kg	5.5	0.087	100	08/12/11 10:28	08/12/11 22:31	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	5.5	0.087	100	08/12/11 10:28	08/12/11 22:31	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	21.9	0.15	100	08/12/11 10:28	08/12/11 22:31	60-29-7	
Ethylbenzene	ND	mg/kg	5.5	0.054	100	08/12/11 10:28	08/12/11 22:31	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	27.4	0.089	100	08/12/11 10:28	08/12/11 22:31	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	5.5	0.078	100	08/12/11 10:28	08/12/11 22:31	98-82-8	
p-Isopropyltoluene	ND	mg/kg	5.5	0.10	100	08/12/11 10:28	08/12/11 22:31	99-87-6	
Methylene Chloride	ND	mg/kg	21.9	1.1	100	08/12/11 10:28	08/12/11 22:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	54.8	1.1	100	08/12/11 10:28	08/12/11 22:31	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	5.5	0.088	100	08/12/11 10:28	08/12/11 22:31	1634-04-4	
Naphthalene	**1810**	mg/kg	43.8	0.18	200	08/12/11 10:28	08/14/11 18:11	91-20-3	
n-Propylbenzene	ND	mg/kg	5.5	0.090	100	08/12/11 10:28	08/12/11 22:31	103-65-1	
Styrene	ND	mg/kg	5.5	0.068	100	08/12/11 10:28	08/12/11 22:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	5.5	0.11	100	08/12/11 10:28	08/12/11 22:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	5.5	0.13	100	08/12/11 10:28	08/12/11 22:31	79-34-5	
Tetrachloroethene	ND	mg/kg	5.5	0.15	100	08/12/11 10:28	08/12/11 22:31	127-18-4	
Tetrahydrofuran	ND	mg/kg	219	1.1	100	08/12/11 10:28	08/12/11 22:31	109-99-9	
Toluene	ND	mg/kg	5.5	0.058	100	08/12/11 10:28	08/12/11 22:31	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	5.5	0.12	100	08/12/11 10:28	08/12/11 22:31	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	5.5	0.088	100	08/12/11 10:28	08/12/11 22:31	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	5.5	0.096	100	08/12/11 10:28	08/12/11 22:31	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	5.5	0.098	100	08/12/11 10:28	08/12/11 22:31	79-00-5	
Trichloroethene	ND	mg/kg	5.5	0.076	100	08/12/11 10:28	08/12/11 22:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	21.9	0.13	100	08/12/11 10:28	08/12/11 22:31	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	21.9	0.089	100	08/12/11 10:28	08/12/11 22:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	5.5	0.11	100	08/12/11 10:28	08/12/11 22:31	76-13-1	
1,2,4-Trimethylbenzene	**6.9**	mg/kg	5.5	0.090	100	08/12/11 10:28	08/12/11 22:31	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	5.5	0.070	100	08/12/11 10:28	08/12/11 22:31	108-67-8	
Vinyl chloride	ND	mg/kg	2.2	0.14	100	08/12/11 10:28	08/12/11 22:31	75-01-4	
Xylene (Total)	ND	mg/kg	16.4	0.31	100	08/12/11 10:28	08/12/11 22:31	1330-20-7	
Dibromofluoromethane (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:31	1868-53-7	S4
1,2-Dichloroethane-d4 (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:31	17060-07-0	S4
Toluene-d8 (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:31	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:31	460-00-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8.5W **Lab ID: 10165911010** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**26400**	ug/L	1160	581	10	08/11/11 19:19	08/15/11 13:50		
n-Triacontane (S)	0	%	50-150		10	08/11/11 19:19	08/15/11 13:50		P4,S4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	**6910**	ug/L	1000	130	10		08/16/11 23:03		
a,a,a-Trifluorotoluene (S)	101	%	80-125		10		08/16/11 23:03	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 18:01	7440-38-2	
Barium, Dissolved	**247**	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 18:01	7440-39-3	
Cadmium, Dissolved	ND	ug/L	1.0	0.50	1	08/15/11 12:37	08/15/11 18:01	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 18:01	7440-47-3	
Lead, Dissolved	ND	ug/L	3.0	1.5	1	08/15/11 12:37	08/15/11 18:01	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	7.5	1	08/15/11 12:37	08/15/11 18:01	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	5.0	1	08/15/11 12:37	08/15/11 18:01	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	0.037	1	08/12/11 11:12	08/12/11 15:12	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	111-44-4	
2-Chlorophenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	1160	178	100	08/12/11 14:28	08/15/11 12:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1160	143	100	08/12/11 14:28	08/15/11 12:53	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	108-60-1	
3&4-Methylphenol	ND	ug/L	2330	1160	100	08/12/11 14:28	08/15/11 12:53		
N-Nitroso-di-n-propylamine	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	621-64-7	
Hexachloroethane	ND	ug/L	1160	176	100	08/12/11 14:28	08/15/11 12:53	67-72-1	
Nitrobenzene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	98-95-3	
Isophorone	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	78-59-1	
2-Nitrophenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	88-75-5	
2,4-Dimethylphenol	ND	ug/L	1160	492	100	08/12/11 14:28	08/15/11 12:53	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	111-91-1	
2,4-Dichlorophenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	120-82-1	
Naphthalene	**14200**	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	91-20-3	
4-Chloroaniline	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	59-50-7	
2-Methylnaphthalene	**1220**	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8.5W **Lab ID: 10165911010** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	91-58-7	
2-Nitroaniline	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	88-74-4	
Dimethylphthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	131-11-3	
Acenaphthylene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	606-20-2	
3-Nitroaniline	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	99-09-2	
Acenaphthene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	83-32-9	
2,4-Dinitrophenol	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	51-28-5	
4-Nitrophenol	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	100-02-7	
Dibenzofuran	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	121-14-2	
Diethylphthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	7005-72-3	
Fluorene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	86-73-7	
4-Nitroaniline	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	5810	2910	100	08/12/11 14:28	08/15/11 12:53	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	101-55-3	
Hexachlorobenzene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	118-74-1	
Pentachlorophenol	ND	ug/L	2670	1340	100	08/12/11 14:28	08/15/11 12:53	87-86-5	
Phenanthrene	**1790**	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	85-01-8	
Anthracene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	120-12-7	
Di-n-butylphthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	84-74-2	
Fluoranthene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	206-44-0	
Pyrene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	129-00-0	
Butylbenzylphthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	2330	1160	100	08/12/11 14:28	08/15/11 12:53	91-94-1	
Benzo(a)anthracene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	56-55-3	
Chrysene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	117-81-7	
Di-n-octylphthalate	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	207-08-9	
Benzo(a)pyrene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	2330	1160	100	08/12/11 14:28	08/15/11 12:53	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	1160	358	100	08/12/11 14:28	08/15/11 12:53	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	122-66-7	
Carbazole	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	86-74-8	
1-Methylnaphthalene	ND	ug/L	1160	581	100	08/12/11 14:28	08/15/11 12:53	90-12-0	
Nitrobenzene-d5 (S)	0	%	30-150		100	08/12/11 14:28	08/15/11 12:53	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		100	08/12/11 14:28	08/15/11 12:53	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		100	08/12/11 14:28	08/15/11 12:53	1718-51-0	S4
Phenol-d6 (S)	0	%	30-150		100	08/12/11 14:28	08/15/11 12:53	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-148		100	08/12/11 14:28	08/15/11 12:53	367-12-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8.5W **Lab ID: 10165911010** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	0	%	30-150		100	08/12/11 14:28	08/15/11 12:53	118-79-6	S4
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	2500	1250	100		08/12/11 21:46	67-64-1	
Allyl chloride	ND	ug/L	400	51.0	100		08/12/11 21:46	107-05-1	
Benzene	ND	ug/L	100	36.0	100		08/12/11 21:46	71-43-2	
Bromobenzene	ND	ug/L	100	31.0	100		08/12/11 21:46	108-86-1	
Bromochloromethane	ND	ug/L	100	22.0	100		08/12/11 21:46	74-97-5	
Bromodichloromethane	ND	ug/L	100	23.0	100		08/12/11 21:46	75-27-4	
Bromoform	ND	ug/L	400	200	100		08/12/11 21:46	75-25-2	
Bromomethane	ND	ug/L	400	36.0	100		08/12/11 21:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	400	200	100		08/12/11 21:46	78-93-3	
n-Butylbenzene	ND	ug/L	100	38.0	100		08/12/11 21:46	104-51-8	
sec-Butylbenzene	ND	ug/L	100	37.0	100		08/12/11 21:46	135-98-8	
tert-Butylbenzene	ND	ug/L	100	47.0	100		08/12/11 21:46	98-06-6	
Carbon tetrachloride	ND	ug/L	100	38.0	100		08/12/11 21:46	56-23-5	
Chlorobenzene	ND	ug/L	100	33.0	100		08/12/11 21:46	108-90-7	
Chloroethane	ND	ug/L	100	32.0	100		08/12/11 21:46	75-00-3	
Chloroform	ND	ug/L	100	34.0	100		08/12/11 21:46	67-66-3	
Chloromethane	ND	ug/L	400	36.0	100		08/12/11 21:46	74-87-3	
2-Chlorotoluene	ND	ug/L	100	37.0	100		08/12/11 21:46	95-49-8	
4-Chlorotoluene	ND	ug/L	100	29.0	100		08/12/11 21:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	123	100		08/12/11 21:46	96-12-8	
Dibromochloromethane	ND	ug/L	100	36.0	100		08/12/11 21:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	26.0	100		08/12/11 21:46	106-93-4	
Dibromomethane	ND	ug/L	400	48.0	100		08/12/11 21:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	31.0	100		08/12/11 21:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	40.0	100		08/12/11 21:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	34.0	100		08/12/11 21:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	23.0	100		08/12/11 21:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	23.0	100		08/12/11 21:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	23.0	100		08/12/11 21:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	47.0	100		08/12/11 21:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	37.0	100		08/12/11 21:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	400	21.0	100		08/12/11 21:46	156-60-5	
Dichlorofluoromethane	ND	ug/L	100	25.0	100		08/12/11 21:46	75-43-4	
1,2-Dichloropropane	ND	ug/L	400	41.0	100		08/12/11 21:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	36.0	100		08/12/11 21:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	400	42.0	100		08/12/11 21:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	46.0	100		08/12/11 21:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	27.0	100		08/12/11 21:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	18.0	100		08/12/11 21:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	400	28.0	100		08/12/11 21:46	60-29-7	
Ethylbenzene	ND	ug/L	100	38.0	100		08/12/11 21:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	500	20.0	100		08/12/11 21:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	100	36.0	100		08/12/11 21:46	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-04-8.5W **Lab ID: 10165911010** Collected: 08/08/11 14:30 Received: 08/09/11 10:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	100	36.0	100		08/12/11 21:46	99-87-6	
Methylene Chloride	ND	ug/L	400	200	100		08/12/11 21:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	400	200	100		08/12/11 21:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	24.0	100		08/12/11 21:46	1634-04-4	
Naphthalene	**11700**	ug/L	400	57.0	100		08/12/11 21:46	91-20-3	
n-Propylbenzene	ND	ug/L	100	42.0	100		08/12/11 21:46	103-65-1	
Styrene	ND	ug/L	100	35.0	100		08/12/11 21:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	35.0	100		08/12/11 21:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	17.0	100		08/12/11 21:46	79-34-5	
Tetrachloroethene	ND	ug/L	100	26.0	100		08/12/11 21:46	127-18-4	
Tetrahydrofuran	ND	ug/L	1000	410	100		08/12/11 21:46	109-99-9	
Toluene	ND	ug/L	100	39.0	100		08/12/11 21:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	29.0	100		08/12/11 21:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	33.0	100		08/12/11 21:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	26.0	100		08/12/11 21:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	38.0	100		08/12/11 21:46	79-00-5	
Trichloroethene	ND	ug/L	100	20.0	100		08/12/11 21:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	30.0	100		08/12/11 21:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	400	25.0	100		08/12/11 21:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	100	49.0	100		08/12/11 21:46	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	100	26.0	100		08/12/11 21:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	38.0	100		08/12/11 21:46	108-67-8	
Vinyl chloride	ND	ug/L	40.0	17.0	100		08/12/11 21:46	75-01-4	
Xylene (Total)	ND	ug/L	300	112	100		08/12/11 21:46	1330-20-7	
m&p-Xylene	ND	ug/L	200	66.0	100		08/12/11 21:46	179601-23-1	
o-Xylene	ND	ug/L	100	46.0	100		08/12/11 21:46	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		100		08/12/11 21:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125		100		08/12/11 21:46	17060-07-0	
Toluene-d8 (S)	100	%	75-125		100		08/12/11 21:46	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		100		08/12/11 21:46	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-2 **Lab ID: 10165911011** Collected: 08/08/11 15:15 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9045 pH	Analytical Method: EPA 9045								
pH at 25 Degrees C	**12.5**	Std. Units	0.10	0.050	1		08/16/11 14:45		1M

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-8 **Lab ID: 10165911012** Collected: 08/08/11 16:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.9**	mg/kg	0.51	0.26	1	08/12/11 13:40	08/15/11 15:31	7440-38-2	
Barium	**29.9**	mg/kg	0.51	0.021	1	08/12/11 13:40	08/15/11 15:31	7440-39-3	
Cadmium	**0.11**	mg/kg	0.051	0.010	1	08/12/11 13:40	08/15/11 15:31	7440-43-9	
Chromium	**6.2**	mg/kg	0.51	0.072	1	08/12/11 13:40	08/15/11 15:31	7440-47-3	
Lead	**19.7**	mg/kg	0.31	0.051	1	08/12/11 13:40	08/15/11 15:31	7439-92-1	
Selenium	ND	mg/kg	0.77	0.13	1	08/12/11 13:40	08/15/11 15:31	7782-49-2	
Silver	ND	mg/kg	0.51	0.031	1	08/12/11 13:40	08/15/11 15:31	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.0017	1	08/15/11 15:41	08/16/11 14:47	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.7**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	83-32-9	
Acenaphthylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	208-96-8	
Anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	120-12-7	
Benzidine	ND	mg/kg	1.8	0.88	1	08/19/11 12:46	08/20/11 22:18	92-87-5	CL,SS
Benzo(a)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	207-08-9	
Benzoic acid	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	65-85-0	
Benzyl alcohol	ND	mg/kg	0.73	0.060	1	08/19/11 12:46	08/20/11 22:18	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 22:18	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 22:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 22:18	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 22:18	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	7005-72-3	
Chrysene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/19/11 12:46	08/20/11 22:18	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 22:18	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 22:18	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 22:18	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	120-83-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-8 **Lab ID: 10165911012** Collected: 08/08/11 16:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	117-81-7	
Fluoranthene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 22:18	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.074	1	08/19/11 12:46	08/20/11 22:18	77-47-4	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 22:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	193-39-5	
Isophorone	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 22:18	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/19/11 12:46	08/20/11 22:18	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.73	0.36	1	08/19/11 12:46	08/20/11 22:18		
Naphthalene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 22:18	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 22:18	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 22:18	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.061	1	08/19/11 12:46	08/20/11 22:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.060	1	08/19/11 12:46	08/20/11 22:18	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	86-30-6	
Pentachlorophenol	ND	mg/kg	0.74	0.37	1	08/19/11 12:46	08/20/11 22:18	87-86-5	
Phenanthrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	85-01-8	
Phenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 22:18	108-95-2	
Pyrene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	129-00-0	
Pyridine	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/19/11 12:46	08/20/11 22:18	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.94	1	08/19/11 12:46	08/20/11 22:18	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 22:18	88-06-2	
Nitrobenzene-d5 (S)	74	%	50-120		1	08/19/11 12:46	08/20/11 22:18	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-150		1	08/19/11 12:46	08/20/11 22:18	321-60-8	
Terphenyl-d14 (S)	81	%	30-150		1	08/19/11 12:46	08/20/11 22:18	1718-51-0	
Phenol-d6 (S)	71	%	30-149		1	08/19/11 12:46	08/20/11 22:18	13127-88-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-8 **Lab ID: 10165911012** Collected: 08/08/11 16:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Fluorophenol (S)	72	%	30-147		1	08/19/11 12:46	08/20/11 22:18	367-12-4	
2,4,6-Tribromophenol (S)	80	%	30-150		1	08/19/11 12:46	08/20/11 22:18	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.57	0.014	1	08/12/11 10:28	08/12/11 20:27	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.00093	1	08/12/11 10:28	08/12/11 20:27	107-05-1	
Benzene	ND	mg/kg	0.023	0.00070	1	08/12/11 10:28	08/12/11 20:27	71-43-2	
Bromobenzene	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.057	0.00082	1	08/12/11 10:28	08/12/11 20:27	75-27-4	
Bromoform	ND	mg/kg	0.23	0.00089	1	08/12/11 10:28	08/12/11 20:27	75-25-2	
Bromomethane	ND	mg/kg	0.57	0.0024	1	08/12/11 10:28	08/12/11 20:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.57	0.011	1	08/12/11 10:28	08/12/11 20:27	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.057	0.00078	1	08/12/11 10:28	08/12/11 20:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.057	0.0014	1	08/12/11 10:28	08/12/11 20:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	108-90-7	
Chloroethane	ND	mg/kg	0.57	0.0012	1	08/12/11 10:28	08/12/11 20:27	75-00-3	
Chloroform	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.00081	1	08/12/11 10:28	08/12/11 20:27	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.057	0.00099	1	08/12/11 10:28	08/12/11 20:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.0022	1	08/12/11 10:28	08/12/11 20:27	96-12-8	
Dibromochloromethane	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:27	106-93-4	
Dibromomethane	ND	mg/kg	0.057	0.0017	1	08/12/11 10:28	08/12/11 20:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.057	0.00059	1	08/12/11 10:28	08/12/11 20:27	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.057	0.0014	1	08/12/11 10:28	08/12/11 20:27	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.057	0.0014	1	08/12/11 10:28	08/12/11 20:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.057	0.00091	1	08/12/11 10:28	08/12/11 20:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.057	0.0012	1	08/12/11 10:28	08/12/11 20:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.057	0.00060	1	08/12/11 10:28	08/12/11 20:27	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.57	0.0011	1	08/12/11 10:28	08/12/11 20:27	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.0012	1	08/12/11 10:28	08/12/11 20:27	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.057	0.00090	1	08/12/11 10:28	08/12/11 20:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.0016	1	08/12/11 10:28	08/12/11 20:27	60-29-7	
Ethylbenzene	ND	mg/kg	0.057	0.00056	1	08/12/11 10:28	08/12/11 20:27	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-8 **Lab ID: 10165911012** Collected: 08/08/11 16:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.00092	1	08/12/11 10:28	08/12/11 20:27	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.057	0.00081	1	08/12/11 10:28	08/12/11 20:27	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.011	1	08/12/11 10:28	08/12/11 20:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.57	0.011	1	08/12/11 10:28	08/12/11 20:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.057	0.00091	1	08/12/11 10:28	08/12/11 20:27	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.00094	1	08/12/11 10:28	08/12/11 20:27	91-20-3	
n-Propylbenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:27	103-65-1	
Styrene	ND	mg/kg	0.057	0.00070	1	08/12/11 10:28	08/12/11 20:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.057	0.0011	1	08/12/11 10:28	08/12/11 20:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.057	0.0015	1	08/12/11 10:28	08/12/11 20:27	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.012	1	08/12/11 10:28	08/12/11 20:27	109-99-9	
Toluene	ND	mg/kg	0.057	0.00060	1	08/12/11 10:28	08/12/11 20:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.057	0.0013	1	08/12/11 10:28	08/12/11 20:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.057	0.00091	1	08/12/11 10:28	08/12/11 20:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.057	0.0010	1	08/12/11 10:28	08/12/11 20:27	79-00-5	
Trichloroethene	ND	mg/kg	0.057	0.00078	1	08/12/11 10:28	08/12/11 20:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.0014	1	08/12/11 10:28	08/12/11 20:27	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.00092	1	08/12/11 10:28	08/12/11 20:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.057	0.0012	1	08/12/11 10:28	08/12/11 20:27	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.057	0.00093	1	08/12/11 10:28	08/12/11 20:27	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.057	0.00073	1	08/12/11 10:28	08/12/11 20:27	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.0014	1	08/12/11 10:28	08/12/11 20:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.0032	1	08/12/11 10:28	08/12/11 20:27	1330-20-7	
Dibromofluoromethane (S)	124	%	30-150		1	08/12/11 10:28	08/12/11 20:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	30-150		1	08/12/11 10:28	08/12/11 20:27	17060-07-0	
Toluene-d8 (S)	115	%	30-150		1	08/12/11 10:28	08/12/11 20:27	2037-26-5	
4-Bromofluorobenzene (S)	121	%	30-150		1	08/12/11 10:28	08/12/11 20:27	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-15 **Lab ID: 10165911013** Collected: 08/08/11 16:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**13400**	mg/kg	3180	206	100	08/12/11 07:38	08/17/11 14:57		T6
n-Triacontane (S)	0	%	50-150		100	08/12/11 07:38	08/17/11 14:57		D5,S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**2110**	mg/kg	162	70.6	10	08/11/11 13:12	08/15/11 16:27		
a,a,a-Trifluorotoluene (S)	130	%	80-125		10	08/11/11 13:12	08/15/11 16:27	98-08-8	3M
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	1.5	0.76	1	08/12/11 13:40	08/15/11 15:37	7440-38-2	
Barium	**56.9**	mg/kg	1.5	0.061	1	08/12/11 13:40	08/15/11 15:37	7440-39-3	
Cadmium	**0.28**	mg/kg	0.15	0.030	1	08/12/11 13:40	08/15/11 15:37	7440-43-9	
Chromium	**2.2**	mg/kg	1.5	0.21	1	08/12/11 13:40	08/15/11 15:37	7440-47-3	
Lead	**10.8**	mg/kg	0.91	0.15	1	08/12/11 13:40	08/15/11 15:37	7439-92-1	
Selenium	**3.6**	mg/kg	2.3	0.39	1	08/12/11 13:40	08/15/11 15:37	7782-49-2	
Silver	ND	mg/kg	1.5	0.091	1	08/12/11 13:40	08/15/11 15:37	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.053	0.0042	1	08/15/11 15:41	08/16/11 14:50	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**68.6**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	83-32-9	
Acenaphthylene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	208-96-8	
Anthracene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	120-12-7	
Benzidine	ND	mg/kg	2550	1280	500	08/19/11 12:46	08/22/11 12:03	92-87-5	SS
Benzo(a)anthracene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	56-55-3	
Benzo(a)pyrene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	207-08-9	
Benzoic acid	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	65-85-0	
Benzyl alcohol	ND	mg/kg	1050	86.9	500	08/19/11 12:46	08/22/11 12:03	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	101-55-3	
Butylbenzylphthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	85-68-7	
Carbazole	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	59-50-7	
4-Chloroaniline	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	526	91.7	500	08/19/11 12:46	08/22/11 12:03	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	526	95.3	500	08/19/11 12:46	08/22/11 12:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	526	91.0	500	08/19/11 12:46	08/22/11 12:03	108-60-1	
2-Chloronaphthalene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	91-58-7	
2-Chlorophenol	ND	mg/kg	526	93.4	500	08/19/11 12:46	08/22/11 12:03	95-57-8	

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-15 **Lab ID: 10165911013** Collected: 08/08/11 16:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Chlorophenylphenyl ether	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	7005-72-3	
Chrysene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	53-70-3	
Dibenzofuran	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	526	97.6	500	08/19/11 12:46	08/22/11 12:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	526	90.4	500	08/19/11 12:46	08/22/11 12:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	526	93.1	500	08/19/11 12:46	08/22/11 12:03	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	1070	534	500	08/19/11 12:46	08/22/11 12:03	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	120-83-2	
Diethylphthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	105-67-9	
Dimethylphthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	606-20-2	
Di-n-octylphthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	117-81-7	
Fluoranthene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	206-44-0	
Fluorene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	526	102	500	08/19/11 12:46	08/22/11 12:03	87-68-3	
Hexachlorobenzene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	2710	107	500	08/19/11 12:46	08/22/11 12:03	77-47-4	
Hexachloroethane	ND	mg/kg	526	96.0	500	08/19/11 12:46	08/22/11 12:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	193-39-5	
Isophorone	ND	mg/kg	526	90.7	500	08/19/11 12:46	08/22/11 12:03	78-59-1	
1-Methylnaphthalene	**742**	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	90-12-0	
2-Methylnaphthalene	**1270**	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	526	79.9	500	08/19/11 12:46	08/22/11 12:03	95-48-7	
3&4-Methylphenol	ND	mg/kg	1050	526	500	08/19/11 12:46	08/22/11 12:03		
Naphthalene	**4040**	mg/kg	526	92.8	500	08/19/11 12:46	08/22/11 12:03	91-20-3	
2-Nitroaniline	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	88-74-4	
3-Nitroaniline	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	99-09-2	
4-Nitroaniline	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	100-01-6	
Nitrobenzene	ND	mg/kg	526	103	500	08/19/11 12:46	08/22/11 12:03	98-95-3	
2-Nitrophenol	ND	mg/kg	526	96.0	500	08/19/11 12:46	08/22/11 12:03	88-75-5	
4-Nitrophenol	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	526	88.2	500	08/19/11 12:46	08/22/11 12:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	526	86.7	500	08/19/11 12:46	08/22/11 12:03	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	86-30-6	
Pentachlorophenol	ND	mg/kg	1070	534	500	08/19/11 12:46	08/22/11 12:03	87-86-5	
Phenanthrene	**693**	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	85-01-8	
Phenol	**840**	mg/kg	526	92.3	500	08/19/11 12:46	08/22/11 12:03	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-15 **Lab ID: 10165911013** Collected: 08/08/11 16:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	129-00-0	
Pyridine	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	526	94.2	500	08/19/11 12:46	08/22/11 12:03	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2710	1360	500	08/19/11 12:46	08/22/11 12:03	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	526	263	500	08/19/11 12:46	08/22/11 12:03	88-06-2	
Nitrobenzene-d5 (S)	0	%	50-120		500	08/19/11 12:46	08/22/11 12:03	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 12:03	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 12:03	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		500	08/19/11 12:46	08/22/11 12:03	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-147		500	08/19/11 12:46	08/22/11 12:03	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 12:03	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	155	3.9	100	08/12/11 10:28	08/12/11 22:52	67-64-1	
Allyl chloride	ND	mg/kg	61.9	0.25	100	08/12/11 10:28	08/12/11 22:52	107-05-1	
Benzene	**27.9**	mg/kg	6.2	0.19	100	08/12/11 10:28	08/12/11 22:52	71-43-2	
Bromobenzene	ND	mg/kg	15.5	0.24	100	08/12/11 10:28	08/12/11 22:52	108-86-1	
Bromochloromethane	ND	mg/kg	15.5	0.36	100	08/12/11 10:28	08/12/11 22:52	74-97-5	
Bromodichloromethane	ND	mg/kg	15.5	0.22	100	08/12/11 10:28	08/12/11 22:52	75-27-4	
Bromoform	ND	mg/kg	61.9	0.24	100	08/12/11 10:28	08/12/11 22:52	75-25-2	
Bromomethane	ND	mg/kg	155	0.66	100	08/12/11 10:28	08/12/11 22:52	74-83-9	
2-Butanone (MEK)	ND	mg/kg	155	3.1	100	08/12/11 10:28	08/12/11 22:52	78-93-3	L3
n-Butylbenzene	ND	mg/kg	15.5	0.29	100	08/12/11 10:28	08/12/11 22:52	104-51-8	
sec-Butylbenzene	ND	mg/kg	15.5	0.21	100	08/12/11 10:28	08/12/11 22:52	135-98-8	
tert-Butylbenzene	ND	mg/kg	15.5	0.30	100	08/12/11 10:28	08/12/11 22:52	98-06-6	
Carbon tetrachloride	ND	mg/kg	15.5	0.37	100	08/12/11 10:28	08/12/11 22:52	56-23-5	
Chlorobenzene	ND	mg/kg	15.5	0.28	100	08/12/11 10:28	08/12/11 22:52	108-90-7	
Chloroethane	ND	mg/kg	155	0.33	100	08/12/11 10:28	08/12/11 22:52	75-00-3	
Chloroform	ND	mg/kg	15.5	0.28	100	08/12/11 10:28	08/12/11 22:52	67-66-3	
Chloromethane	ND	mg/kg	61.9	0.22	100	08/12/11 10:28	08/12/11 22:52	74-87-3	
2-Chlorotoluene	ND	mg/kg	15.5	0.29	100	08/12/11 10:28	08/12/11 22:52	95-49-8	
4-Chlorotoluene	ND	mg/kg	15.5	0.27	100	08/12/11 10:28	08/12/11 22:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	61.9	0.60	100	08/12/11 10:28	08/12/11 22:52	96-12-8	
Dibromochloromethane	ND	mg/kg	15.5	0.42	100	08/12/11 10:28	08/12/11 22:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	15.5	0.41	100	08/12/11 10:28	08/12/11 22:52	106-93-4	
Dibromomethane	ND	mg/kg	15.5	0.48	100	08/12/11 10:28	08/12/11 22:52	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	15.5	0.16	100	08/12/11 10:28	08/12/11 22:52	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	15.5	0.27	100	08/12/11 10:28	08/12/11 22:52	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	15.5	0.38	100	08/12/11 10:28	08/12/11 22:52	75-71-8	
1,1-Dichloroethane	ND	mg/kg	15.5	0.31	100	08/12/11 10:28	08/12/11 22:52	75-34-3	
1,2-Dichloroethane	ND	mg/kg	15.5	0.37	100	08/12/11 10:28	08/12/11 22:52	107-06-2	
1,1-Dichloroethene	ND	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	15.5	0.33	100	08/12/11 10:28	08/12/11 22:52	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	15.5	0.16	100	08/12/11 10:28	08/12/11 22:52	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-15 **Lab ID: 10165911013** Collected: 08/08/11 16:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	155	0.30	100	08/12/11 10:28	08/12/11 22:52	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	15.5	0.29	100	08/12/11 10:28	08/12/11 22:52	78-87-5	
1,3-Dichloropropane	ND	mg/kg	15.5	0.28	100	08/12/11 10:28	08/12/11 22:52	142-28-9	
2,2-Dichloropropane	ND	mg/kg	61.9	0.32	100	08/12/11 10:28	08/12/11 22:52	594-20-7	
1,1-Dichloropropene	ND	mg/kg	15.5	0.24	100	08/12/11 10:28	08/12/11 22:52	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	15.5	0.24	100	08/12/11 10:28	08/12/11 22:52	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	15.5	0.36	100	08/12/11 10:28	08/12/11 22:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	61.9	0.43	100	08/12/11 10:28	08/12/11 22:52	60-29-7	
Ethylbenzene	**38.5**	mg/kg	15.5	0.15	100	08/12/11 10:28	08/12/11 22:52	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	77.4	0.25	100	08/12/11 10:28	08/12/11 22:52	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	15.5	0.22	100	08/12/11 10:28	08/12/11 22:52	98-82-8	
p-Isopropyltoluene	ND	mg/kg	15.5	0.28	100	08/12/11 10:28	08/12/11 22:52	99-87-6	
Methylene Chloride	ND	mg/kg	61.9	3.1	100	08/12/11 10:28	08/12/11 22:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	155	3.1	100	08/12/11 10:28	08/12/11 22:52	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	1634-04-4	
Naphthalene	**1890**	mg/kg	61.9	0.26	100	08/12/11 10:28	08/12/11 22:52	91-20-3	
n-Propylbenzene	ND	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	103-65-1	
Styrene	ND	mg/kg	15.5	0.19	100	08/12/11 10:28	08/12/11 22:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	15.5	0.31	100	08/12/11 10:28	08/12/11 22:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	15.5	0.36	100	08/12/11 10:28	08/12/11 22:52	79-34-5	
Tetrachloroethene	ND	mg/kg	15.5	0.41	100	08/12/11 10:28	08/12/11 22:52	127-18-4	
Tetrahydrofuran	ND	mg/kg	619	3.2	100	08/12/11 10:28	08/12/11 22:52	109-99-9	
Toluene	**92.8**	mg/kg	15.5	0.16	100	08/12/11 10:28	08/12/11 22:52	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	15.5	0.35	100	08/12/11 10:28	08/12/11 22:52	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	15.5	0.27	100	08/12/11 10:28	08/12/11 22:52	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	15.5	0.28	100	08/12/11 10:28	08/12/11 22:52	79-00-5	
Trichloroethene	ND	mg/kg	15.5	0.21	100	08/12/11 10:28	08/12/11 22:52	79-01-6	
Trichlorofluoromethane	ND	mg/kg	61.9	0.37	100	08/12/11 10:28	08/12/11 22:52	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	61.9	0.25	100	08/12/11 10:28	08/12/11 22:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	15.5	0.32	100	08/12/11 10:28	08/12/11 22:52	76-13-1	
1,2,4-Trimethylbenzene	**50.1**	mg/kg	15.5	0.25	100	08/12/11 10:28	08/12/11 22:52	95-63-6	
1,3,5-Trimethylbenzene	**24.8**	mg/kg	15.5	0.20	100	08/12/11 10:28	08/12/11 22:52	108-67-8	
Vinyl chloride	ND	mg/kg	6.2	0.39	100	08/12/11 10:28	08/12/11 22:52	75-01-4	
Xylene (Total)	**150**	mg/kg	46.4	0.88	100	08/12/11 10:28	08/12/11 22:52	1330-20-7	
Dibromofluoromethane (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:52	1868-53-7	S4
1,2-Dichloroethane-d4 (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:52	17060-07-0	S4
Toluene-d8 (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:52	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	30-150		100	08/12/11 10:28	08/12/11 22:52	460-00-4	S4
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/31/11 12:11								
Benzene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	100	1		08/31/11 19:58	78-93-3	
Carbon tetrachloride	ND	ug/L	200	100	1		08/31/11 19:58	56-23-5	
Chlorobenzene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	108-90-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-05-15 **Lab ID: 10165911013** Collected: 08/08/11 16:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/31/11 12:11								
Chloroform	ND	ug/L	50.0	25.0	1		08/31/11 19:58	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	106-46-7	
1,2-Dichloroethane	ND	ug/L	50.0	25.0	1		08/31/11 19:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	127-18-4	
Trichloroethene	ND	ug/L	50.0	25.0	1		08/31/11 19:58	79-01-6	
Vinyl chloride	ND	ug/L	20.0	10.0	1		08/31/11 19:58	75-01-4	
Dibromofluoromethane (S)	105	%	75-125		1		08/31/11 19:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		08/31/11 19:58	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/31/11 19:58	2037-26-5	
4-Bromofluorobenzene (S)	91	%	75-125		1		08/31/11 19:58	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-21 **Lab ID: 10165911014** Collected: 08/08/11 17:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.9**	mg/kg	0.38	0.19	1	08/12/11 13:40	08/15/11 15:44	7440-38-2	
Barium	**57.9**	mg/kg	0.38	0.015	1	08/12/11 13:40	08/15/11 15:44	7440-39-3	
Cadmium	ND	mg/kg	0.038	0.0076	1	08/12/11 13:40	08/15/11 15:44	7440-43-9	
Chromium	**44.5**	mg/kg	0.38	0.053	1	08/12/11 13:40	08/15/11 15:44	7440-47-3	
Lead	**13.2**	mg/kg	0.23	0.038	1	08/12/11 13:40	08/15/11 15:44	7439-92-1	
Selenium	ND	mg/kg	0.57	0.099	1	08/12/11 13:40	08/15/11 15:44	7782-49-2	
Silver	ND	mg/kg	0.38	0.023	1	08/12/11 13:40	08/15/11 15:44	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.018	0.0015	1	08/15/11 15:41	08/16/11 14:52	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**7.1**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**59.1**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	83-32-9	
Acenaphthylene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	208-96-8	
Anthracene	**20.2**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	120-12-7	
Benzidine	ND	mg/kg	85.5	42.8	50	08/19/11 12:46	08/22/11 10:47	92-87-5	SS
Benzo(a)anthracene	**18.9**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	56-55-3	
Benzo(a)pyrene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	207-08-9	
Benzoic acid	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	65-85-0	
Benzyl alcohol	ND	mg/kg	35.3	2.9	50	08/19/11 12:46	08/22/11 10:47	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	101-55-3	
Butylbenzylphthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	85-68-7	
Carbazole	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	59-50-7	
4-Chloroaniline	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	17.6	3.2	50	08/19/11 12:46	08/22/11 10:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	108-60-1	
2-Chloronaphthalene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	91-58-7	
2-Chlorophenol	ND	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	7005-72-3	
Chrysene	**18.1**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	53-70-3	
Dibenzofuran	**35.4**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	17.6	3.3	50	08/19/11 12:46	08/22/11 10:47	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	17.6	3.0	50	08/19/11 12:46	08/22/11 10:47	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	35.8	17.9	50	08/19/11 12:46	08/22/11 10:47	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	120-83-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-21 **Lab ID: 10165911014** Collected: 08/08/11 17:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Diethylphthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	105-67-9	
Dimethylphthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	606-20-2	
Di-n-octylphthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	117-81-7	
Fluoranthene	**78.8**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	206-44-0	
Fluorene	**44.4**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	17.6	3.4	50	08/19/11 12:46	08/22/11 10:47	87-68-3	
Hexachlorobenzene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	90.9	3.6	50	08/19/11 12:46	08/22/11 10:47	77-47-4	
Hexachloroethane	ND	mg/kg	17.6	3.2	50	08/19/11 12:46	08/22/11 10:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	193-39-5	
Isophorone	ND	mg/kg	17.6	3.0	50	08/19/11 12:46	08/22/11 10:47	78-59-1	
1-Methylnaphthalene	**23.5**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	90-12-0	
2-Methylnaphthalene	**44.1**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	17.6	2.7	50	08/19/11 12:46	08/22/11 10:47	95-48-7	
3&4-Methylphenol	ND	mg/kg	35.3	17.6	50	08/19/11 12:46	08/22/11 10:47		
Naphthalene	**154**	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	91-20-3	
2-Nitroaniline	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	88-74-4	
3-Nitroaniline	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	99-09-2	
4-Nitroaniline	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	100-01-6	
Nitrobenzene	ND	mg/kg	17.6	3.4	50	08/19/11 12:46	08/22/11 10:47	98-95-3	
2-Nitrophenol	ND	mg/kg	17.6	3.2	50	08/19/11 12:46	08/22/11 10:47	88-75-5	
4-Nitrophenol	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	17.6	3.0	50	08/19/11 12:46	08/22/11 10:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	17.6	2.9	50	08/19/11 12:46	08/22/11 10:47	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	86-30-6	
Pentachlorophenol	ND	mg/kg	35.8	17.9	50	08/19/11 12:46	08/22/11 10:47	87-86-5	
Phenanthrene	**151**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	85-01-8	
Phenol	ND	mg/kg	17.6	3.1	50	08/19/11 12:46	08/22/11 10:47	108-95-2	
Pyrene	**58.7**	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	129-00-0	
Pyridine	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	17.6	3.2	50	08/19/11 12:46	08/22/11 10:47	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	90.9	45.4	50	08/19/11 12:46	08/22/11 10:47	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	17.6	8.8	50	08/19/11 12:46	08/22/11 10:47	88-06-2	
Nitrobenzene-d5 (S)	0	%	50-120		50	08/19/11 12:46	08/22/11 10:47	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 10:47	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 10:47	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		50	08/19/11 12:46	08/22/11 10:47	13127-88-3	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-21 **Lab ID: 10165911014** Collected: 08/08/11 17:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Fluorophenol (S)	0	%	30-147		50	08/19/11 12:46	08/22/11 10:47	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 10:47	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	5.3	0.13	10	08/12/11 10:28	08/12/11 23:33	67-64-1	
Allyl chloride	ND	mg/kg	2.1	0.0087	10	08/12/11 10:28	08/12/11 23:33	107-05-1	
Benzene	ND	mg/kg	0.21	0.0066	10	08/12/11 10:28	08/12/11 23:33	71-43-2	
Bromobenzene	ND	mg/kg	0.53	0.0084	10	08/12/11 10:28	08/12/11 23:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.53	0.012	10	08/12/11 10:28	08/12/11 23:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.53	0.0077	10	08/12/11 10:28	08/12/11 23:33	75-27-4	
Bromoform	ND	mg/kg	2.1	0.0083	10	08/12/11 10:28	08/12/11 23:33	75-25-2	
Bromomethane	ND	mg/kg	5.3	0.023	10	08/12/11 10:28	08/12/11 23:33	74-83-9	
2-Butanone (MEK)	ND	mg/kg	5.3	0.11	10	08/12/11 10:28	08/12/11 23:33	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.53	0.010	10	08/12/11 10:28	08/12/11 23:33	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.53	0.0073	10	08/12/11 10:28	08/12/11 23:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.53	0.010	10	08/12/11 10:28	08/12/11 23:33	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.53	0.013	10	08/12/11 10:28	08/12/11 23:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.53	0.0095	10	08/12/11 10:28	08/12/11 23:33	108-90-7	
Chloroethane	ND	mg/kg	5.3	0.011	10	08/12/11 10:28	08/12/11 23:33	75-00-3	
Chloroform	ND	mg/kg	0.53	0.0097	10	08/12/11 10:28	08/12/11 23:33	67-66-3	
Chloromethane	ND	mg/kg	2.1	0.0075	10	08/12/11 10:28	08/12/11 23:33	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.53	0.010	10	08/12/11 10:28	08/12/11 23:33	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.53	0.0092	10	08/12/11 10:28	08/12/11 23:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	2.1	0.021	10	08/12/11 10:28	08/12/11 23:33	96-12-8	
Dibromochloromethane	ND	mg/kg	0.53	0.014	10	08/12/11 10:28	08/12/11 23:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.53	0.014	10	08/12/11 10:28	08/12/11 23:33	106-93-4	
Dibromomethane	ND	mg/kg	0.53	0.016	10	08/12/11 10:28	08/12/11 23:33	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.53	0.0055	10	08/12/11 10:28	08/12/11 23:33	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.53	0.0087	10	08/12/11 10:28	08/12/11 23:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.53	0.0094	10	08/12/11 10:28	08/12/11 23:33	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.53	0.013	10	08/12/11 10:28	08/12/11 23:33	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.53	0.011	10	08/12/11 10:28	08/12/11 23:33	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.53	0.013	10	08/12/11 10:28	08/12/11 23:33	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.53	0.0085	10	08/12/11 10:28	08/12/11 23:33	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.53	0.011	10	08/12/11 10:28	08/12/11 23:33	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.53	0.0056	10	08/12/11 10:28	08/12/11 23:33	156-60-5	
Dichlorofluoromethane	ND	mg/kg	5.3	0.010	10	08/12/11 10:28	08/12/11 23:33	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.53	0.0099	10	08/12/11 10:28	08/12/11 23:33	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.53	0.0095	10	08/12/11 10:28	08/12/11 23:33	142-28-9	
2,2-Dichloropropane	ND	mg/kg	2.1	0.011	10	08/12/11 10:28	08/12/11 23:33	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.53	0.0084	10	08/12/11 10:28	08/12/11 23:33	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.53	0.0084	10	08/12/11 10:28	08/12/11 23:33	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.53	0.012	10	08/12/11 10:28	08/12/11 23:33	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	2.1	0.015	10	08/12/11 10:28	08/12/11 23:33	60-29-7	
Ethylbenzene	**1.5**	mg/kg	0.53	0.0052	10	08/12/11 10:28	08/12/11 23:33	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-21 **Lab ID: 10165911014** Collected: 08/08/11 17:00 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	2.7	0.0086	10	08/12/11 10:28	08/12/11 23:33	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.53	0.0075	10	08/12/11 10:28	08/12/11 23:33	98-82-8	
p-Isopropyltoluene	**0.55**	mg/kg	0.53	0.0097	10	08/12/11 10:28	08/12/11 23:33	99-87-6	
Methylene Chloride	ND	mg/kg	2.1	0.11	10	08/12/11 10:28	08/12/11 23:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	5.3	0.11	10	08/12/11 10:28	08/12/11 23:33	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.53	0.0085	10	08/12/11 10:28	08/12/11 23:33	1634-04-4	
Naphthalene	**637**	mg/kg	21.3	0.088	100	08/12/11 10:28	08/14/11 17:09	91-20-3	
n-Propylbenzene	ND	mg/kg	0.53	0.0087	10	08/12/11 10:28	08/12/11 23:33	103-65-1	
Styrene	ND	mg/kg	0.53	0.0066	10	08/12/11 10:28	08/12/11 23:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.53	0.011	10	08/12/11 10:28	08/12/11 23:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.53	0.012	10	08/12/11 10:28	08/12/11 23:33	79-34-5	
Tetrachloroethene	ND	mg/kg	0.53	0.014	10	08/12/11 10:28	08/12/11 23:33	127-18-4	
Tetrahydrofuran	ND	mg/kg	21.3	0.11	10	08/12/11 10:28	08/12/11 23:33	109-99-9	
Toluene	ND	mg/kg	0.53	0.0056	10	08/12/11 10:28	08/12/11 23:33	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.53	0.012	10	08/12/11 10:28	08/12/11 23:33	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.53	0.0085	10	08/12/11 10:28	08/12/11 23:33	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.53	0.0094	10	08/12/11 10:28	08/12/11 23:33	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.53	0.0095	10	08/12/11 10:28	08/12/11 23:33	79-00-5	
Trichloroethene	ND	mg/kg	0.53	0.0073	10	08/12/11 10:28	08/12/11 23:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	2.1	0.013	10	08/12/11 10:28	08/12/11 23:33	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	2.1	0.0086	10	08/12/11 10:28	08/12/11 23:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.53	0.011	10	08/12/11 10:28	08/12/11 23:33	76-13-1	
1,2,4-Trimethylbenzene	**2.6**	mg/kg	0.53	0.0087	10	08/12/11 10:28	08/12/11 23:33	95-63-6	
1,3,5-Trimethylbenzene	**1.2**	mg/kg	0.53	0.0068	10	08/12/11 10:28	08/12/11 23:33	108-67-8	
Vinyl chloride	ND	mg/kg	0.21	0.013	10	08/12/11 10:28	08/12/11 23:33	75-01-4	
Xylene (Total)	**4.8**	mg/kg	1.6	0.030	10	08/12/11 10:28	08/12/11 23:33	1330-20-7	
Dibromofluoromethane (S)	106	%	30-150		10	08/12/11 10:28	08/12/11 23:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	30-150		10	08/12/11 10:28	08/12/11 23:33	17060-07-0	
Toluene-d8 (S)	88	%	30-150		10	08/12/11 10:28	08/12/11 23:33	2037-26-5	
4-Bromofluorobenzene (S)	86	%	30-150		10	08/12/11 10:28	08/12/11 23:33	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-8 **Lab ID: 10165911015** Collected: 08/08/11 17:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2**	mg/kg	0.50	0.25	1	08/12/11 13:40	08/15/11 15:57	7440-38-2	
Barium	**30.7**	mg/kg	0.50	0.020	1	08/12/11 13:40	08/15/11 15:57	7440-39-3	
Cadmium	**0.061**	mg/kg	0.050	0.0099	1	08/12/11 13:40	08/15/11 15:57	7440-43-9	
Chromium	**10**	mg/kg	0.50	0.069	1	08/12/11 13:40	08/15/11 15:57	7440-47-3	
Lead	**14.6**	mg/kg	0.30	0.050	1	08/12/11 13:40	08/15/11 15:57	7439-92-1	
Selenium	ND	mg/kg	0.74	0.13	1	08/12/11 13:40	08/15/11 15:57	7782-49-2	
Silver	ND	mg/kg	0.50	0.030	1	08/12/11 13:40	08/15/11 15:57	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.017	0.0014	1	08/15/11 15:41	08/16/11 14:54	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**10.8**	%	0.10	0.10	1		08/16/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**21.7**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	83-32-9	
Acenaphthylene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	208-96-8	
Anthracene	**12.0**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	120-12-7	
Benzidine	ND	mg/kg	35.5	17.8	20	08/19/11 12:46	08/22/11 12:29	92-87-5	SS
Benzo(a)anthracene	**12.9**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	56-55-3	
Benzo(a)pyrene	**9.7**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	50-32-8	
Benzo(b)fluoranthene	**14.5**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	207-08-9	
Benzoic acid	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	65-85-0	
Benzyl alcohol	ND	mg/kg	14.6	1.2	20	08/19/11 12:46	08/22/11 12:29	100-51-6	
4-Bromophenylphenyl ether	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	101-55-3	
Butylbenzylphthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	85-68-7	
Carbazole	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	59-50-7	
4-Chloroaniline	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	108-60-1	
2-Chloronaphthalene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	91-58-7	
2-Chlorophenol	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	7005-72-3	
Chrysene	**16.7**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	53-70-3	
Dibenzofuran	**7.9**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	7.3	1.4	20	08/19/11 12:46	08/22/11 12:29	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	14.9	7.4	20	08/19/11 12:46	08/22/11 12:29	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	120-83-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-8 **Lab ID: 10165911015** Collected: 08/08/11 17:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Diethylphthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	105-67-9	
Dimethylphthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	606-20-2	
Di-n-octylphthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	117-81-7	
Fluoranthene	**51.8**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	206-44-0	
Fluorene	**12.0**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	7.3	1.4	20	08/19/11 12:46	08/22/11 12:29	87-68-3	
Hexachlorobenzene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	118-74-1	
Hexachlorocyclopentadiene	ND	mg/kg	37.7	1.5	20	08/19/11 12:46	08/22/11 12:29	77-47-4	
Hexachloroethane	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	193-39-5	
Isophorone	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	78-59-1	
1-Methylnaphthalene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	90-12-0	
2-Methylnaphthalene	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	7.3	1.1	20	08/19/11 12:46	08/22/11 12:29	95-48-7	
3&4-Methylphenol	ND	mg/kg	14.6	7.3	20	08/19/11 12:46	08/22/11 12:29		
Naphthalene	**13.4**	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	91-20-3	
2-Nitroaniline	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	88-74-4	
3-Nitroaniline	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	99-09-2	
4-Nitroaniline	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	100-01-6	
Nitrobenzene	ND	mg/kg	7.3	1.4	20	08/19/11 12:46	08/22/11 12:29	98-95-3	
2-Nitrophenol	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	88-75-5	
4-Nitrophenol	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	7.3	1.2	20	08/19/11 12:46	08/22/11 12:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	7.3	1.2	20	08/19/11 12:46	08/22/11 12:29	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	86-30-6	
Pentachlorophenol	ND	mg/kg	14.9	7.4	20	08/19/11 12:46	08/22/11 12:29	87-86-5	
Phenanthrene	**33.9**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	85-01-8	
Phenol	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	108-95-2	
Pyrene	**37.3**	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	129-00-0	
Pyridine	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	110-86-1	
1,2,4-Trichlorobenzene	ND	mg/kg	7.3	1.3	20	08/19/11 12:46	08/22/11 12:29	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	37.7	18.9	20	08/19/11 12:46	08/22/11 12:29	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	7.3	3.7	20	08/19/11 12:46	08/22/11 12:29	88-06-2	
Nitrobenzene-d5 (S)	0	%	50-120		20	08/19/11 12:46	08/22/11 12:29	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		20	08/19/11 12:46	08/22/11 12:29	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		20	08/19/11 12:46	08/22/11 12:29	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		20	08/19/11 12:46	08/22/11 12:29	13127-88-3	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-8 **Lab ID: 10165911015** Collected: 08/08/11 17:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Fluorophenol (S)	0	%	30-147		20	08/19/11 12:46	08/22/11 12:29	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		20	08/19/11 12:46	08/22/11 12:29	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	5.6	0.14	10	08/12/11 10:28	08/12/11 22:11	67-64-1	
Allyl chloride	ND	mg/kg	2.3	0.0092	10	08/12/11 10:28	08/12/11 22:11	107-05-1	
Benzene	ND	mg/kg	0.23	0.0070	10	08/12/11 10:28	08/12/11 22:11	71-43-2	
Bromobenzene	ND	mg/kg	0.56	0.0089	10	08/12/11 10:28	08/12/11 22:11	108-86-1	
Bromochloromethane	ND	mg/kg	0.56	0.013	10	08/12/11 10:28	08/12/11 22:11	74-97-5	
Bromodichloromethane	ND	mg/kg	0.56	0.0081	10	08/12/11 10:28	08/12/11 22:11	75-27-4	
Bromoform	ND	mg/kg	2.3	0.0088	10	08/12/11 10:28	08/12/11 22:11	75-25-2	
Bromomethane	ND	mg/kg	5.6	0.024	10	08/12/11 10:28	08/12/11 22:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	5.6	0.11	10	08/12/11 10:28	08/12/11 22:11	78-93-3	L3
n-Butylbenzene	ND	mg/kg	0.56	0.011	10	08/12/11 10:28	08/12/11 22:11	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.56	0.0078	10	08/12/11 10:28	08/12/11 22:11	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.56	0.011	10	08/12/11 10:28	08/12/11 22:11	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.56	0.014	10	08/12/11 10:28	08/12/11 22:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	108-90-7	
Chloroethane	ND	mg/kg	5.6	0.012	10	08/12/11 10:28	08/12/11 22:11	75-00-3	
Chloroform	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	67-66-3	
Chloromethane	ND	mg/kg	2.3	0.0080	10	08/12/11 10:28	08/12/11 22:11	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.56	0.011	10	08/12/11 10:28	08/12/11 22:11	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.56	0.0098	10	08/12/11 10:28	08/12/11 22:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	2.3	0.022	10	08/12/11 10:28	08/12/11 22:11	96-12-8	
Dibromochloromethane	ND	mg/kg	0.56	0.015	10	08/12/11 10:28	08/12/11 22:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.56	0.015	10	08/12/11 10:28	08/12/11 22:11	106-93-4	
Dibromomethane	ND	mg/kg	0.56	0.017	10	08/12/11 10:28	08/12/11 22:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.56	0.0059	10	08/12/11 10:28	08/12/11 22:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.56	0.0092	10	08/12/11 10:28	08/12/11 22:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.56	0.0099	10	08/12/11 10:28	08/12/11 22:11	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.56	0.014	10	08/12/11 10:28	08/12/11 22:11	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.56	0.011	10	08/12/11 10:28	08/12/11 22:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.56	0.013	10	08/12/11 10:28	08/12/11 22:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.56	0.0090	10	08/12/11 10:28	08/12/11 22:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.56	0.012	10	08/12/11 10:28	08/12/11 22:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.56	0.0060	10	08/12/11 10:28	08/12/11 22:11	156-60-5	
Dichlorofluoromethane	ND	mg/kg	5.6	0.011	10	08/12/11 10:28	08/12/11 22:11	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	142-28-9	
2,2-Dichloropropane	ND	mg/kg	2.3	0.012	10	08/12/11 10:28	08/12/11 22:11	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.56	0.0089	10	08/12/11 10:28	08/12/11 22:11	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.56	0.0089	10	08/12/11 10:28	08/12/11 22:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.56	0.013	10	08/12/11 10:28	08/12/11 22:11	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	2.3	0.016	10	08/12/11 10:28	08/12/11 22:11	60-29-7	
Ethylbenzene	ND	mg/kg	0.56	0.0055	10	08/12/11 10:28	08/12/11 22:11	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10165911

Sample: GP-06-8 **Lab ID: 10165911015** Collected: 08/08/11 17:10 Received: 08/09/11 10:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	2.8	0.0091	10	08/12/11 10:28	08/12/11 22:11	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.56	0.0080	10	08/12/11 10:28	08/12/11 22:11	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	99-87-6	
Methylene Chloride	ND	mg/kg	2.3	0.11	10	08/12/11 10:28	08/12/11 22:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	5.6	0.11	10	08/12/11 10:28	08/12/11 22:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.56	0.0090	10	08/12/11 10:28	08/12/11 22:11	1634-04-4	
Naphthalene	**248**	mg/kg	4.5	0.019	20	08/12/11 10:28	08/14/11 16:48	91-20-3	
n-Propylbenzene	ND	mg/kg	0.56	0.0092	10	08/12/11 10:28	08/12/11 22:11	103-65-1	
Styrene	ND	mg/kg	0.56	0.0070	10	08/12/11 10:28	08/12/11 22:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.56	0.011	10	08/12/11 10:28	08/12/11 22:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.56	0.013	10	08/12/11 10:28	08/12/11 22:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.56	0.015	10	08/12/11 10:28	08/12/11 22:11	127-18-4	
Tetrahydrofuran	ND	mg/kg	22.5	0.12	10	08/12/11 10:28	08/12/11 22:11	109-99-9	
Toluene	ND	mg/kg	0.56	0.0060	10	08/12/11 10:28	08/12/11 22:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.56	0.013	10	08/12/11 10:28	08/12/11 22:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.56	0.0090	10	08/12/11 10:28	08/12/11 22:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.56	0.0099	10	08/12/11 10:28	08/12/11 22:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.56	0.010	10	08/12/11 10:28	08/12/11 22:11	79-00-5	
Trichloroethene	ND	mg/kg	0.56	0.0078	10	08/12/11 10:28	08/12/11 22:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	2.3	0.013	10	08/12/11 10:28	08/12/11 22:11	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	2.3	0.0091	10	08/12/11 10:28	08/12/11 22:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.56	0.012	10	08/12/11 10:28	08/12/11 22:11	76-13-1	
1,2,4-Trimethylbenzene	**1.7**	mg/kg	0.56	0.0092	10	08/12/11 10:28	08/12/11 22:11	95-63-6	
1,3,5-Trimethylbenzene	**0.81**	mg/kg	0.56	0.0072	10	08/12/11 10:28	08/12/11 22:11	108-67-8	
Vinyl chloride	ND	mg/kg	0.23	0.014	10	08/12/11 10:28	08/12/11 22:11	75-01-4	
Xylene (Total)	ND	mg/kg	1.7	0.032	10	08/12/11 10:28	08/12/11 22:11	1330-20-7	
Dibromofluoromethane (S)	112	%	30-150		10	08/12/11 10:28	08/12/11 22:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	30-150		10	08/12/11 10:28	08/12/11 22:11	17060-07-0	
Toluene-d8 (S)	92	%	30-150		10	08/12/11 10:28	08/12/11 22:11	2037-26-5	
4-Bromofluorobenzene (S)	89	%	30-150		10	08/12/11 10:28	08/12/11 22:11	460-00-4	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: OEXT/16315 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911013

METHOD BLANK: 1031867 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	08/17/11 14:09	
n-Triacontane (S)	%	93	50-150	08/17/11 14:09	

LABORATORY CONTROL SAMPLE & LCSD: 1031868 1031869

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	61.4	75.7	77	95	70-120	21	20	D6
n-Triacontane (S)	%				80	87	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: OEXT/16677 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO Solid GCV
Associated Lab Samples: 10165911001, 10165911005, 10165911006

METHOD BLANK: 1056748 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911005, 10165911006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	10.0	09/19/11 12:06	
n-Triacontane (S)	%	65	38-125	09/19/11 12:06	

LABORATORY CONTROL SAMPLE & LCSD: 1056749 1056750

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	50.9	52.3	64	65	70-125	3	20	C0,L0
n-Triacontane (S)	%				72	75	38-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: OEXT/16300 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10165911002, 10165911004, 10165911010

METHOD BLANK: 1030884 Matrix: Water
Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	ug/L	ND	100	08/15/11 11:42	
n-Triacontane (S)	%	113	50-150	08/15/11 11:42	

LABORATORY CONTROL SAMPLE & LCSD: 1030885 1030886

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	ug/L	2000	2270	1700	113	85	75-115	29	20	D6
n-Triacontane (S)	%				130	87	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: GCV/8290 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911013

METHOD BLANK: 1031272 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/12/11 17:21	
a,a,a-Trifluorotoluene (S)	%	100	80-125	08/12/11 17:21	

LABORATORY CONTROL SAMPLE & LCSD: 1031273 1031274

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	53.3	52.9	107	106	80-120	.9	20	
a,a,a-Trifluorotoluene (S)	%				100	99	80-125			

MATRIX SPIKE SAMPLE: 1031275

Parameter	Units	10165911009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	603	55	648	83	80-120	
a,a,a-Trifluorotoluene (S)	%				130	80-125	3M

SAMPLE DUPLICATE: 1031276

Parameter	Units	10165911013 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	2110	2220	5	20	
a,a,a-Trifluorotoluene (S)	%	130	126	7		3M

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: GCV/8289
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10165911002

METHOD BLANK: 1031065 Matrix: Water
Associated Lab Samples: 10165911002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/11/11 10:36	
a,a,a-Trifluorotoluene (S)	%	102	80-125	08/11/11 10:36	

LABORATORY CONTROL SAMPLE & LCSD: 1031066 1031067

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	1010	960	101	96	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-125			

MATRIX SPIKE SAMPLE: 1031092

Parameter	Units	10166111032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	1150	115	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-125	

SAMPLE DUPLICATE: 1031091

Parameter	Units	10166111030 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.01		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: GCV/8295
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10165911004

METHOD BLANK: 1032324 Matrix: Water
Associated Lab Samples: 10165911004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/15/11 13:20	
a,a,a-Trifluorotoluene (S)	%	102	80-125	08/15/11 13:20	

LABORATORY CONTROL SAMPLE & LCSD: 1032325 1032326

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	984	941	98	94	80-120	4	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033644 1033645

Parameter	Units	10166267002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	ug/L	10700	10000	10000	19400	21000	87	102	80-120	8	20	
a,a,a-Trifluorotoluene (S)	%						103	101	80-125			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: GCV/8300 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10165911010

METHOD BLANK: 1034287 Matrix: Water
Associated Lab Samples: 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/16/11 15:01	
a,a,a-Trifluorotoluene (S)	%	101	80-125	08/16/11 15:01	

LABORATORY CONTROL SAMPLE & LCSD: 1034288 1034289

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	969	987	97	99	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-125			

MATRIX SPIKE SAMPLE: 1035208

Parameter	Units	10166490002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	925	1000	1730	81	80-120	
a,a,a-Trifluorotoluene (S)	%				101	80-125	

SAMPLE DUPLICATE: 1035207

Parameter	Units	10166490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	102	101	.6		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MPRP/27669 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

METHOD BLANK: 1031148 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.47	08/15/11 14:19	
Barium	mg/kg	ND	0.47	08/15/11 14:19	
Cadmium	mg/kg	ND	0.047	08/15/11 14:19	
Chromium	mg/kg	ND	0.47	08/15/11 14:19	
Lead	mg/kg	ND	0.28	08/15/11 14:19	
Selenium	mg/kg	ND	0.70	08/15/11 14:19	
Silver	mg/kg	ND	0.47	08/15/11 14:19	

LABORATORY CONTROL SAMPLE: 1031149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	49	40.0	82	80-120	
Barium	mg/kg	49	42.9	88	80-120	
Cadmium	mg/kg	49	40.3	82	80-120	
Chromium	mg/kg	49	42.7	87	80-120	
Lead	mg/kg	49	41.7	85	80-120	
Selenium	mg/kg	49	39.7	81	80-120	
Silver	mg/kg	24.5	20.5	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031150 1031151

Parameter	Units	10165911001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.6	48.7	51.5	42.3	46.7	82	86	75-125	10	30	
Barium	mg/kg	25.0	48.7	51.5	66.6	74.4	86	96	75-125	11	30	
Cadmium	mg/kg	0.070	48.7	51.5	41.0	44.0	84	85	75-125	7	30	
Chromium	mg/kg	5.3	48.7	51.5	43.7	49.2	79	85	75-125	12	30	
Lead	mg/kg	7.0	48.7	51.5	43.4	48.2	75	80	75-125	11	30	
Selenium	mg/kg	ND	48.7	51.5	38.9	43.2	80	84	75-125	10	30	
Silver	mg/kg	ND	24.3	25.8	21.2	22.7	87	88	75-125	7	30	

MATRIX SPIKE SAMPLE: 1031152

Parameter	Units	10166111031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	7.5	61.3	56.3	80	75-125	
Barium	mg/kg	98.0	61.3	170	118	75-125	
Cadmium	mg/kg	0.43	61.3	50.8	82	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE SAMPLE: 1031152

Parameter	Units	10166111031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	13.3	61.3	64.7	84	75-125	
Lead	mg/kg	19.2	61.3	66.0	76	75-125	
Selenium	mg/kg	ND	61.3	49.3	80	75-125	
Silver	mg/kg	ND	30.7	25.8	84	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MPRP/27742 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 10165911002, 10165911004, 10165911010

METHOD BLANK: 1033272 Matrix: Water
Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	08/15/11 17:28	
Barium, Dissolved	ug/L	ND	10.0	08/15/11 17:28	
Cadmium, Dissolved	ug/L	ND	1.0	08/15/11 17:28	
Chromium, Dissolved	ug/L	ND	10.0	08/15/11 17:28	
Lead, Dissolved	ug/L	ND	3.0	08/15/11 17:28	
Selenium, Dissolved	ug/L	ND	15.0	08/15/11 17:28	
Silver, Dissolved	ug/L	ND	10.0	08/15/11 17:28	

LABORATORY CONTROL SAMPLE: 1033273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	901	90	80-120	
Barium, Dissolved	ug/L	1000	909	91	80-120	
Cadmium, Dissolved	ug/L	1000	901	90	80-120	
Chromium, Dissolved	ug/L	1000	903	90	80-120	
Lead, Dissolved	ug/L	1000	887	89	80-120	
Selenium, Dissolved	ug/L	1000	867	87	80-120	
Silver, Dissolved	ug/L	500	456	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033274 1033275

Parameter	Units	10165911002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	983	987	98	98	80-120	.4	30	
Barium, Dissolved	ug/L	654	1000	1000	1520	1530	87	87	80-120	.6	30	
Cadmium, Dissolved	ug/L	ND	1000	1000	931	933	93	93	80-120	.2	30	
Chromium, Dissolved	ug/L	ND	1000	1000	871	872	87	87	80-120	.1	30	
Lead, Dissolved	ug/L	ND	1000	1000	822	828	82	83	80-120	.8	30	
Selenium, Dissolved	ug/L	ND	1000	1000	903	904	90	90	80-120	.1	30	
Silver, Dissolved	ug/L	ND	500	500	500	499	100	100	80-120	.1	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MERP/5788 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 10165911002, 10165911004, 10165911010

METHOD BLANK: 1031857 Matrix: Water
Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	08/12/11 15:00	

LABORATORY CONTROL SAMPLE: 1031858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031859 1031860

Parameter	Units	10165911002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.8	4.7	93	92	80-120	.8	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MERP/5786 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

METHOD BLANK: 1031847 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.019	08/16/11 14:21	

LABORATORY CONTROL SAMPLE: 1031848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.45	0.45	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031849 1031850

Parameter	Units	10165911001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.53	.52	0.54	0.54	100	103	80-120	.9	20	

MATRIX SPIKE SAMPLE: 1031851

Parameter	Units	10166204009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.54	0.34	61	80-120	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MPRP/27779 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009

SAMPLE DUPLICATE: 1034463

Parameter	Units	10165725001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	19.7	.9	30	

SAMPLE DUPLICATE: 1034464

Parameter	Units	10166449012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.5	10.2	2	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MPRP/27780 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10165911012, 10165911013, 10165911014, 10165911015

SAMPLE DUPLICATE: 1034500

Parameter	Units	10165526001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.1	2.2	4	30	

SAMPLE DUPLICATE: 1034547

Parameter	Units	10166114001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	43.9	44.2	.5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: OEXT/16393 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

METHOD BLANK: 1036707 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/20/11 16:26	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1-Methylnaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/20/11 16:26	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/20/11 16:26	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/20/11 16:26	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/20/11 16:26	
2-Chloronaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2-Chlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2-Methylnaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/20/11 16:26	
2-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
2-Nitrophenol	mg/kg	ND	0.33	08/20/11 16:26	
3&4-Methylphenol	mg/kg	ND	0.66	08/20/11 16:26	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/20/11 16:26	
3-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/20/11 16:26	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/20/11 16:26	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/20/11 16:26	
4-Chloroaniline	mg/kg	ND	0.33	08/20/11 16:26	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/20/11 16:26	
4-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
4-Nitrophenol	mg/kg	ND	1.7	08/20/11 16:26	
Acenaphthene	mg/kg	ND	0.33	08/20/11 16:26	
Acenaphthylene	mg/kg	ND	0.33	08/20/11 16:26	
Anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Benzidine	mg/kg	ND	1.6	08/20/11 16:26	CL,SS
Benzo(a)anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(a)pyrene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
Benzoic acid	mg/kg	ND	1.7	08/20/11 16:26	
Benzyl alcohol	mg/kg	ND	0.66	08/20/11 16:26	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/20/11 16:26	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

METHOD BLANK: 1036707 Matrix: Solid

Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/20/11 16:26	
Butylbenzylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Carbazole	mg/kg	ND	0.33	08/20/11 16:26	
Chrysene	mg/kg	ND	0.33	08/20/11 16:26	
Di-n-butylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Di-n-octylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Dibenzofuran	mg/kg	ND	0.33	08/20/11 16:26	
Diethylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Dimethylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
Fluorene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachlorocyclopentadiene	mg/kg	ND	1.7	08/20/11 16:26	
Hexachloroethane	mg/kg	ND	0.33	08/20/11 16:26	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/20/11 16:26	
Isophorone	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/20/11 16:26	
Naphthalene	mg/kg	ND	0.33	08/20/11 16:26	
Nitrobenzene	mg/kg	ND	0.33	08/20/11 16:26	
Pentachlorophenol	mg/kg	ND	0.67	08/20/11 16:26	
Phenanthrene	mg/kg	ND	0.33	08/20/11 16:26	
Phenol	mg/kg	ND	0.33	08/20/11 16:26	
Pyrene	mg/kg	ND	0.33	08/20/11 16:26	
Pyridine	mg/kg	ND	1.7	08/20/11 16:26	
2,4,6-Tribromophenol (S)	%	95	30-150	08/20/11 16:26	
2-Fluorobiphenyl (S)	%	88	30-150	08/20/11 16:26	
2-Fluorophenol (S)	%	84	30-147	08/20/11 16:26	
Nitrobenzene-d5 (S)	%	85	50-120	08/20/11 16:26	
Phenol-d6 (S)	%	84	30-149	08/20/11 16:26	
Terphenyl-d14 (S)	%	99	30-150	08/20/11 16:26	

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.1	66	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.1	65	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.2J	69	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.1	66	57-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	1.7	1.1	64	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.1	66	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.2J	71	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.1	69	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.1	68	62-125	
2,4-Dimethylphenol	mg/kg	1.7	1.1	65	44-125	
2,4-Dinitrophenol	mg/kg	1.7	ND	50	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.1	66	63-125	
2,6-Dinitrotoluene	mg/kg	1.7	1.1	66	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.2	70	64-125	
2-Chlorophenol	mg/kg	1.7	1.1	63	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.1	68	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.1	65	57-125	
2-Nitroaniline	mg/kg	1.7	1.1J	68	63-125	
2-Nitrophenol	mg/kg	1.7	1.1	69	57-125	
3&4-Methylphenol	mg/kg	1.7	1.0	62	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.0	60	30-125	
3-Nitroaniline	mg/kg	1.7	.91J	55	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	.97J	58	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.2	70	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.1	66	66-125	
4-Chloroaniline	mg/kg	1.7	0.76	46	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.1	68	67-125	
4-Nitroaniline	mg/kg	1.7	1.1J	65	54-125	
4-Nitrophenol	mg/kg	1.7	1J	62	51-125	
Acenaphthene	mg/kg	1.7	1.2	69	64-125	
Acenaphthylene	mg/kg	1.7	1.1	68	65-125	
Anthracene	mg/kg	1.7	1.1	66	66-125	
Benzidine	mg/kg	1.7	ND	34	30-125	CL,SS
Benzo(a)anthracene	mg/kg	1.7	1.1	67	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.2	70	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	69	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.2	69	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.2	70	68-125	
Benzoic acid	mg/kg	1.7	ND	42	30-125	
Benzyl alcohol	mg/kg	1.7	0.99	59	58-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.1	66	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.0	62	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.0	62	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.1	69	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.2	69	65-125	
Carbazole	mg/kg	1.7	1.1	66	65-125	
Chrysene	mg/kg	1.7	1.2	71	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.1	69	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.2	69	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.1	69	66-125	
Dibenzofuran	mg/kg	1.7	1.1	68	66-125	
Diethylphthalate	mg/kg	1.7	1.2	69	68-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethylphthalate	mg/kg	1.7	1.1	67	68-125	L0
Fluoranthene	mg/kg	1.7	1.1	69	65-125	
Fluorene	mg/kg	1.7	1.1	68	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.2	69	60-125	
Hexachlorobenzene	mg/kg	1.7	1.1	68	67-125	
Hexachlorocyclopentadiene	mg/kg	1.7	1.1J	69	30-125	
Hexachloroethane	mg/kg	1.7	1.1	65	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.2	69	66-125	
Isophorone	mg/kg	1.7	1.1	67	61-125	
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.0	62	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.1	65	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.1	67	66-125	
Naphthalene	mg/kg	1.7	1.1	67	61-125	
Nitrobenzene	mg/kg	1.7	1.1	65	59-125	
Pentachlorophenol	mg/kg	1.7	0.95	57	30-126	
Phenanthrene	mg/kg	1.7	1.1	68	68-125	
Phenol	mg/kg	1.7	1.1	64	58-125	
Pyrene	mg/kg	1.7	1.2	71	66-125	
Pyridine	mg/kg	1.7	.89J	53	30-125	
2,4,6-Tribromophenol (S)	%			79	30-150	
2-Fluorobiphenyl (S)	%			78	30-150	
2-Fluorophenol (S)	%			71	30-147	
Nitrobenzene-d5 (S)	%			74	50-120	
Phenol-d6 (S)	%			73	30-149	
Terphenyl-d14 (S)	%			77	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036709 1036710

Parameter	Units	10165911003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	68	65	30-138	4	30	
1,2-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	67	64	30-125	6	30	
1,2-Diphenylhydrazine	mg/kg	ND	3.7	3.7	2.5J	2.4J	70	67	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	67	64	30-126	5	30	
1,4-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.3	2.2	65	61	30-130	5	30	
1-Methylnaphthalene	mg/kg	ND	3.7	3.7	2.5	2.3	69	65	30-144	6	30	
2,4,5-Trichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	6	1	30-150		30	M1
2,4,6-Trichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	7	1	30-150		30	M1
2,4-Dichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	9	2	30-147		30	M1
2,4-Dimethylphenol	mg/kg	ND	3.7	3.7	2.3	2.2	65	60	30-150	8	30	
2,4-Dinitrophenol	mg/kg	ND	3.7	3.7	ND	ND	21	0	30-133		30	M1
2,4-Dinitrotoluene	mg/kg	ND	3.7	3.7	2.4	2.3	67	65	30-150	4	30	
2,6-Dinitrotoluene	mg/kg	ND	3.7	3.7	2.4	2.4	67	67	30-150	1	30	
2-Chloronaphthalene	mg/kg	ND	3.7	3.7	2.6	2.4	72	68	30-150	6	30	
2-Chlorophenol	mg/kg	ND	3.7	3.7	.56J	ND	16	4	30-133		30	M1
2-Methylnaphthalene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-141	3	30	
2-Methylphenol(o-Cresol)	mg/kg	ND	3.7	3.7	2.3	1.7	65	47	30-140	31	30	D6

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036709 1036710

Parameter	Units	10165911003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Nitroaniline	mg/kg	ND	3.7	3.7	2.5J	2.4J	70	66	30-150		30	
2-Nitrophenol	mg/kg	ND	3.7	3.7	.25J	ND	7	0	30-141		30	M1
3&4-Methylphenol	mg/kg	ND	3.7	3.7	1.9	1.2J	54	35	30-147		30	
3,3'-Dichlorobenzidine	mg/kg	ND	3.7	3.7	1.6	1.5	45	43	30-132	7	30	
3-Nitroaniline	mg/kg	ND	3.7	3.7	1.9J	1.9J	53	52	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	3.7	3.7	ND	ND	22	13	30-147		30	M1
4-Bromophenylphenyl ether	mg/kg	ND	3.7	3.7	2.5	2.5	70	69	30-150	2	30	
4-Chloro-3-methylphenol	mg/kg	ND	3.7	3.7	1.7	0.95	49	27	30-150	59	30	D6,M1
4-Chloroaniline	mg/kg	ND	3.7	3.7	1.3	1.2	35	32	30-150	8	30	
4-Chlorophenylphenyl ether	mg/kg	ND	3.7	3.7	2.5	2.3	69	65	30-150	7	30	
4-Nitroaniline	mg/kg	ND	3.7	3.7	2.5J	2.3J	70	64	30-145		30	
4-Nitrophenol	mg/kg	ND	3.7	3.7	ND	ND	0	0	30-150		30	M1
Acenaphthene	mg/kg	ND	3.7	3.7	2.6	2.4	72	68	30-149	6	30	
Acenaphthylene	mg/kg	ND	3.7	3.7	2.5	2.4	71	67	30-150	6	30	
Anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	2	30	
Benzidine	mg/kg	ND	3.7	3.7	ND	ND	44	40	30-125		30	CL,SS
Benzo(a)anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	3	30	
Benzo(a)pyrene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	3	30	
Benzo(b)fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	1	30	
Benzo(g,h,i)perylene	mg/kg	ND	3.7	3.7	2.4	2.4	68	67	30-150	2	30	
Benzo(k)fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	71	68	30-150	4	30	
Benzoic acid	mg/kg	ND	3.7	3.7	ND	ND	0	0	30-125		30	M1
Benzyl alcohol	mg/kg	ND	3.7	3.7	2.5	2.3	68	63	51-125	8	30	
bis(2-Chloroethoxy)methane	mg/kg	ND	3.7	3.7	2.4	2.3	68	65	30-142	4	30	
bis(2-Chloroethyl) ether	mg/kg	ND	3.7	3.7	2.4	2.2	66	62	30-130	6	30	
bis(2-Chloroisopropyl) ether	mg/kg	ND	3.7	3.7	2.3	2.3	65	63	30-140	4	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	3.7	3.7	2.5	2.5	70	69	30-150	1	30	
Butylbenzylphthalate	mg/kg	ND	3.7	3.7	2.6	2.4	71	68	30-150	5	30	
Carbazole	mg/kg	ND	3.7	3.7	2.5	2.4	68	67	30-150	2	30	
Chrysene	mg/kg	ND	3.7	3.7	2.6	2.5	72	69	30-150	5	30	
Di-n-butylphthalate	mg/kg	ND	3.7	3.7	2.5	2.5	69	69	30-150	.7	30	
Di-n-octylphthalate	mg/kg	ND	3.7	3.7	2.5	2.5	71	69	30-150	3	30	
Dibenz(a,h)anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	3	30	
Dibenzofuran	mg/kg	ND	3.7	3.7	2.5	2.4	70	66	30-150	6	30	
Diethylphthalate	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	4	30	
Dimethylphthalate	mg/kg	ND	3.7	3.7	2.5	2.4	70	67	30-150	5	30	
Fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	3	30	
Fluorene	mg/kg	ND	3.7	3.7	2.5	2.3	69	66	30-150	5	30	
Hexachloro-1,3-butadiene	mg/kg	ND	3.7	3.7	2.5	2.4	70	67	30-140	4	30	
Hexachlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.4	67	66	30-150	2	30	
Hexachlorocyclopentadiene	mg/kg	ND	3.7	3.7	2.3J	2.2J	65	63	30-125		30	
Hexachloroethane	mg/kg	ND	3.7	3.7	2.4	2.3	67	63	30-133	7	30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	3.7	3.7	2.4	2.4	67	66	30-150	1	30	
Isophorone	mg/kg	ND	3.7	3.7	2.4	2.3	67	65	30-145	4	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	3.7	3.7	2.4	2.2	65	62	30-140	5	30	
N-Nitrosodimethylamine	mg/kg	ND	3.7	3.7	2.4	2.3	68	63	30-134	7	30	
N-Nitrosodiphenylamine	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	2	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036709 1036710

Parameter	Units	10165911003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Naphthalene	mg/kg	ND	3.7	3.7	2.5	2.4	68	66	30-136	3	30	
Nitrobenzene	mg/kg	ND	3.7	3.7	2.5	2.4	71	66	30-141	6	30	
Pentachlorophenol	mg/kg	ND	3.7	3.7	ND	ND	7	0	30-150		30	M1
Phenanthrene	mg/kg	ND	3.7	3.7	2.5	2.4	70	68	30-150	3	30	
Phenol	mg/kg	ND	3.7	3.7	1.4	.52J	38	15	30-135		30	M1
Pyrene	mg/kg	ND	3.7	3.7	2.6	2.5	72	70	30-150	3	30	
Pyridine	mg/kg	ND	3.7	3.7	2J	1.9J	55	52	30-125		30	
2,4,6-Tribromophenol (S)	%						5	1	30-150			S0
2-Fluorobiphenyl (S)	%						81	76	30-150			
2-Fluorophenol (S)	%						4	1	30-147			S0
Nitrobenzene-d5 (S)	%						79	74	50-120			
Phenol-d6 (S)	%						31	14	30-149			S0
Terphenyl-d14 (S)	%						79	75	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: OEXT/16326 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10165911002, 10165911004, 10165911010

METHOD BLANK: 1032469 Matrix: Water
Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/13/11 14:05	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/13/11 14:05	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/13/11 14:05	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/13/11 14:05	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/13/11 14:05	
1-Methylnaphthalene	ug/L	ND	10.0	08/13/11 14:05	
2,4,5-Trichlorophenol	ug/L	ND	50.0	08/13/11 14:05	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/13/11 14:05	
2,4-Dichlorophenol	ug/L	ND	10.0	08/13/11 14:05	
2,4-Dimethylphenol	ug/L	ND	10.0	08/13/11 14:05	
2,4-Dinitrophenol	ug/L	ND	50.0	08/13/11 14:05	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/13/11 14:05	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/13/11 14:05	
2-Chloronaphthalene	ug/L	ND	10.0	08/13/11 14:05	
2-Chlorophenol	ug/L	ND	10.0	08/13/11 14:05	
2-Methylnaphthalene	ug/L	ND	10.0	08/13/11 14:05	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/13/11 14:05	
2-Nitroaniline	ug/L	ND	50.0	08/13/11 14:05	
2-Nitrophenol	ug/L	ND	10.0	08/13/11 14:05	
3&4-Methylphenol	ug/L	ND	20.0	08/13/11 14:05	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/13/11 14:05	
3-Nitroaniline	ug/L	ND	50.0	08/13/11 14:05	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/13/11 14:05	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/13/11 14:05	
4-Chloro-3-methylphenol	ug/L	ND	10.0	08/13/11 14:05	
4-Chloroaniline	ug/L	ND	50.0	08/13/11 14:05	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/13/11 14:05	
4-Nitroaniline	ug/L	ND	50.0	08/13/11 14:05	
4-Nitrophenol	ug/L	ND	50.0	08/13/11 14:05	
Acenaphthene	ug/L	ND	10.0	08/13/11 14:05	
Acenaphthylene	ug/L	ND	10.0	08/13/11 14:05	
Anthracene	ug/L	ND	10.0	08/13/11 14:05	
Benzo(a)anthracene	ug/L	ND	10.0	08/13/11 14:05	
Benzo(a)pyrene	ug/L	ND	10.0	08/13/11 14:05	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/13/11 14:05	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/13/11 14:05	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/13/11 14:05	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/13/11 14:05	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/13/11 14:05	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/13/11 14:05	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/13/11 14:05	
Butylbenzylphthalate	ug/L	ND	10.0	08/13/11 14:05	
Carbazole	ug/L	ND	10.0	08/13/11 14:05	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

METHOD BLANK: 1032469 Matrix: Water

Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	10.0	08/13/11 14:05	
Di-n-butylphthalate	ug/L	ND	10.0	08/13/11 14:05	
Di-n-octylphthalate	ug/L	ND	10.0	08/13/11 14:05	
Dibenz(a,h)anthracene	ug/L	ND	20.0	08/13/11 14:05	
Dibenzofuran	ug/L	ND	10.0	08/13/11 14:05	
Diethylphthalate	ug/L	ND	10.0	08/13/11 14:05	
Dimethylphthalate	ug/L	ND	10.0	08/13/11 14:05	
Fluoranthene	ug/L	ND	10.0	08/13/11 14:05	
Fluorene	ug/L	ND	10.0	08/13/11 14:05	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/13/11 14:05	
Hexachlorobenzene	ug/L	ND	10.0	08/13/11 14:05	
Hexachloroethane	ug/L	ND	10.0	08/13/11 14:05	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/13/11 14:05	
Isophorone	ug/L	ND	10.0	08/13/11 14:05	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/13/11 14:05	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/13/11 14:05	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/13/11 14:05	
Naphthalene	ug/L	ND	10.0	08/13/11 14:05	
Nitrobenzene	ug/L	ND	10.0	08/13/11 14:05	
Pentachlorophenol	ug/L	ND	23.0	08/13/11 14:05	
Phenanthrene	ug/L	ND	10.0	08/13/11 14:05	
Phenol	ug/L	ND	10.0	08/13/11 14:05	
Pyrene	ug/L	ND	10.0	08/13/11 14:05	
2,4,6-Tribromophenol (S)	%	106	30-150	08/13/11 14:05	
2-Fluorobiphenyl (S)	%	93	30-150	08/13/11 14:05	
2-Fluorophenol (S)	%	90	30-148	08/13/11 14:05	
Nitrobenzene-d5 (S)	%	99	30-150	08/13/11 14:05	
Phenol-d6 (S)	%	91	30-150	08/13/11 14:05	
Terphenyl-d14 (S)	%	99	30-150	08/13/11 14:05	

LABORATORY CONTROL SAMPLE & LCSD: 1032470 1032471

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	41.0	39.2	82	78	68-125	4	20	
1,2-Dichlorobenzene	ug/L	50	38.9	37.4	78	75	67-125	4	20	
1,2-Diphenylhydrazine	ug/L	50	46.2	47.1	92	94	76-125	2	20	
1,3-Dichlorobenzene	ug/L	50	38.7	36.9	77	74	66-125	5	20	
1,4-Dichlorobenzene	ug/L	50	38.1	36.7	76	73	67-125	4	20	
1-Methylnaphthalene	ug/L	50	40.7	40.9	81	82	74-125	.4	20	
2,4,5-Trichlorophenol	ug/L	50	45.6J	45.3J	91	91	72-125		20	
2,4,6-Trichlorophenol	ug/L	50	43.8	44.1	88	88	73-125	.8	20	
2,4-Dichlorophenol	ug/L	50	43.2	42.0	86	84	70-125	3	20	
2,4-Dimethylphenol	ug/L	50	39.4	40.6	79	81	48-125	3	20	
2,4-Dinitrophenol	ug/L	50	37.3J	38.1J	75	76	30-143		20	
2,4-Dinitrotoluene	ug/L	50	45.3	45.6	91	91	74-125	.6	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE & LCSD: 1032470 1032471

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,6-Dinitrotoluene	ug/L	50	43.2	42.7	86	85	74-125	1	20	
2-Chloronaphthalene	ug/L	50	42.5	42.4	85	85	74-125	.4	20	
2-Chlorophenol	ug/L	50	39.3	37.7	79	75	65-125	4	20	
2-Methylnaphthalene	ug/L	50	41.5	41.0	83	82	71-125	1	20	
2-Methylphenol(o-Cresol)	ug/L	50	39.1	38.3	78	77	65-125	2	20	
2-Nitroaniline	ug/L	50	45.2J	45.8J	90	92	69-126		20	
2-Nitrophenol	ug/L	50	41.5	40.4	83	81	66-125	3	20	
3&4-Methylphenol	ug/L	50	38.6	38.7	77	77	67-125	.3	20	
3,3'-Dichlorobenzidine	ug/L	50	43.7	45.1	87	90	75-130	3	20	
3-Nitroaniline	ug/L	50	43.6J	44.1J	87	88	68-127		20	
4,6-Dinitro-2-methylphenol	ug/L	50	40.5J	41.1J	81	82	55-130		20	
4-Bromophenylphenyl ether	ug/L	50	44.8	45.6	90	91	75-125	2	20	
4-Chloro-3-methylphenol	ug/L	50	43.2	44.0	86	88	75-125	2	20	
4-Chloroaniline	ug/L	50	40.6J	40.6J	81	81	56-125		20	
4-Chlorophenylphenyl ether	ug/L	50	45.6	46.0	91	92	75-125	1	20	
4-Nitroaniline	ug/L	50	41.4J	40.5J	83	81	70-125		20	
4-Nitrophenol	ug/L	50	42.7J	43.8J	85	88	57-127		20	
Acenaphthene	ug/L	50	42.5	43.4	85	87	74-125	2	20	
Acenaphthylene	ug/L	50	43.3	42.9	87	86	74-125	1	20	
Anthracene	ug/L	50	44.4	44.7	89	89	73-125	.7	20	
Benzo(a)anthracene	ug/L	50	42.1	42.3	84	85	75-125	.5	20	
Benzo(a)pyrene	ug/L	50	43.3	44.3	87	89	75-125	2	20	
Benzo(b)fluoranthene	ug/L	50	43.1	44.3	86	89	75-125	3	20	
Benzo(g,h,i)perylene	ug/L	50	44.1	44.7	88	89	75-125	1	20	
Benzo(k)fluoranthene	ug/L	50	44.5	44.4	89	89	75-125	.3	20	
bis(2-Chloroethoxy)methane	ug/L	50	39.9	38.9	80	78	68-125	3	20	
bis(2-Chloroethyl) ether	ug/L	50	37.5	36.9	75	74	63-125	2	20	
bis(2-Chloroisopropyl) ether	ug/L	50	35.5	34.3	71	69	42-138	3	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	46.1	46.8	92	94	75-125	2	20	
Butylbenzylphthalate	ug/L	50	41.9	42.3	84	85	75-125	.9	20	
Carbazole	ug/L	50	43.3	43.7	87	87	70-125	.8	20	
Chrysene	ug/L	50	41.5	41.8	83	84	75-125	.8	20	
Di-n-butylphthalate	ug/L	50	47.0	47.3	94	95	72-125	.8	20	
Di-n-octylphthalate	ug/L	50	47.1	47.8	94	96	75-125	1	20	
Dibenz(a,h)anthracene	ug/L	50	44.4	45.4	89	91	75-125	2	20	
Dibenzofuran	ug/L	50	43.8	43.7	88	87	75-125	.4	20	
Diethylphthalate	ug/L	50	45.5	45.9	91	92	73-125	1	20	
Dimethylphthalate	ug/L	50	44.6	44.7	89	89	75-125	.2	20	
Fluoranthene	ug/L	50	45.8	46.1	92	92	75-125	.5	20	
Fluorene	ug/L	50	45.5	45.7	91	91	75-125	.5	20	
Hexachloro-1,3-butadiene	ug/L	50	45.7	43.1	91	86	66-125	6	20	
Hexachlorobenzene	ug/L	50	44.3	43.7	89	87	74-125	1	20	
Hexachloroethane	ug/L	50	40.8	38.4	82	77	63-125	6	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	44.3	45.2	89	90	75-125	2	20	
Isophorone	ug/L	50	42.5	42.3	85	85	72-125	.5	20	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	39.5	82	79	68-125	3	20	
N-Nitrosodimethylamine	ug/L	50	38.4	35.6	77	71	55-125	8	20	
N-Nitrosodiphenylamine	ug/L	50	43.4	44.2	87	88	74-125	2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE & LCSD: 1032470 1032471

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	50	40.9	39.7	82	79	68-125	3	20	
Nitrobenzene	ug/L	50	42.6	40.8	85	82	67-125	4	20	
Pentachlorophenol	ug/L	50	44.1	45.0	88	90	48-132	2	20	
Phenanthrene	ug/L	50	44.2	44.0	88	88	75-125	.5	20	
Phenol	ug/L	50	37.9	37.3	76	75	63-125	2	20	
Pyrene	ug/L	50	41.5	41.3	83	83	75-125	.4	20	
2,4,6-Tribromophenol (S)	%				94	92	30-150			
2-Fluorobiphenyl (S)	%				85	82	30-150			
2-Fluorophenol (S)	%				77	72	30-148			
Nitrobenzene-d5 (S)	%				85	80	30-150			
Phenol-d6 (S)	%				77	73	30-150			
Terphenyl-d14 (S)	%				81	78	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MSV/17637 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

METHOD BLANK: 1032060 Matrix: Solid
Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1-Dichloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,1-Dichloroethene	mg/kg	ND	0.050	08/12/11 16:19	
1,1-Dichloropropene	mg/kg	ND	0.050	08/12/11 16:19	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/12/11 16:19	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/12/11 16:19	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/12/11 16:19	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,2-Dichloroethane	mg/kg	ND	0.050	08/12/11 16:19	
1,2-Dichloropropane	mg/kg	ND	0.050	08/12/11 16:19	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
1,3-Dichloropropane	mg/kg	ND	0.050	08/12/11 16:19	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
2,2-Dichloropropane	mg/kg	ND	0.20	08/12/11 16:19	
2-Butanone (MEK)	mg/kg	ND	0.50	08/12/11 16:19	
2-Chlorotoluene	mg/kg	ND	0.050	08/12/11 16:19	
4-Chlorotoluene	mg/kg	ND	0.050	08/12/11 16:19	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/12/11 16:19	
Acetone	mg/kg	ND	0.50	08/12/11 16:19	
Allyl chloride	mg/kg	ND	0.20	08/12/11 16:19	
Benzene	mg/kg	ND	0.020	08/12/11 16:19	
Bromobenzene	mg/kg	ND	0.050	08/12/11 16:19	
Bromochloromethane	mg/kg	ND	0.050	08/12/11 16:19	
Bromodichloromethane	mg/kg	ND	0.050	08/12/11 16:19	
Bromoform	mg/kg	ND	0.20	08/12/11 16:19	
Bromomethane	mg/kg	ND	0.50	08/12/11 16:19	
Carbon tetrachloride	mg/kg	ND	0.050	08/12/11 16:19	
Chlorobenzene	mg/kg	ND	0.050	08/12/11 16:19	
Chloroethane	mg/kg	ND	0.50	08/12/11 16:19	
Chloroform	mg/kg	ND	0.050	08/12/11 16:19	
Chloromethane	mg/kg	ND	0.20	08/12/11 16:19	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/12/11 16:19	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/12/11 16:19	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

METHOD BLANK: 1032060 Matrix: Solid

Associated Lab Samples: 10165911001, 10165911003, 10165911005, 10165911006, 10165911007, 10165911008, 10165911009, 10165911012, 10165911013, 10165911014, 10165911015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	ND	0.050	08/12/11 16:19	
Dibromomethane	mg/kg	ND	0.050	08/12/11 16:19	
Dichlorodifluoromethane	mg/kg	ND	0.050	08/12/11 16:19	
Dichlorofluoromethane	mg/kg	ND	0.50	08/12/11 16:19	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/12/11 16:19	
Ethylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/12/11 16:19	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/12/11 16:19	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/12/11 16:19	
Methylene Chloride	mg/kg	ND	0.20	08/12/11 16:19	
n-Butylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
n-Propylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
Naphthalene	mg/kg	ND	0.20	08/12/11 16:19	
p-Isopropyltoluene	mg/kg	ND	0.050	08/12/11 16:19	
sec-Butylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
Styrene	mg/kg	ND	0.050	08/12/11 16:19	
tert-Butylbenzene	mg/kg	ND	0.050	08/12/11 16:19	
Tetrachloroethene	mg/kg	ND	0.050	08/12/11 16:19	
Tetrahydrofuran	mg/kg	ND	2.0	08/12/11 16:19	
Toluene	mg/kg	ND	0.050	08/12/11 16:19	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/12/11 16:19	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/12/11 16:19	
Trichloroethene	mg/kg	ND	0.050	08/12/11 16:19	
Trichlorofluoromethane	mg/kg	ND	0.20	08/12/11 16:19	
Vinyl chloride	mg/kg	ND	0.020	08/12/11 16:19	
Xylene (Total)	mg/kg	ND	0.15	08/12/11 16:19	
1,2-Dichloroethane-d4 (S)	%	116	30-150	08/12/11 16:19	
4-Bromofluorobenzene (S)	%	126	30-150	08/12/11 16:19	
Dibromofluoromethane (S)	%	123	30-150	08/12/11 16:19	
Toluene-d8 (S)	%	118	30-150	08/12/11 16:19	

LABORATORY CONTROL SAMPLE & LCSD: 1032061 1032062

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	1.0	0.96	100	96	75-125	4	20	
1,1,1-Trichloroethane	mg/kg	1	0.98	0.95	98	95	75-126	3	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.0	1.0	103	102	75-125	.6	20	
1,1,2-Trichloroethane	mg/kg	1	1.0	0.99	103	99	75-125	3	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	1.0	0.93	104	93	62-150	11	20	
1,1-Dichloroethane	mg/kg	1	1.0	0.98	101	98	75-130	3	20	
1,1-Dichloroethene	mg/kg	1	0.98	0.93	98	93	67-142	5	20	
1,1-Dichloropropene	mg/kg	1	1.0	1.0	103	102	73-136	2	20	
1,2,3-Trichlorobenzene	mg/kg	1	1.0	1.0	104	105	75-125	.8	20	
1,2,3-Trichloropropane	mg/kg	1	0.97	0.92	97	92	75-125	4	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE & LCSD: 1032061 1032062

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1	1.1	1.1	108	107	75-125	.9	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.97	0.94	97	94	75-125	3	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	1.0	0.94	101	94	66-125	7	20	
1,2-Dibromoethane (EDB)	mg/kg	1	1.0	1.0	103	100	75-125	3	20	
1,2-Dichlorobenzene	mg/kg	1	1.0	1.0	102	100	75-125	2	20	
1,2-Dichloroethane	mg/kg	1	0.99	0.95	99	95	75-125	4	20	
1,2-Dichloropropane	mg/kg	1	1.0	1.0	103	101	75-126	2	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.98	0.95	98	95	75-125	4	20	
1,3-Dichlorobenzene	mg/kg	1	1.0	1.0	102	102	75-125	.6	20	
1,3-Dichloropropane	mg/kg	1	1.0	1.0	104	101	75-125	3	20	
1,4-Dichlorobenzene	mg/kg	1	0.99	0.97	99	97	75-125	2	20	
2,2-Dichloropropane	mg/kg	1	1.1	1.0	109	103	43-137	5	20	
2-Butanone (MEK)	mg/kg	1	1.4	1.1	145	112	63-129	25	20	D6,L0
2-Chlorotoluene	mg/kg	1	1.1	1.1	110	107	75-125	2	20	
4-Chlorotoluene	mg/kg	1	1.1	1.1	107	107	75-125	.3	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.0	0.99	104	99	70-125	5	20	
Acetone	mg/kg	2.5	2.3	2.4	92	95	64-138	3	20	
Allyl chloride	mg/kg	1	1.1	1.0	113	104	73-134	8	20	
Benzene	mg/kg	1	1.0	1.0	103	102	75-125	.6	20	
Bromobenzene	mg/kg	1	1.1	1.0	105	103	75-125	2	20	
Bromochloromethane	mg/kg	1	1.1	1.0	106	101	75-129	5	20	
Bromodichloromethane	mg/kg	1	1.0	1.0	103	101	75-125	2	20	
Bromoform	mg/kg	1	1.0	0.99	102	99	62-125	2	20	
Bromomethane	mg/kg	1	1.2	1.1	116	110	53-150	6	20	
Carbon tetrachloride	mg/kg	1	1.1	1.1	111	105	72-127	5	20	
Chlorobenzene	mg/kg	1	0.98	0.96	98	96	75-125	3	20	
Chloroethane	mg/kg	1	0.99	1.0	99	100	36-150	1	20	
Chloroform	mg/kg	1	1.0	0.96	100	96	75-126	4	20	
Chloromethane	mg/kg	1	0.88	0.93	88	93	57-140	4	20	
cis-1,2-Dichloroethene	mg/kg	1	1.0	1.0	104	102	75-131	1	20	
cis-1,3-Dichloropropene	mg/kg	1	1.1	1.0	107	104	75-125	3	20	
Dibromochloromethane	mg/kg	1	1.0	1.0	104	101	75-125	3	20	
Dibromomethane	mg/kg	1	1.0	0.96	100	96	75-125	5	20	
Dichlorodifluoromethane	mg/kg	1	0.79	0.79	79	79	30-150	.4	20	
Dichlorofluoromethane	mg/kg	1	0.75	0.69	75	69	72-133	8	20	CH,L0
Diethyl ether (Ethyl ether)	mg/kg	1	1.1	1.0	106	101	59-150	5	20	
Ethylbenzene	mg/kg	1	1.0	1.0	105	100	75-129	5	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.53	0.48	105	97	69-137	8	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.1	1.1	109	106	75-130	3	20	
Methyl-tert-butyl ether	mg/kg	1	1.1	1.0	105	102	73-128	4	20	
Methylene Chloride	mg/kg	1	1.0	0.98	101	98	68-128	3	20	
n-Butylbenzene	mg/kg	1	1.1	1.1	112	108	75-128	3	20	
n-Propylbenzene	mg/kg	1	1.1	1.1	112	108	75-126	3	20	
Naphthalene	mg/kg	1	0.95	0.94	95	94	75-125	1	20	
p-Isopropyltoluene	mg/kg	1	1.0	0.98	101	98	75-125	3	20	
sec-Butylbenzene	mg/kg	1	1.1	1.1	111	106	75-128	5	20	
Styrene	mg/kg	1	1.1	1.1	111	107	75-125	4	20	
tert-Butylbenzene	mg/kg	1	0.99	0.97	99	97	75-126	1	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE & LCSD: 1032061 1032062

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	mg/kg	1	1.0	1.0	104	101	73-132	3	20	
Tetrahydrofuran	mg/kg	10	10.6	10.1	106	101	63-134	4	20	
Toluene	mg/kg	1	1.0	1.0	104	101	74-128	2	20	
trans-1,2-Dichloroethene	mg/kg	1	1.0	1.0	104	100	75-136	4	20	
trans-1,3-Dichloropropene	mg/kg	1	1.1	1.1	110	106	71-125	4	20	
Trichloroethene	mg/kg	1	1.0	0.98	102	98	75-131	4	20	
Trichlorofluoromethane	mg/kg	1	0.90	0.91	90	91	65-148	1	20	
Vinyl chloride	mg/kg	1	1.0	1.0	100	100	58-146	.5	20	
Xylene (Total)	mg/kg	3	3.2	3.1	107	102	73-129	4	20	
1,2-Dichloroethane-d4 (S)	%				104	102	30-150			
4-Bromofluorobenzene (S)	%				113	113	30-150			
Dibromofluoromethane (S)	%				111	109	30-150			
Toluene-d8 (S)	%				108	109	30-150			

MATRIX SPIKE SAMPLE: 1032063

Parameter	Units	10165911007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	102	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.1	1.1	99	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.1	1.2	105	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.1	1.1	100	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.1	1.1	100	38-150	
1,1-Dichloroethane	mg/kg	ND	1.1	1.1	100	59-139	
1,1-Dichloroethene	mg/kg	ND	1.1	1.1	97	44-150	
1,1-Dichloropropene	mg/kg	ND	1.1	1.1	105	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.1	1.2	110	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.1	1.0	95	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.1	1.2	110	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.1	1.1	98	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.1	1.2	105	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.1	1.1	103	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.1	1.1	104	61-129	
1,2-Dichloroethane	mg/kg	ND	1.1	1.1	97	57-137	
1,2-Dichloropropane	mg/kg	ND	1.1	1.2	106	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.1	1.1	98	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.1	1.2	105	59-133	
1,3-Dichloropropane	mg/kg	ND	1.1	1.2	106	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.1	1.1	101	56-135	
2,2-Dichloropropane	mg/kg	ND	1.1	1.2	105	30-150	
2-Butanone (MEK)	mg/kg	ND	1.1	1.3	120	43-147	
2-Chlorotoluene	mg/kg	ND	1.1	1.2	109	54-144	
4-Chlorotoluene	mg/kg	ND	1.1	1.2	108	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.1	1.1	103	51-136	
Acetone	mg/kg	ND	2.7	2.8	100	40-147	
Allyl chloride	mg/kg	ND	1.1	1.1	104	58-136	
Benzene	mg/kg	ND	1.1	1.2	105	53-138	
Bromobenzene	mg/kg	ND	1.1	1.2	107	56-133	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE SAMPLE: 1032063

Parameter	Units	10165911007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	mg/kg	ND	1.1	1.2	109	58-139	
Bromodichloromethane	mg/kg	ND	1.1	1.1	103	59-129	
Bromoform	mg/kg	ND	1.1	1.2	105	36-137	
Bromomethane	mg/kg	ND	1.1	1.3	119	30-150	
Carbon tetrachloride	mg/kg	ND	1.1	1.2	107	42-150	
Chlorobenzene	mg/kg	ND	1.1	1.1	101	60-134	
Chloroethane	mg/kg	ND	1.1	1.1	101	30-150	
Chloroform	mg/kg	ND	1.1	1.1	99	59-138	
Chloromethane	mg/kg	ND	1.1	1.0	95	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.1	1.1	102	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.1	1.2	106	55-135	
Dibromochloromethane	mg/kg	ND	1.1	1.2	108	47-136	
Dibromomethane	mg/kg	ND	1.1	1.1	102	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.1	0.89	81	30-150	
Dichlorofluoromethane	mg/kg	ND	1.1	0.75	69	56-142	CH
Diethyl ether (Ethyl ether)	mg/kg	ND	1.1	1.1	104	53-142	
Ethylbenzene	mg/kg	ND	1.1	1.1	103	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.55	0.57	103	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.1	1.2	111	58-140	
Methyl-tert-butyl ether	mg/kg	ND	1.1	1.2	107	56-132	
Methylene Chloride	mg/kg	ND	1.1	1.1	100	48-137	
n-Butylbenzene	mg/kg	ND	1.1	1.2	113	50-150	
n-Propylbenzene	mg/kg	ND	1.1	1.2	110	64-142	
Naphthalene	mg/kg	0.35	1.1	1.4	97	44-139	
p-Isopropyltoluene	mg/kg	ND	1.1	1.1	101	54-145	
sec-Butylbenzene	mg/kg	ND	1.1	1.2	111	72-135	
Styrene	mg/kg	ND	1.1	1.2	111	57-135	
tert-Butylbenzene	mg/kg	ND	1.1	1.1	100	58-148	
Tetrachloroethene	mg/kg	ND	1.1	1.2	105	54-141	
Tetrahydrofuran	mg/kg	ND	11	11.9	108	52-137	
Toluene	mg/kg	ND	1.1	1.2	106	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.1	1.2	106	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.1	1.2	110	57-130	
Trichloroethene	mg/kg	ND	1.1	1.1	103	51-142	
Trichlorofluoromethane	mg/kg	ND	1.1	1.0	94	50-150	
Vinyl chloride	mg/kg	ND	1.1	1.1	104	55-133	
Xylene (Total)	mg/kg	ND	3.3	3.6	109	52-141	
1,2-Dichloroethane-d4 (S)	%				98	30-150	
4-Bromofluorobenzene (S)	%				107	30-150	
Dibromofluoromethane (S)	%				104	30-150	
Toluene-d8 (S)	%				103	30-150	

SAMPLE DUPLICATE: 1032064

Parameter	Units	10165911013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

SAMPLE DUPLICATE: 1032064

Parameter	Units	10165911013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	50.1	56.6	12	30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	24.8	26.5	7	30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	27.9	42.3	41	30	D6
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	38.5	41.3	7	30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

SAMPLE DUPLICATE: 1032064

Parameter	Units	10165911013 Result	Dup Result	RPD	Max RPD	Qualifiers
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	1890	1890	.3	30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	92.8	122	27	30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	150	181	18	30	
1,2-Dichloroethane-d4 (S)	%	0	0			S4
4-Bromofluorobenzene (S)	%	0	0			S4
Dibromofluoromethane (S)	%	0	0			S4
Toluene-d8 (S)	%	0	0			S4

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MSV/17823
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 10165911013

METHOD BLANK: 1045596 Matrix: Water
Associated Lab Samples: 10165911013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	08/31/11 18:04	
1,2-Dichloroethane	ug/L	ND	50.0	08/31/11 18:04	
1,4-Dichlorobenzene	ug/L	ND	50.0	08/31/11 18:04	
2-Butanone (MEK)	ug/L	ND	200	08/31/11 18:04	
Benzene	ug/L	ND	50.0	08/31/11 18:04	
Carbon tetrachloride	ug/L	ND	200	08/31/11 18:04	
Chlorobenzene	ug/L	ND	50.0	08/31/11 18:04	
Chloroform	ug/L	ND	50.0	08/31/11 18:04	
Tetrachloroethene	ug/L	ND	50.0	08/31/11 18:04	
Trichloroethene	ug/L	ND	50.0	08/31/11 18:04	
Vinyl chloride	ug/L	ND	20.0	08/31/11 18:04	
1,2-Dichloroethane-d4 (S)	%	98	70-130	08/31/11 18:04	
4-Bromofluorobenzene (S)	%	93	75-125	08/31/11 18:04	
Dibromofluoromethane (S)	%	104	75-125	08/31/11 18:04	
Toluene-d8 (S)	%	101	75-125	08/31/11 18:04	

LABORATORY CONTROL SAMPLE: 1045597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	2500	2700	108	75-125	
1,2-Dichloroethane	ug/L	2500	2570	103	71-127	
1,4-Dichlorobenzene	ug/L	2500	2640	106	75-125	
2-Butanone (MEK)	ug/L	2500	2020	81	70-130	
Benzene	ug/L	2500	3140	126	75-127	
Carbon tetrachloride	ug/L	2500	2510	101	75-125	
Chlorobenzene	ug/L	2500	2880	115	75-125	
Chloroform	ug/L	2500	2840	113	75-125	
Tetrachloroethene	ug/L	2500	2810	113	75-125	
Trichloroethene	ug/L	2500	3000	120	75-125	
Vinyl chloride	ug/L	2500	2530	101	75-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			93	75-125	
Dibromofluoromethane (S)	%			99	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1045598 1045599

Parameter	Units	10167670001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	2500	2500	2810	2460	113	99	70-130	13	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1045598 1045599

Parameter	Units	10167670001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	2500	2500	2540	2420	102	97	70-130	5	30	
1,4-Dichlorobenzene	ug/L	ND	2500	2500	2580	2400	103	96	70-130	7	30	
2-Butanone (MEK)	ug/L	ND	2500	2500	2080	1970	83	79	70-130	6	30	
Benzene	ug/L	ND	2500	2500	3080	2740	123	109	70-130	12	30	
Carbon tetrachloride	ug/L	ND	2500	2500	2560	2270	103	91	70-130	12	30	
Chlorobenzene	ug/L	ND	2500	2500	2820	2600	113	104	70-130	8	30	
Chloroform	ug/L	ND	2500	2500	2800	2550	112	102	70-130	9	30	
Tetrachloroethene	ug/L	ND	2500	2500	2830	2480	113	99	70-130	13	30	
Trichloroethene	ug/L	ND	2500	2500	2950	2680	118	107	70-130	10	30	
Vinyl chloride	ug/L	ND	2500	2500	2680	2470	107	99	70-130	8	30	
1,2-Dichloroethane-d4 (S)	%						95	95	70-130			
4-Bromofluorobenzene (S)	%						93	93	75-125			
Dibromofluoromethane (S)	%						102	100	75-125			
Toluene-d8 (S)	%						102	102	75-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: MSV/17643 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10165911002, 10165911004, 10165911010

METHOD BLANK: 1032369 Matrix: Water
Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1-Dichloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,1-Dichloroethene	ug/L	ND	1.0	08/12/11 15:49	
1,1-Dichloropropene	ug/L	ND	1.0	08/12/11 15:49	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/12/11 15:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/12/11 15:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/12/11 15:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/12/11 15:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
1,2-Dichloroethane	ug/L	ND	1.0	08/12/11 15:49	
1,2-Dichloropropane	ug/L	ND	4.0	08/12/11 15:49	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/12/11 15:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
1,3-Dichloropropane	ug/L	ND	1.0	08/12/11 15:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
2,2-Dichloropropane	ug/L	ND	4.0	08/12/11 15:49	
2-Butanone (MEK)	ug/L	ND	4.0	08/12/11 15:49	
2-Chlorotoluene	ug/L	ND	1.0	08/12/11 15:49	
4-Chlorotoluene	ug/L	ND	1.0	08/12/11 15:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/12/11 15:49	
Acetone	ug/L	ND	25.0	08/12/11 15:49	
Allyl chloride	ug/L	ND	4.0	08/12/11 15:49	
Benzene	ug/L	ND	1.0	08/12/11 15:49	
Bromobenzene	ug/L	ND	1.0	08/12/11 15:49	
Bromochloromethane	ug/L	ND	1.0	08/12/11 15:49	
Bromodichloromethane	ug/L	ND	1.0	08/12/11 15:49	
Bromoform	ug/L	ND	4.0	08/12/11 15:49	
Bromomethane	ug/L	ND	4.0	08/12/11 15:49	
Carbon tetrachloride	ug/L	ND	1.0	08/12/11 15:49	
Chlorobenzene	ug/L	ND	1.0	08/12/11 15:49	
Chloroethane	ug/L	ND	1.0	08/12/11 15:49	
Chloroform	ug/L	ND	1.0	08/12/11 15:49	
Chloromethane	ug/L	ND	4.0	08/12/11 15:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/12/11 15:49	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/12/11 15:49	
Dibromochloromethane	ug/L	ND	1.0	08/12/11 15:49	
Dibromomethane	ug/L	ND	4.0	08/12/11 15:49	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

METHOD BLANK: 1032369 Matrix: Water

Associated Lab Samples: 10165911002, 10165911004, 10165911010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/12/11 15:49	
Dichlorofluoromethane	ug/L	ND	1.0	08/12/11 15:49	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/12/11 15:49	
Ethylbenzene	ug/L	ND	1.0	08/12/11 15:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/12/11 15:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/12/11 15:49	
m&p-Xylene	ug/L	ND	2.0	08/12/11 15:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/12/11 15:49	
Methylene Chloride	ug/L	ND	4.0	08/12/11 15:49	
n-Butylbenzene	ug/L	ND	1.0	08/12/11 15:49	
n-Propylbenzene	ug/L	ND	1.0	08/12/11 15:49	
Naphthalene	ug/L	ND	4.0	08/12/11 15:49	
o-Xylene	ug/L	ND	1.0	08/12/11 15:49	
p-Isopropyltoluene	ug/L	ND	1.0	08/12/11 15:49	
sec-Butylbenzene	ug/L	ND	1.0	08/12/11 15:49	
Styrene	ug/L	ND	1.0	08/12/11 15:49	
tert-Butylbenzene	ug/L	ND	1.0	08/12/11 15:49	
Tetrachloroethene	ug/L	ND	1.0	08/12/11 15:49	
Tetrahydrofuran	ug/L	ND	10.0	08/12/11 15:49	
Toluene	ug/L	ND	1.0	08/12/11 15:49	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/12/11 15:49	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/12/11 15:49	
Trichloroethene	ug/L	ND	1.0	08/12/11 15:49	
Trichlorofluoromethane	ug/L	ND	1.0	08/12/11 15:49	
Vinyl chloride	ug/L	ND	0.40	08/12/11 15:49	
Xylene (Total)	ug/L	ND	3.0	08/12/11 15:49	
1,2-Dichloroethane-d4 (S)	%	102	75-125	08/12/11 15:49	
4-Bromofluorobenzene (S)	%	99	75-125	08/12/11 15:49	
Dibromofluoromethane (S)	%	102	75-125	08/12/11 15:49	
Toluene-d8 (S)	%	100	75-125	08/12/11 15:49	

LABORATORY CONTROL SAMPLE: 1032370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.0	92	75-125	
1,1,1-Trichloroethane	ug/L	50	45.7	91	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	45.4	91	75-125	
1,1,2-Trichloroethane	ug/L	50	47.3	95	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.2	88	75-126	
1,1-Dichloroethane	ug/L	50	46.0	92	75-125	
1,1-Dichloroethene	ug/L	50	44.7	89	75-125	
1,1-Dichloropropene	ug/L	50	45.3	91	75-125	
1,2,3-Trichlorobenzene	ug/L	50	48.1	96	68-128	
1,2,3-Trichloropropane	ug/L	50	47.0	94	75-125	
1,2,4-Trichlorobenzene	ug/L	50	48.4	97	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE: 1032370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	46.0	92	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	47.9	96	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.5	95	75-125	
1,2-Dichlorobenzene	ug/L	50	46.5	93	75-125	
1,2-Dichloroethane	ug/L	50	47.8	96	71-125	
1,2-Dichloropropane	ug/L	50	46.8	94	75-125	
1,3,5-Trimethylbenzene	ug/L	50	46.0	92	75-125	
1,3-Dichlorobenzene	ug/L	50	46.1	92	75-125	
1,3-Dichloropropane	ug/L	50	46.5	93	75-125	
1,4-Dichlorobenzene	ug/L	50	45.9	92	75-125	
2,2-Dichloropropane	ug/L	50	45.9	92	69-132	
2-Butanone (MEK)	ug/L	50	55.8	112	56-137	
2-Chlorotoluene	ug/L	50	45.4	91	75-125	
4-Chlorotoluene	ug/L	50	46.3	93	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.4	97	67-125	
Acetone	ug/L	125	115	92	41-130	
Allyl chloride	ug/L	50	46.5	93	59-130	
Benzene	ug/L	50	45.5	91	75-125	
Bromobenzene	ug/L	50	46.0	92	75-125	
Bromochloromethane	ug/L	50	50.4	101	75-125	
Bromodichloromethane	ug/L	50	46.3	93	75-125	
Bromoform	ug/L	50	46.3	93	75-125	
Bromomethane	ug/L	50	42.3	85	45-138	
Carbon tetrachloride	ug/L	50	44.0	88	75-125	
Chlorobenzene	ug/L	50	46.3	93	75-125	
Chloroethane	ug/L	50	50.0	100	72-125	
Chloroform	ug/L	50	45.5	91	75-125	
Chloromethane	ug/L	50	52.5	105	65-125	
cis-1,2-Dichloroethene	ug/L	50	46.6	93	75-125	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	75-125	
Dibromochloromethane	ug/L	50	46.6	93	75-125	
Dibromomethane	ug/L	50	48.3	97	75-125	
Dichlorodifluoromethane	ug/L	50	55.3	111	55-143	
Dichlorofluoromethane	ug/L	50	46.0	92	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	48.1	96	75-125	
Ethylbenzene	ug/L	50	45.7	91	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.7	99	69-132	
Isopropylbenzene (Cumene)	ug/L	50	46.5	93	75-125	
m&p-Xylene	ug/L	100	92.3	92	75-125	
Methyl-tert-butyl ether	ug/L	50	48.1	96	75-125	
Methylene Chloride	ug/L	50	46.9	94	75-125	
n-Butylbenzene	ug/L	50	46.6	93	75-125	
n-Propylbenzene	ug/L	50	45.5	91	75-125	
Naphthalene	ug/L	50	50.1	100	74-129	
o-Xylene	ug/L	50	46.2	92	75-125	
p-Isopropyltoluene	ug/L	50	47.0	94	75-125	
sec-Butylbenzene	ug/L	50	46.1	92	75-125	
Styrene	ug/L	50	47.1	94	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

LABORATORY CONTROL SAMPLE: 1032370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	46.1	92	75-125	
Tetrachloroethene	ug/L	50	44.6	89	75-125	
Tetrahydrofuran	ug/L	500	514	103	64-128	
Toluene	ug/L	50	44.8	90	75-125	
trans-1,2-Dichloroethene	ug/L	50	45.3	91	75-125	
trans-1,3-Dichloropropene	ug/L	50	48.2	96	75-125	
Trichloroethene	ug/L	50	46.3	93	75-125	
Trichlorofluoromethane	ug/L	50	50.6	101	75-125	
Vinyl chloride	ug/L	50	52.3	105	74-125	
Xylene (Total)	ug/L	150	139	92	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1033052

Parameter	Units	10166121001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	45.1	90	75-125	
1,1,1-Trichloroethane	ug/L	<1.0	50	48.8	98	75-128	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	44.2	88	75-125	
1,1,2-Trichloroethane	ug/L	<1.0	50	44.9	90	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	54.1	108	75-150	
1,1-Dichloroethane	ug/L	<1.0	50	46.6	93	75-125	
1,1-Dichloroethene	ug/L	<1.0	50	49.2	98	75-134	
1,1-Dichloropropene	ug/L	<1.0	50	49.8	100	75-131	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.7	91	67-145	
1,2,3-Trichloropropane	ug/L	<4.0	50	45.0	90	75-125	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	46.8	94	74-138	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	45.0	90	75-126	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	50	45.9	92	68-129	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	45.1	90	75-125	
1,2-Dichlorobenzene	ug/L	<1.0	50	44.9	90	75-125	
1,2-Dichloroethane	ug/L	<1.0	50	45.3	91	69-129	
1,2-Dichloropropane	ug/L	<4.0	50	46.0	92	75-125	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	45.2	90	75-125	
1,3-Dichlorobenzene	ug/L	<1.0	50	44.5	89	75-125	
1,3-Dichloropropane	ug/L	<1.0	50	44.3	89	75-125	
1,4-Dichlorobenzene	ug/L	<1.0	50	44.0	88	75-125	
2,2-Dichloropropane	ug/L	<4.0	50	49.7	99	69-141	
2-Butanone (MEK)	ug/L	<4.0	50	40.8	82	42-137	
2-Chlorotoluene	ug/L	<1.0	50	44.8	90	68-147	
4-Chlorotoluene	ug/L	<1.0	50	45.6	91	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	50	45.4	91	57-126	
Acetone	ug/L	<25.0	125	62.6	50	34-130	
Allyl chloride	ug/L	<4.0	50	48.1	96	53-140	
Benzene	ug/L	<1.0	50	46.2	92	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

MATRIX SPIKE SAMPLE: 1033052

Parameter	Units	10166121001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	<1.0	50	44.4	89	75-125	
Bromochloromethane	ug/L	<1.0	50	47.6	95	75-125	
Bromodichloromethane	ug/L	<1.0	50	45.4	91	75-125	
Bromoform	ug/L	<4.0	50	44.5	89	75-125	
Bromomethane	ug/L	<4.0	50	48.6	97	41-150	
Carbon tetrachloride	ug/L	<1.0	50	48.6	97	75-135	
Chlorobenzene	ug/L	<1.0	50	45.6	91	75-125	
Chloroethane	ug/L	<1.0	50	53.3	107	71-139	
Chloroform	ug/L	<1.0	50	45.9	92	75-125	
Chloromethane	ug/L	<4.0	50	53.2	106	65-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	46.7	93	75-125	
cis-1,3-Dichloropropene	ug/L	<4.0	50	46.1	92	75-125	
Dibromochloromethane	ug/L	<1.0	50	44.2	88	75-125	
Dibromomethane	ug/L	<4.0	50	46.4	93	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	65.0	130	55-150	
Dichlorofluoromethane	ug/L	<1.0	50	47.0	94	75-129	
Diethyl ether (Ethyl ether)	ug/L	<4.0	50	45.0	90	75-125	
Ethylbenzene	ug/L	<1.0	50	46.2	92	75-137	
Hexachloro-1,3-butadiene	ug/L	<5.0	25	26.2	105	69-150	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	46.8	94	75-125	
m&p-Xylene	ug/L	<2.0	100	92.5	93	71-133	
Methyl-tert-butyl ether	ug/L	<1.0	50	45.3	91	75-125	
Methylene Chloride	ug/L	<4.0	50	46.0	92	75-125	
n-Butylbenzene	ug/L	<1.0	50	46.0	92	75-141	
n-Propylbenzene	ug/L	<1.0	50	45.7	91	75-132	
Naphthalene	ug/L	<4.0	50	48.4	97	74-138	
o-Xylene	ug/L	<1.0	50	45.9	92	75-128	
p-Isopropyltoluene	ug/L	<1.0	50	45.9	92	75-133	
sec-Butylbenzene	ug/L	<1.0	50	46.0	92	75-136	
Styrene	ug/L	<1.0	50	45.7	91	72-125	
tert-Butylbenzene	ug/L	<1.0	50	45.9	92	75-132	
Tetrachloroethene	ug/L	<1.0	50	46.9	94	75-126	
Tetrahydrofuran	ug/L	<10.0	500	470	94	64-128	
Toluene	ug/L	<1.0	50	45.5	91	75-125	
trans-1,2-Dichloroethene	ug/L	<4.0	50	47.5	95	75-127	
trans-1,3-Dichloropropene	ug/L	<4.0	50	46.0	92	75-125	
Trichloroethene	ug/L	<1.0	50	47.6	95	75-125	
Trichlorofluoromethane	ug/L	<1.0	50	55.0	110	75-150	
Vinyl chloride	ug/L	<0.40	50	56.0	112	74-142	
Xylene (Total)	ug/L	<3.0	150	138	92	73-132	
1,2-Dichloroethane-d4 (S)	%				98	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

SAMPLE DUPLICATE: 1033053

Parameter	Units	10166250001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,1-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethene	ug/L	<1.0	ND		30	
1,1-Dichloropropene	ug/L	<1.0	ND		30	
1,2,3-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,3-Trichloropropane	ug/L	<4.0	ND		30	
1,2,4-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,4-Trimethylbenzene	ug/L	<1.0	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	ND		30	
1,2-Dibromoethane (EDB)	ug/L	<1.0	ND		30	
1,2-Dichlorobenzene	ug/L	<1.0	ND		30	
1,2-Dichloroethane	ug/L	<1.0	ND		30	
1,2-Dichloropropane	ug/L	<4.0	ND		30	
1,3,5-Trimethylbenzene	ug/L	<1.0	ND		30	
1,3-Dichlorobenzene	ug/L	<1.0	ND		30	
1,3-Dichloropropane	ug/L	<1.0	ND		30	
1,4-Dichlorobenzene	ug/L	<1.0	ND		30	
2,2-Dichloropropane	ug/L	<4.0	ND		30	
2-Butanone (MEK)	ug/L	<4.0	ND		30	
2-Chlorotoluene	ug/L	<1.0	ND		30	
4-Chlorotoluene	ug/L	<1.0	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	ND		30	
Acetone	ug/L	<25.0	ND		30	
Allyl chloride	ug/L	<4.0	ND		30	
Benzene	ug/L	<1.0	ND		30	
Bromobenzene	ug/L	<1.0	ND		30	
Bromochloromethane	ug/L	<1.0	ND		30	
Bromodichloromethane	ug/L	<1.0	ND		30	
Bromoform	ug/L	<4.0	ND		30	
Bromomethane	ug/L	<4.0	ND		30	
Carbon tetrachloride	ug/L	<1.0	ND		30	
Chlorobenzene	ug/L	<1.0	ND		30	
Chloroethane	ug/L	<1.0	ND		30	
Chloroform	ug/L	<1.0	ND		30	
Chloromethane	ug/L	<4.0	ND		30	
cis-1,2-Dichloroethene	ug/L	<1.0	ND		30	
cis-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Dibromochloromethane	ug/L	<1.0	ND		30	
Dibromomethane	ug/L	<4.0	ND		30	
Dichlorodifluoromethane	ug/L	<1.0	ND		30	
Dichlorofluoromethane	ug/L	<1.0	ND		30	
Diethyl ether (Ethyl ether)	ug/L	<4.0	ND		30	
Ethylbenzene	ug/L	<1.0	ND		30	
Hexachloro-1,3-butadiene	ug/L	<5.0	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

SAMPLE DUPLICATE: 1033053

Parameter	Units	10166250001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<1.0	ND		30	
m&p-Xylene	ug/L	<2.0	ND		30	
Methyl-tert-butyl ether	ug/L	<1.0	ND		30	
Methylene Chloride	ug/L	<4.0	ND		30	
n-Butylbenzene	ug/L	<1.0	ND		30	
n-Propylbenzene	ug/L	<1.0	ND		30	
Naphthalene	ug/L	<4.0	ND		30	
o-Xylene	ug/L	<1.0	ND		30	
p-Isopropyltoluene	ug/L	<1.0	ND		30	
sec-Butylbenzene	ug/L	<1.0	ND		30	
Styrene	ug/L	<1.0	ND		30	
tert-Butylbenzene	ug/L	<1.0	ND		30	
Tetrachloroethene	ug/L	<1.0	ND		30	
Tetrahydrofuran	ug/L	<10.0	ND		30	
Toluene	ug/L	<1.0	ND		30	
trans-1,2-Dichloroethene	ug/L	<4.0	ND		30	
trans-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Trichloroethene	ug/L	<1.0	ND		30	
Trichlorofluoromethane	ug/L	<1.0	ND		30	
Vinyl chloride	ug/L	<0.40	ND		30	
Xylene (Total)	ug/L	<3.0	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	103	.2		
4-Bromofluorobenzene (S)	%	100	99	.4		
Dibromofluoromethane (S)	%	103	103	.3		
Toluene-d8 (S)	%	99	100	1		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10165911

QC Batch: WET/23244 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 10165911003, 10165911011

LABORATORY CONTROL SAMPLE: 1033709

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	5	5.0	100	98-102	

SAMPLE DUPLICATE: 1033707

Parameter	Units	10165911003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	12.5	12.5	.2	3	1M

SAMPLE DUPLICATE: 1033708

Parameter	Units	10166256023 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.3	8.4	.1	3	

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10165911

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

BATCH QUALIFIERS

Batch: MSSV/6973

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Result exceeded the calibration verification limit of the probe.
2M	Sample was extracted twice within hold with confirming results and same surrogates failing.
3M	Surrogate recovery outside laboratory control limits due to matrix interferences.
C0	Result confirmed by second analysis.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D4	Sample was diluted due to the presence of high levels of target analytes.
D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
S0	Surrogate recovery outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10165911

ANALYTE QUALIFIERS

SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
T6	High boiling point hydrocarbons are present in the sample.
T7	Low boiling point hydrocarbons are present in the sample.

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Report Date: 17-Aug-2011 15:51

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000033.D

Lab Smp Id: 10165911001

Inj Date : 17-AUG-2011 15:32

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911001

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 15:50 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.850-2.200			227837177	604.304	24.2
$	2 n-Triacontane (S)	2.244	2.320	-0.076	30926943	111.025	4.44(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

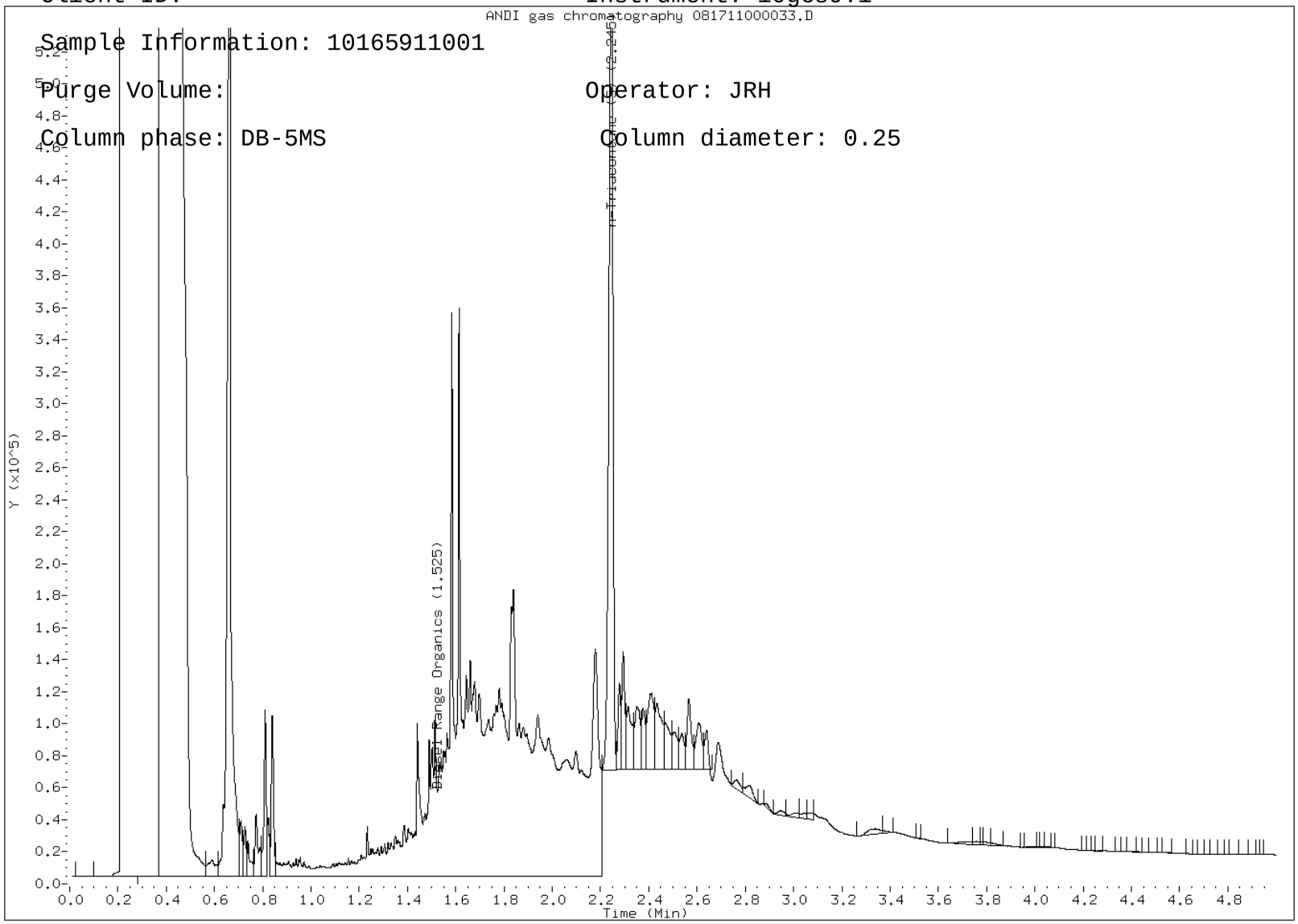
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000033.D

Report Date: 08/17/2011

Sample ID: 10165911001

Client ID: Instrument: 10gcs9.i



Sample Information: 10165911001

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 17-Aug-2011 15:16

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000028.D

Lab Smp Id: 10165911013

Inj Date : 17-AUG-2011 14:57

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911013,100

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 100.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	100.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

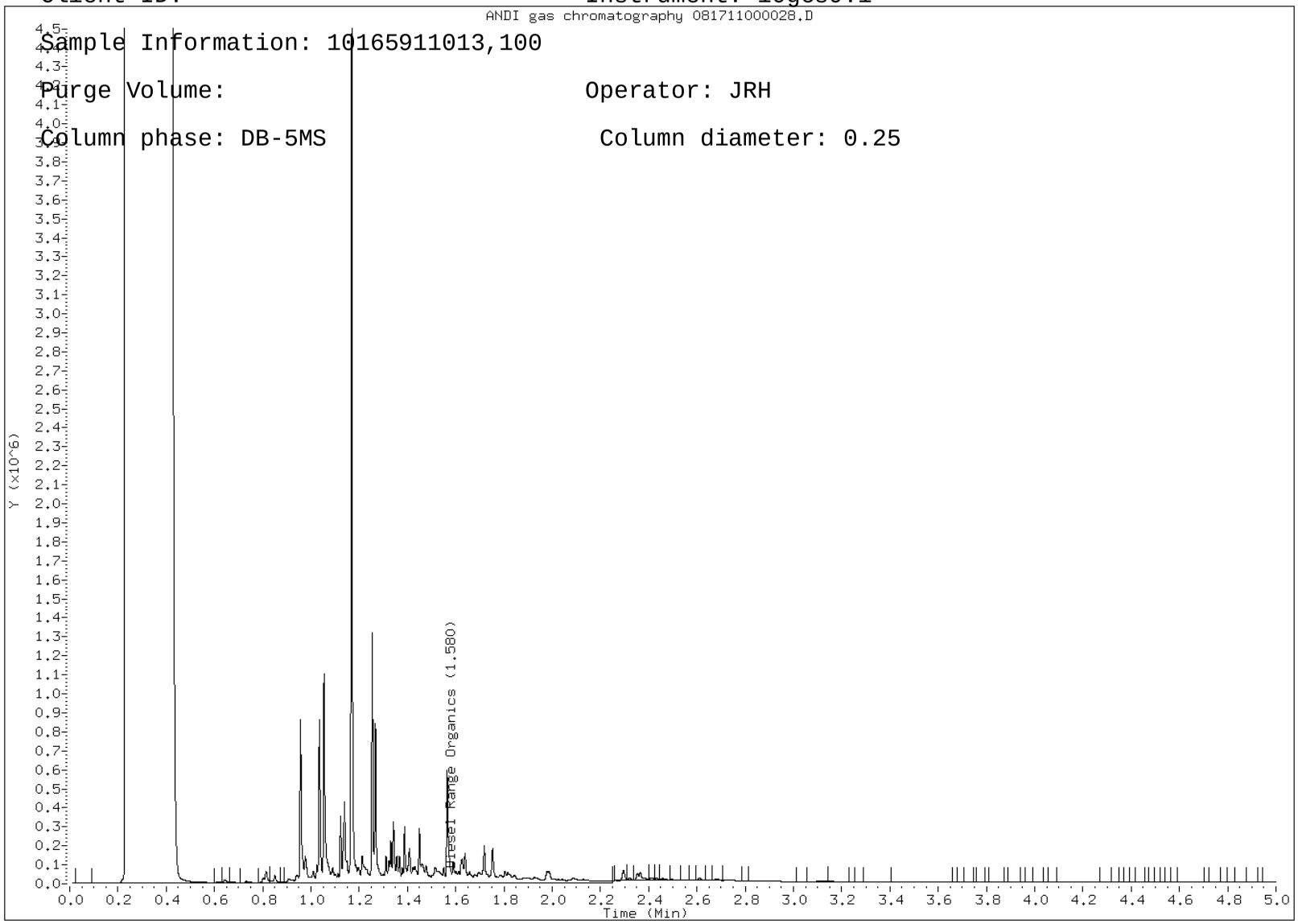
						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			394503971	1053.13	4210
$	2 n-Triacontane (S)	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000028.D

Report Date: 08/17/2011

Sample ID: 10165911013

Client ID: Instrument: 10gcs9.i



Sample Information: 10165911013,100

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 17-Aug-2011 14:46

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000025.D

Lab Smp Id: 10165911008

Inj Date : 17-AUG-2011 14:36

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911008

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/kg)
S 1 Diesel Range Organics	0.910-2.250			40301577		99.2817	3.97
$ 2 n-Triacontane (S)	2.327	2.320	0.007	30509230		109.520	4.38(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

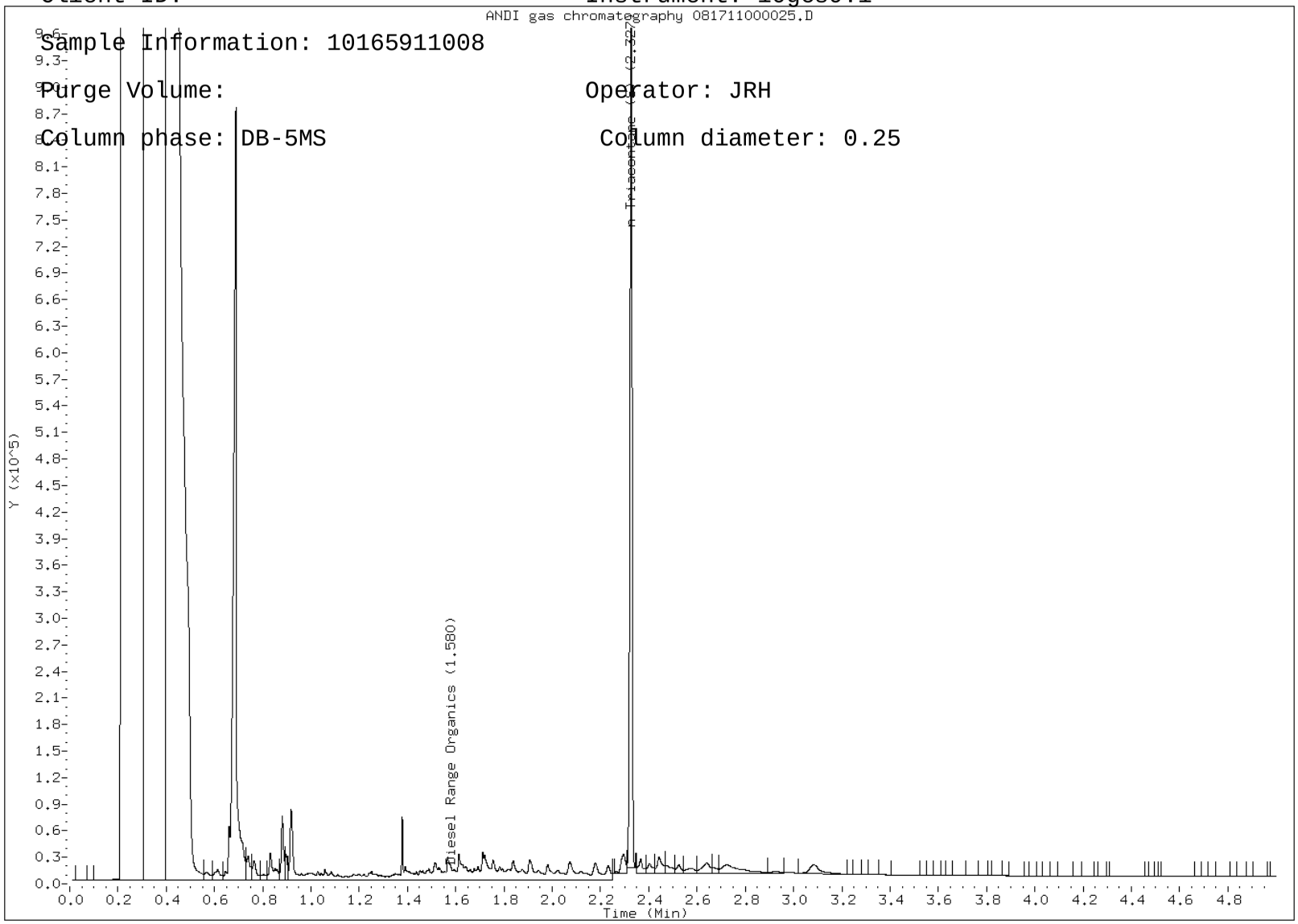
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000025.D

Report Date: 08/17/2011

Sample ID: 10165911008

Client ID: Instrument: 10gcs9.i



Sample Information: 10165911008

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 17-Aug-2011 14:39

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000024.D

Lab Smp Id: 10165911007

Inj Date : 17-AUG-2011 14:29

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911007

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			60618890	153.995	6.16
$	2 n-Triacontane (S)	2.326	2.320	0.006	29859709	107.179	4.29(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000024.D

Report Date: 08/17/2011

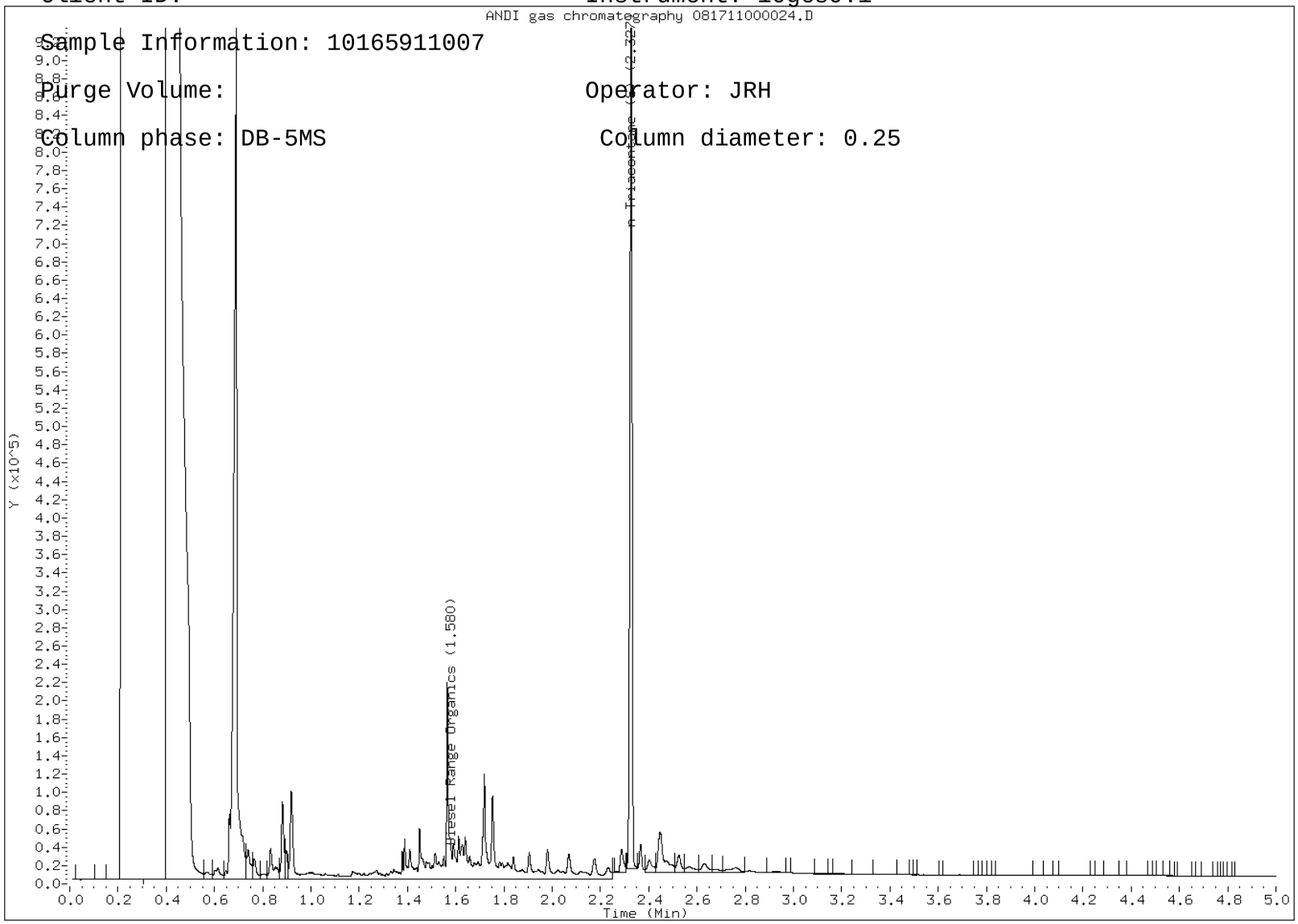
Sample ID: 10165911007

Client ID: Instrument: 10gcs9.i

Sample Information: 10165911007

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 17-Aug-2011 15:16

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000027.D

Lab Smp Id: 10165911009

Inj Date : 17-AUG-2011 14:50

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911009,20

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 20.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	20.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S 1 Diesel Range Organics	0.910-2.250			1241800473	3334.85	2670
$ 2 n-Triacontane (S)	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000027.D

Report Date: 08/17/2011

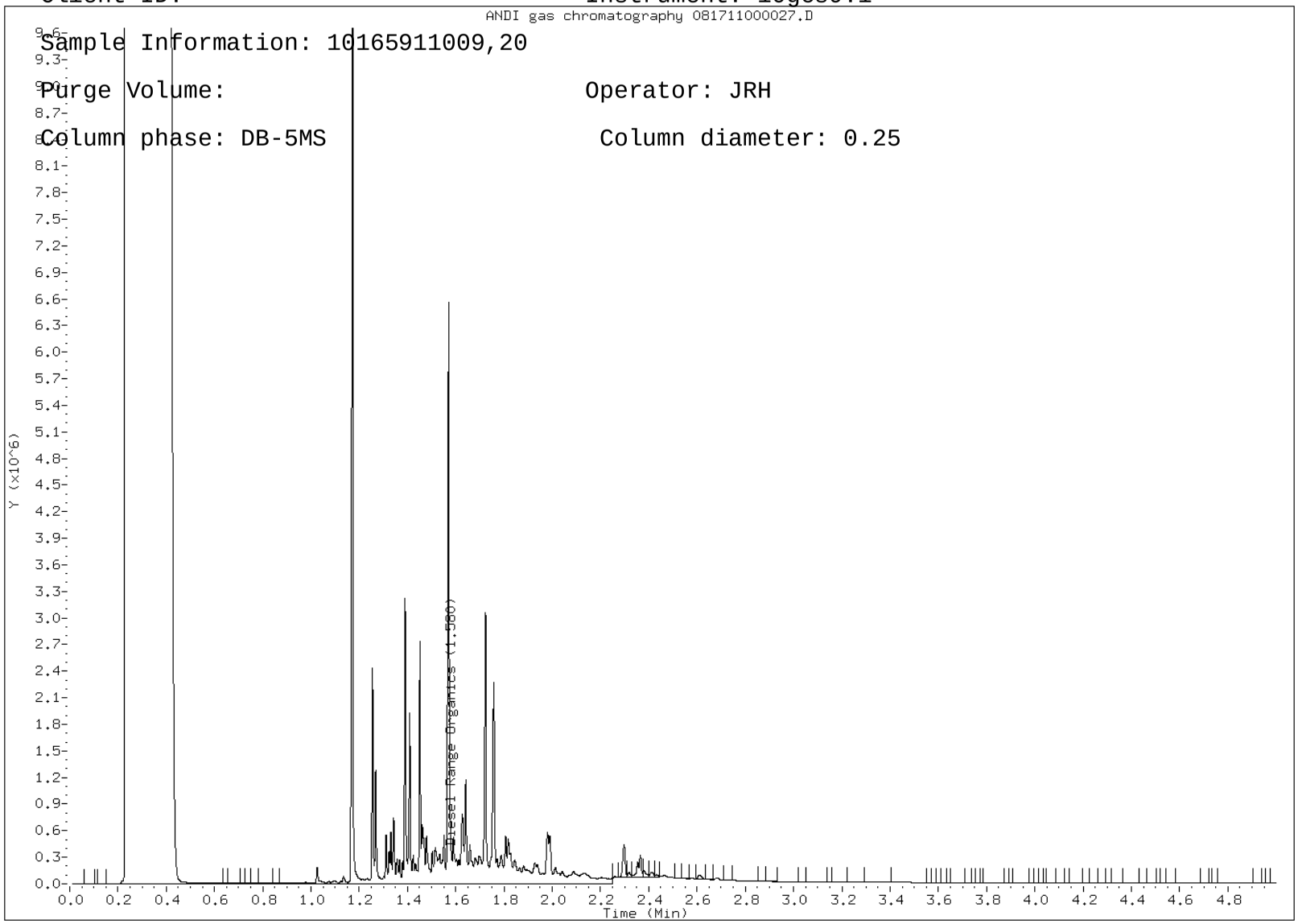
Sample ID: 10165911009

Client ID: Instrument: 10gcs9.i

Sample Information: 10165911009,20

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 17-Aug-2011 15:36

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000032.D

Lab Smp Id: 10165911006

Inj Date : 17-AUG-2011 15:25

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911006

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			286187800	761.439	30.4
$	2 n-Triacontane (S)	2.279	2.320	-0.041	29840845	107.111	4.28(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

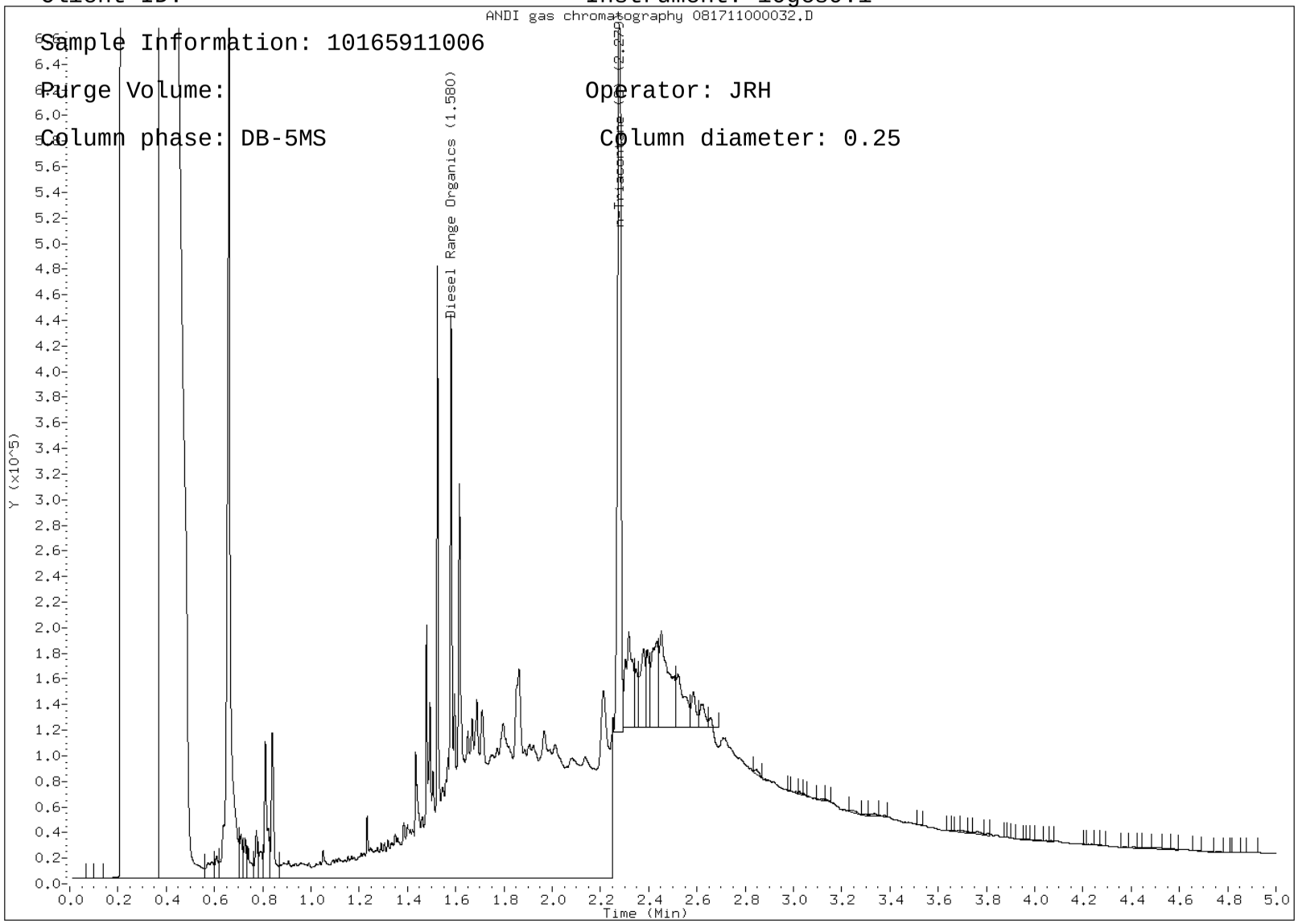
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000032.D

Report Date: 08/17/2011

Sample ID: 10165911006

Client ID: Instrument: 10gcs9.i



Sample Information: 10165911006

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 17-Aug-2011 14:54

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000026.D

Lab Smp Id: 10165911005

Inj Date : 17-AUG-2011 14:43

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911005

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			175040552	462.126	18.5
$	2 n-Triacontane (S)	2.326	2.320	0.006	33490705	120.264	4.81(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000026.D

Report Date: 08/17/2011

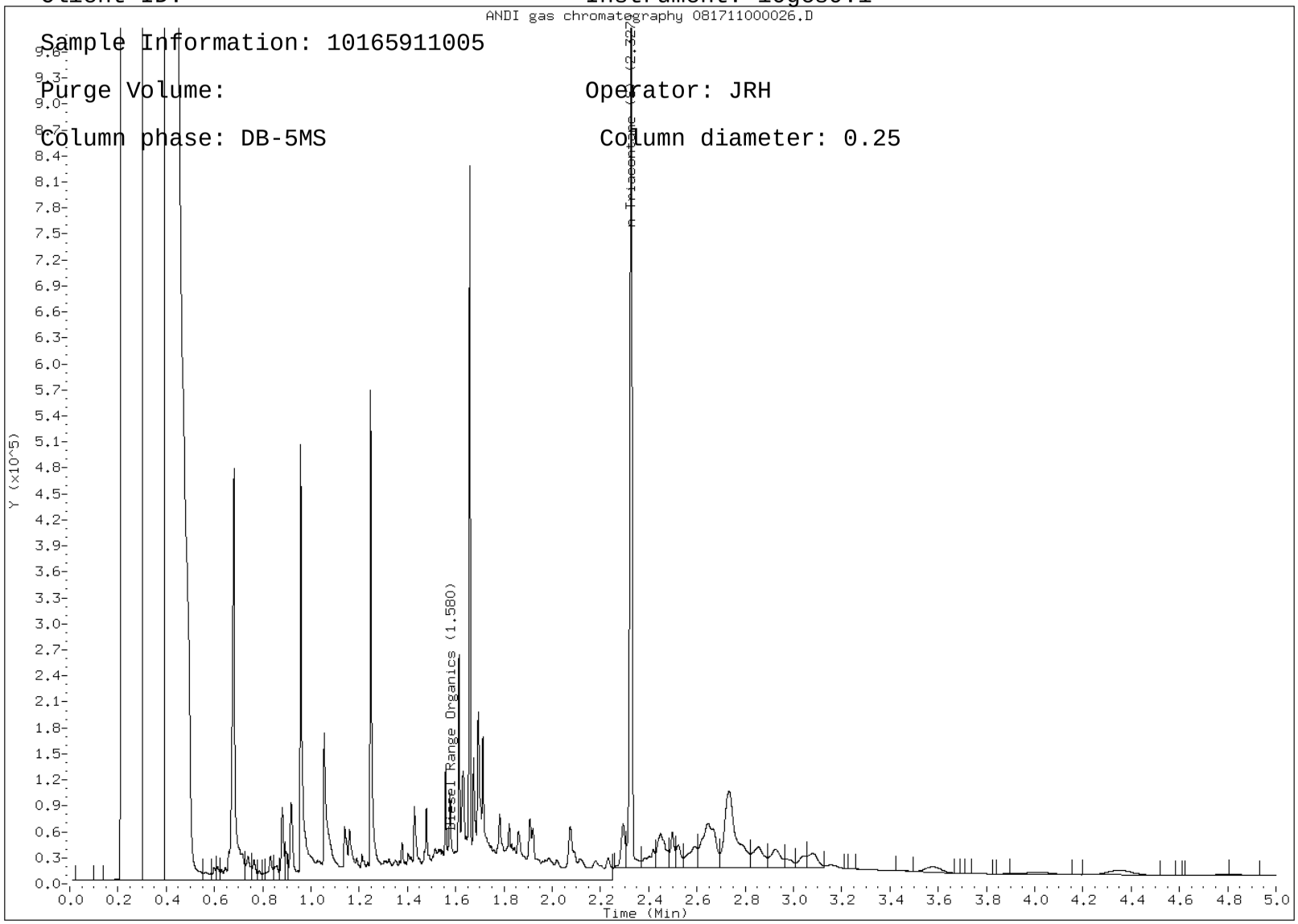
Sample ID: 10165911005

Client ID: Instrument: 10gcs9.i

Sample Information: 10165911005

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 17-Aug-2011 14:39

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081711dro.b\081711000023.D

Lab Smp Id: 10165911003

Inj Date : 17-AUG-2011 14:23

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10165911003

Misc Info : 8477

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081711dro.b\WDRO9-062111.m

Meth Date : 17-Aug-2011 14:07 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			41482761	102.463	4.10
$	2 n-Triacontane (S)	2.328	2.320	0.008	32460400	116.551	4.66(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081711dro.b/081711000023.D

Report Date: 08/17/2011

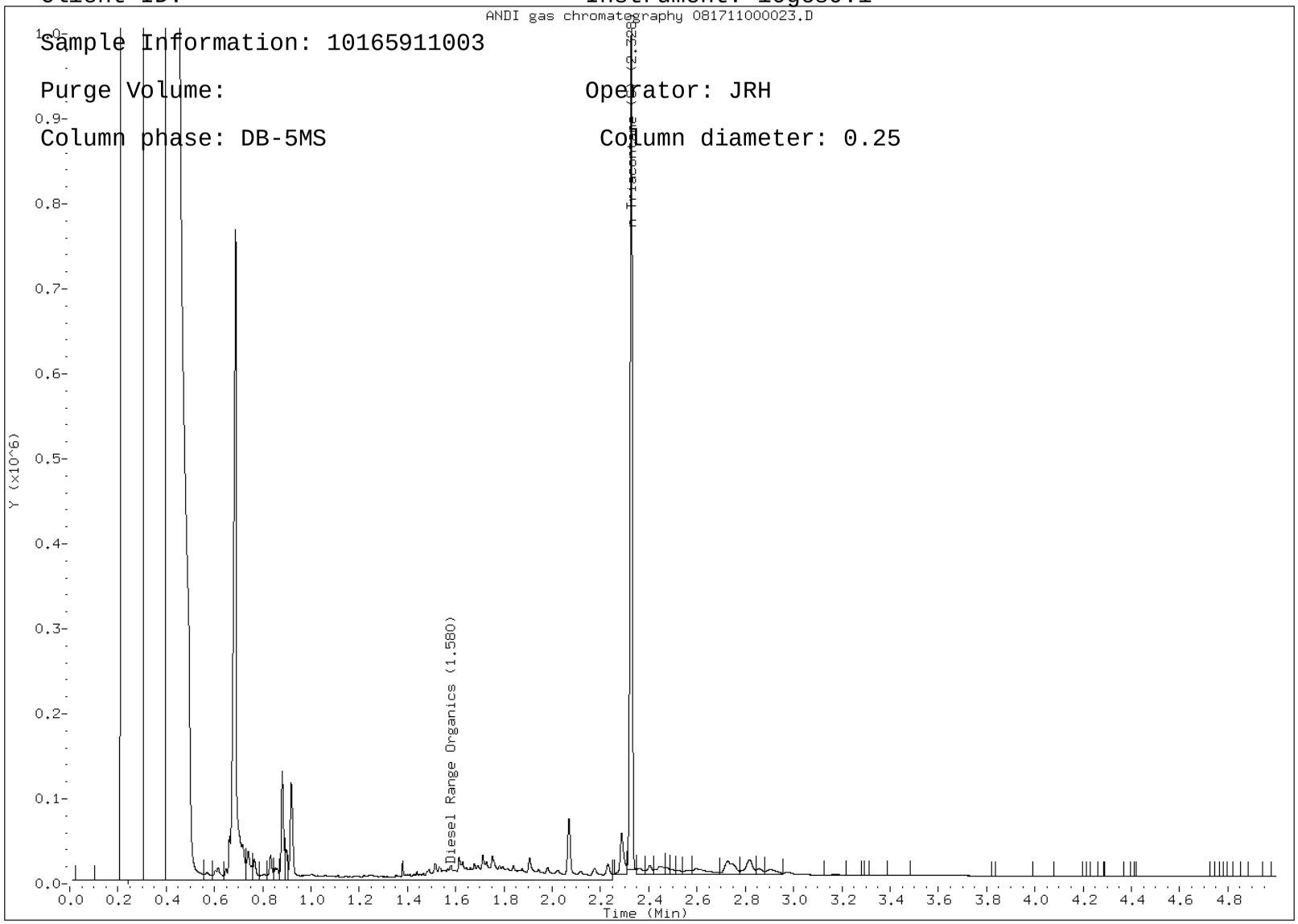
Sample ID: 10165911003

Client ID: Instrument: 10gcs9.i

Sample Information: 10165911003

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 17-Aug-2011 13:34

Pace Analytical Services, Inc.

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081611a-2.b\G1-22825.d
Lab Smp Id: 10165911010
Inj Date : 16-AUG-2011 23:03
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911010,10X
Misc Info : 8300
Comment   : Modified WIGRO
Method   : \\192.168.10.12\chem\10gcv3.i\081611a-2.b\g311-wigro-218.m
Meth Date : 17-Aug-2011 07:23 sellefson Quant Type: ESTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

				CONCENTRATIONS	
				ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
S 5 GRO	2.150	-13.810		7823246	690.828	6908

Data File: \\192.168.10.12\chem\10gcv3.i\081611a-2.b/G1-22825.d

Report Date: 08/17/2011

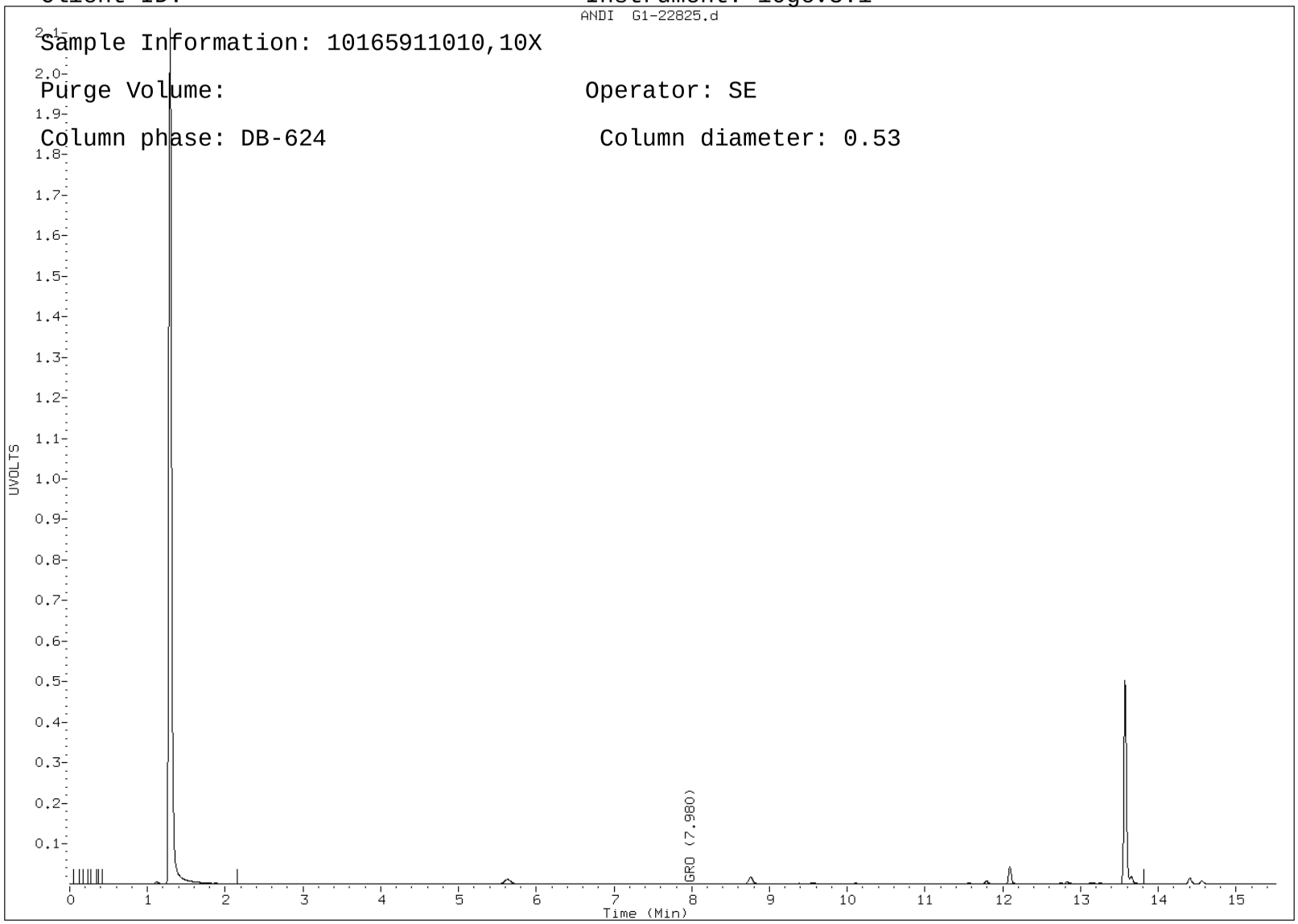
Sample ID: 10165911010

Client ID: Instrument: 10gcv3.i

Sample Information: 10165911010,10X

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 13:29

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081611a-1.b\G1-22825.d
Lab Smp Id: 10165911010
Inj Date : 16-AUG-2011 23:03
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911010,10X
Misc Info : 8300
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081611a-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 07:22 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	2 Methyl-t-butyl ether	Compound Not Detected.					
	3 Benzene	4.283	4.280	(0.489)	874	0.44530	4.45(a)
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	37485	20.2191	20.2
	5 Toluene	7.126	7.126	(0.814)	3757	1.78285	17.8
*	6 Chlorofluorobenzene	8.756	8.756	(1.000)	81103	20.0000	
	7 Ethylbenzene	9.383	9.383	(1.072)	4815	2.24916	22.5
	8 m&p-Xylene	9.560	9.563	(1.092)	10993	4.48076	44.8
	9 o-Xylene	10.106	10.103	(1.154)	5482	2.50722	25.1
	10 1,3,5-Trimethylbenzene	11.213	11.213	(1.281)	3284	1.00890	10.1
	11 1,2,4-Trimethylbenzene	11.563	11.563	(1.321)	8471	3.26070	32.6
	12 Naphthalene	13.570	13.573	(1.550)	2017333	1137.88	11400(A)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\192.168.10.12\chem\10gcv3.i\081611a-1.b/G1-22825.d

Report Date: 08/17/2011

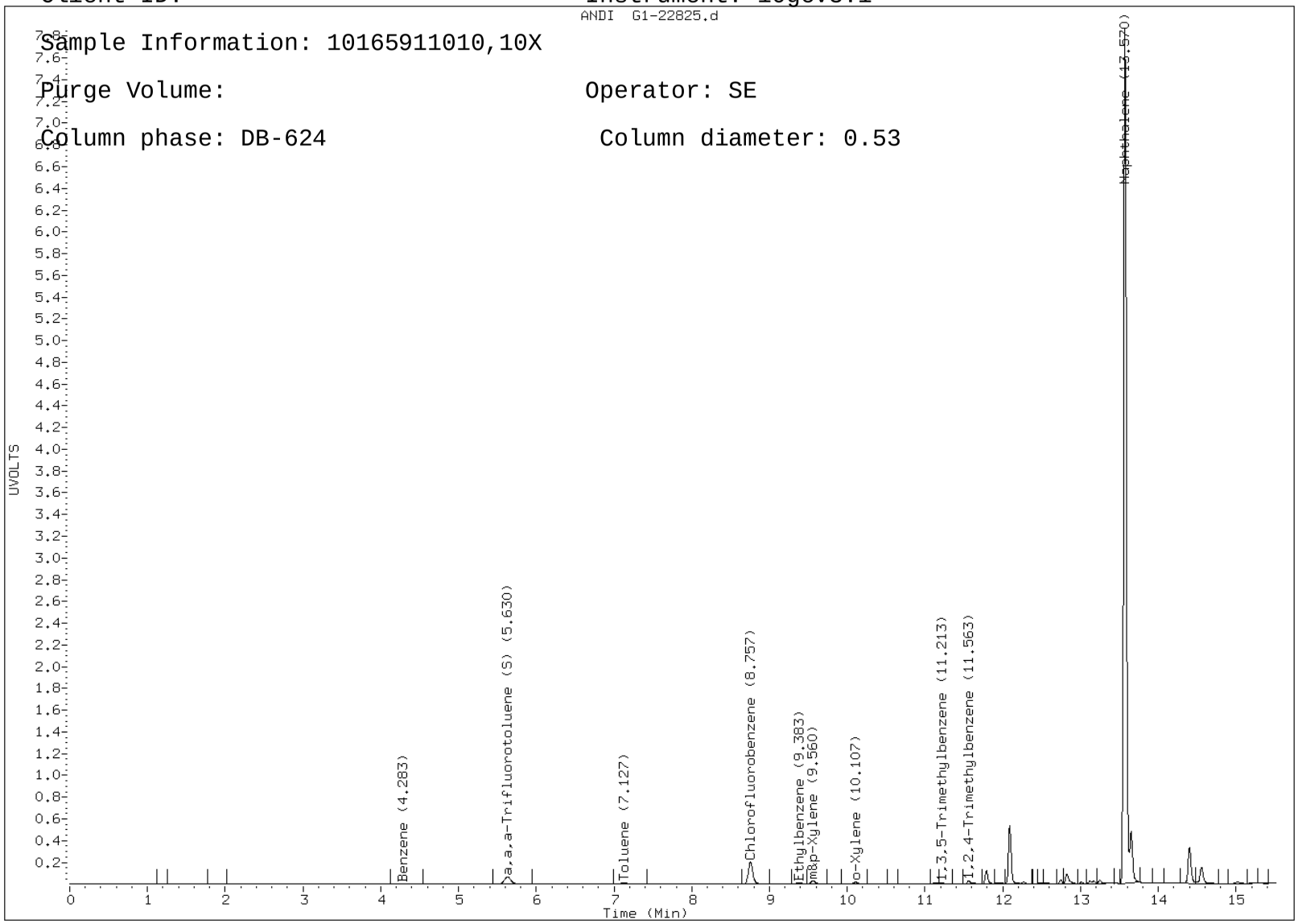
Sample ID: 10165911010

Client ID: Instrument: 10gcv3.i

Sample Information: 10165911010,10X

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 08:49

Pace Analytical Services, Inc.

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081511a-2.b\G1-22706.d
Lab Smp Id: 10165911004
Inj Date : 15-AUG-2011 14:25
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911004
Misc Info : 8295
Comment   : Modified WIGRO
Method   : \\192.168.10.12\chem\10gcv3.i\081511a-2.b\g311-wigro-218.m
Meth Date : 16-Aug-2011 12:40 sellefson Quant Type: ESTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
S 5 GRO	2.150	-13.810		1301509	24.4055	24.40(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081511a-2.b/G1-22706.d

Report Date: 08/17/2011

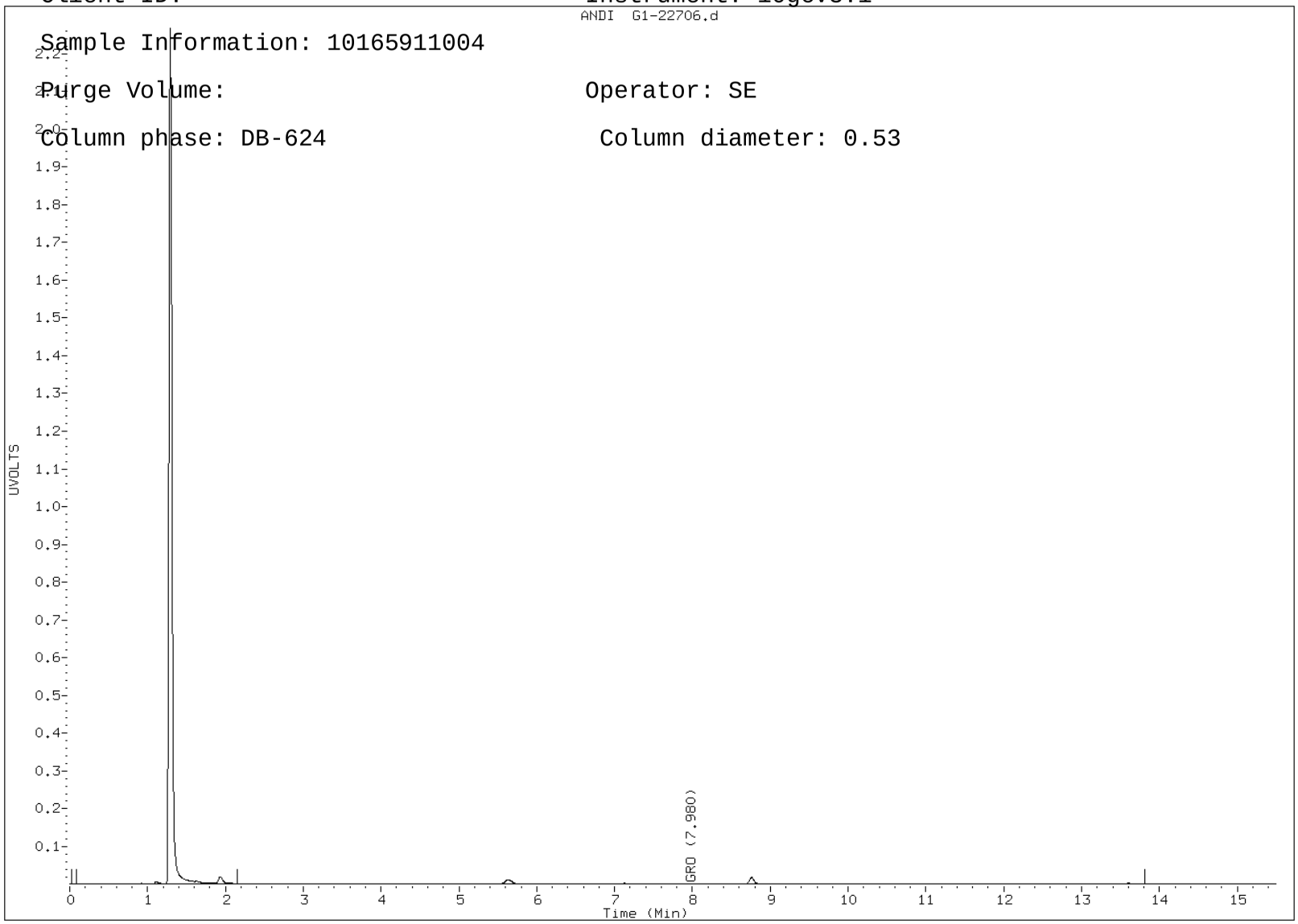
Sample ID: 10165911004

Client ID: Instrument: 10gcv3.i

Sample Information: 10165911004

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 08:46

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511a-1.b\G1-22706.d
Lab Smp Id: 10165911004
Inj Date : 15-AUG-2011 14:25
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911004
Misc Info : 8295
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511a-1.b\g311-btex-218.m
Meth Date : 16-Aug-2011 12:40 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	2 Methyl-t-butyl ether	Compound Not Detected.					
	3 Benzene	4.283	4.276	(0.489)	2277	1.08593	1.08
$	4 a,a,a-Trifluorotoluene (S)	5.633	5.630	(0.643)	40534	20.4652	20.5
	5 Toluene	Compound Not Detected.					
*	6 Chlorofluorobenzene	8.756	8.756	(1.000)	86645	20.0000	
	7 Ethylbenzene	9.383	9.383	(1.072)	3922	1.71484	1.71
	8 m&p-Xylene	9.566	9.560	(1.093)	1335	0.50934	0.509(a)
	9 o-Xylene	10.050	10.103	(1.148)	4537	1.94230	1.94
	10 1,3,5-Trimethylbenzene	11.133	11.213	(1.271)	887	0.25507	0.255(a)
	11 1,2,4-Trimethylbenzene	11.463	11.563	(1.309)	39152	14.1066	14.1
	12 Naphthalene	13.603	13.590	(1.553)	11153	5.88851	5.89

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081511a-1.b/G1-22706.d

Report Date: 08/17/2011

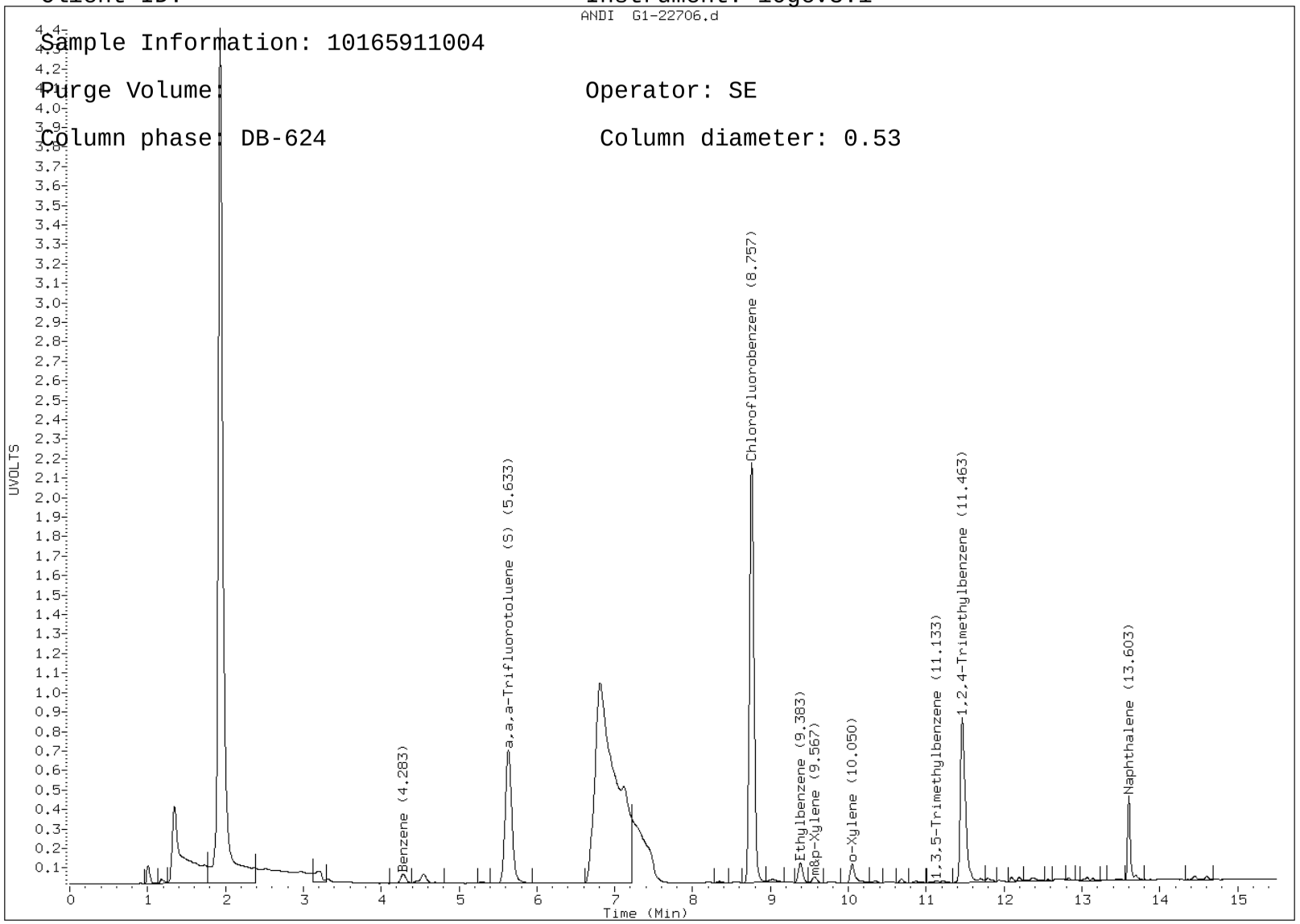
Sample ID: 10165911004

Client ID: Instrument: 10gcv3.i

Sample Information: 10165911004

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 16-Aug-2011 12:07

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G1-22722.d
Lab Smp Id: 10165911009
Inj Date : 15-AUG-2011 16:03
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911009,10XR
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G111-GROsoil224.m
Meth Date : 16-Aug-2011 10:07 sellefson Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	10.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	2.000	-14.300		8545443	1097.94	549.0

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-2.b/G1-22722.d

Report Date: 08/16/2011

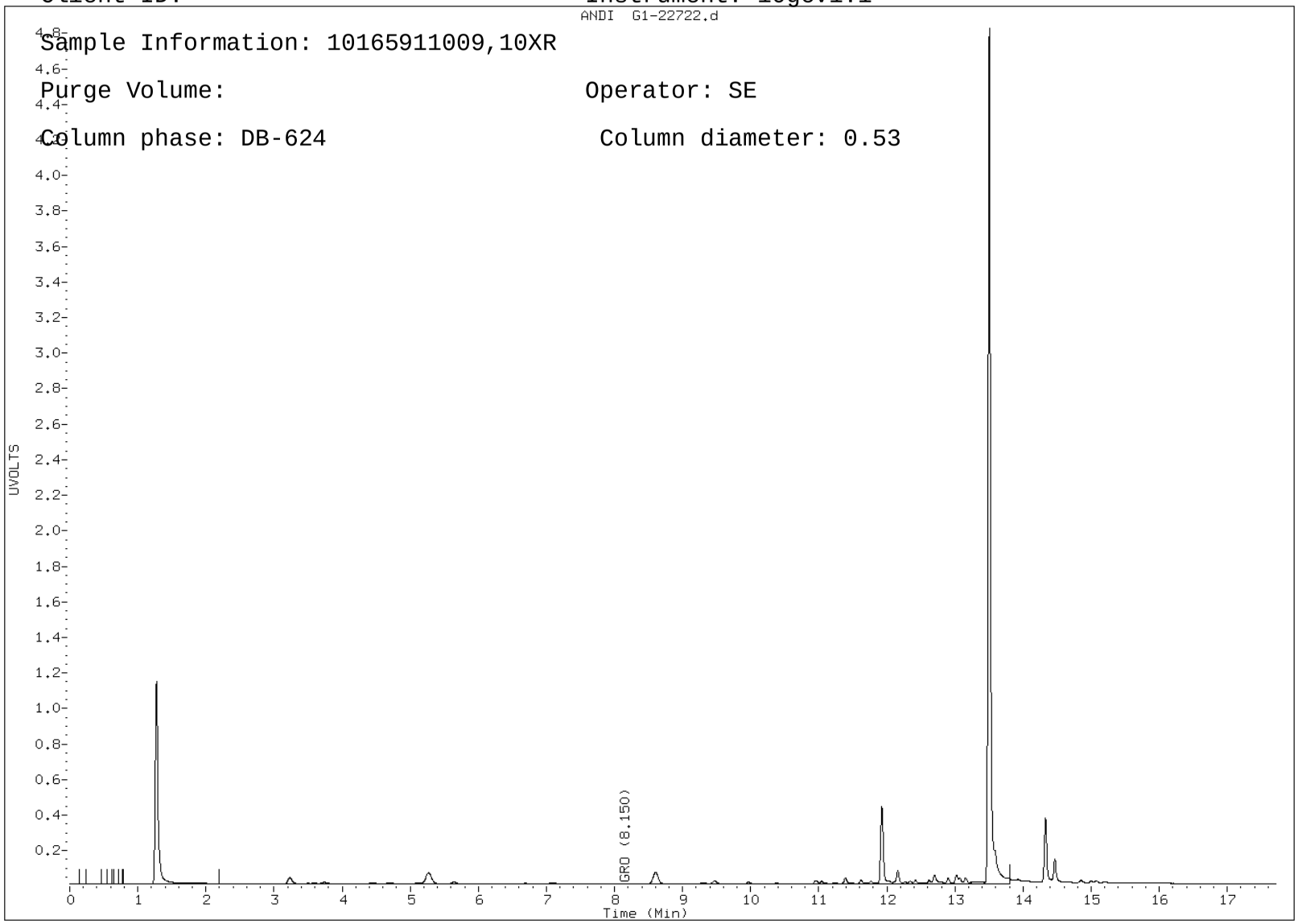
Sample ID: 10165911009

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911009,10XR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 16-Aug-2011 12:07

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G1-22721.d
Lab Smp Id: 10165911005
Inj Date : 15-AUG-2011 15:40
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911005,RR
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G111-GROsoil224.m
Meth Date : 16-Aug-2011 10:07 sellefson Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-2.b/G1-22721.d

Report Date: 08/16/2011

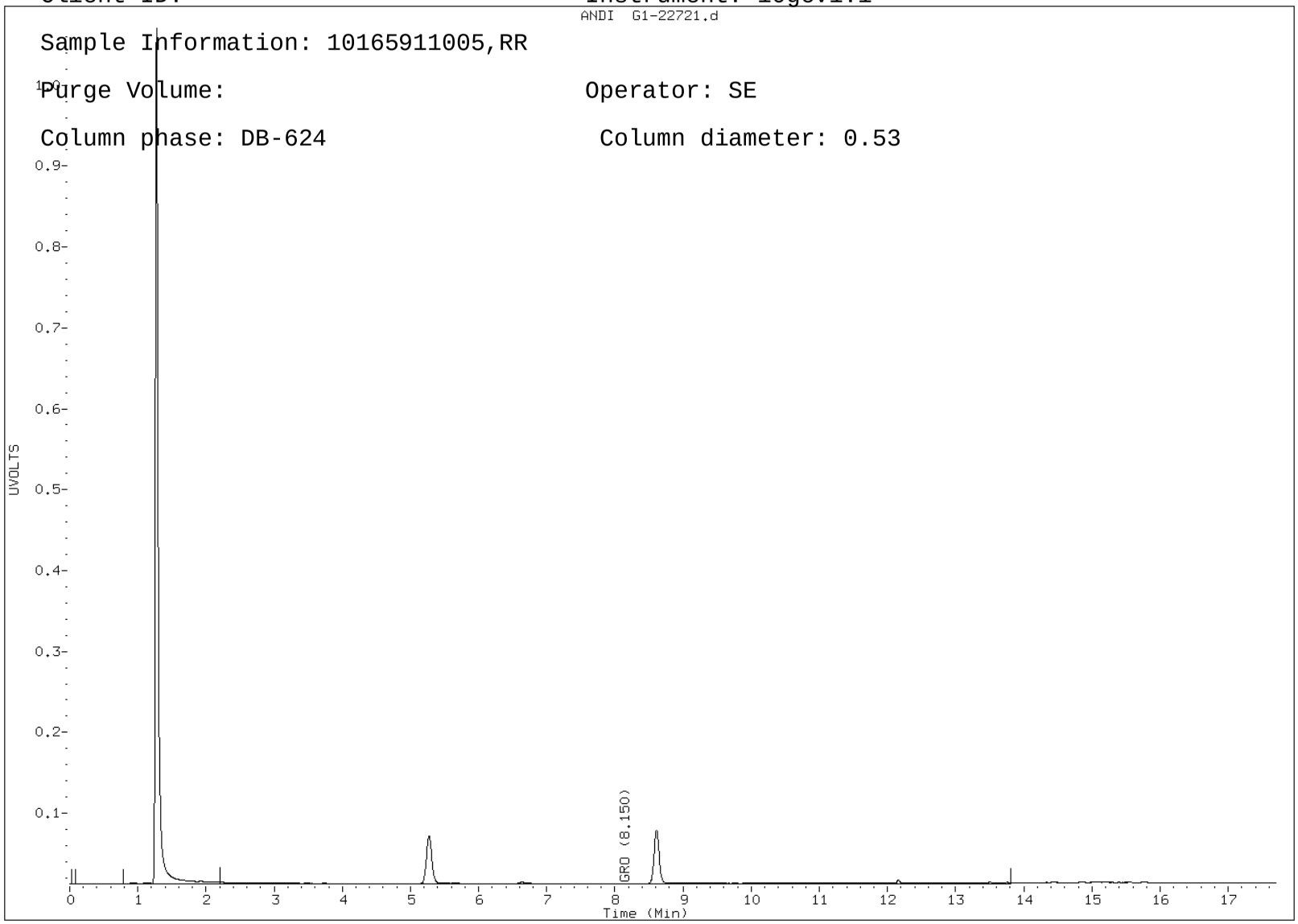
Sample ID: 10165911005

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911005,RR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 16-Aug-2011 12:07

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G1-22723.d
Lab Smp Id: 10165911013
Inj Date : 15-AUG-2011 16:27
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911013,10XR
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-2.b\G111-GROsoil224.m
Meth Date : 16-Aug-2011 10:07 sellefson Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	10.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	2.000-14.300			9991278	1299.23	649.6

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-2.b/G1-22723.d

Report Date: 08/16/2011

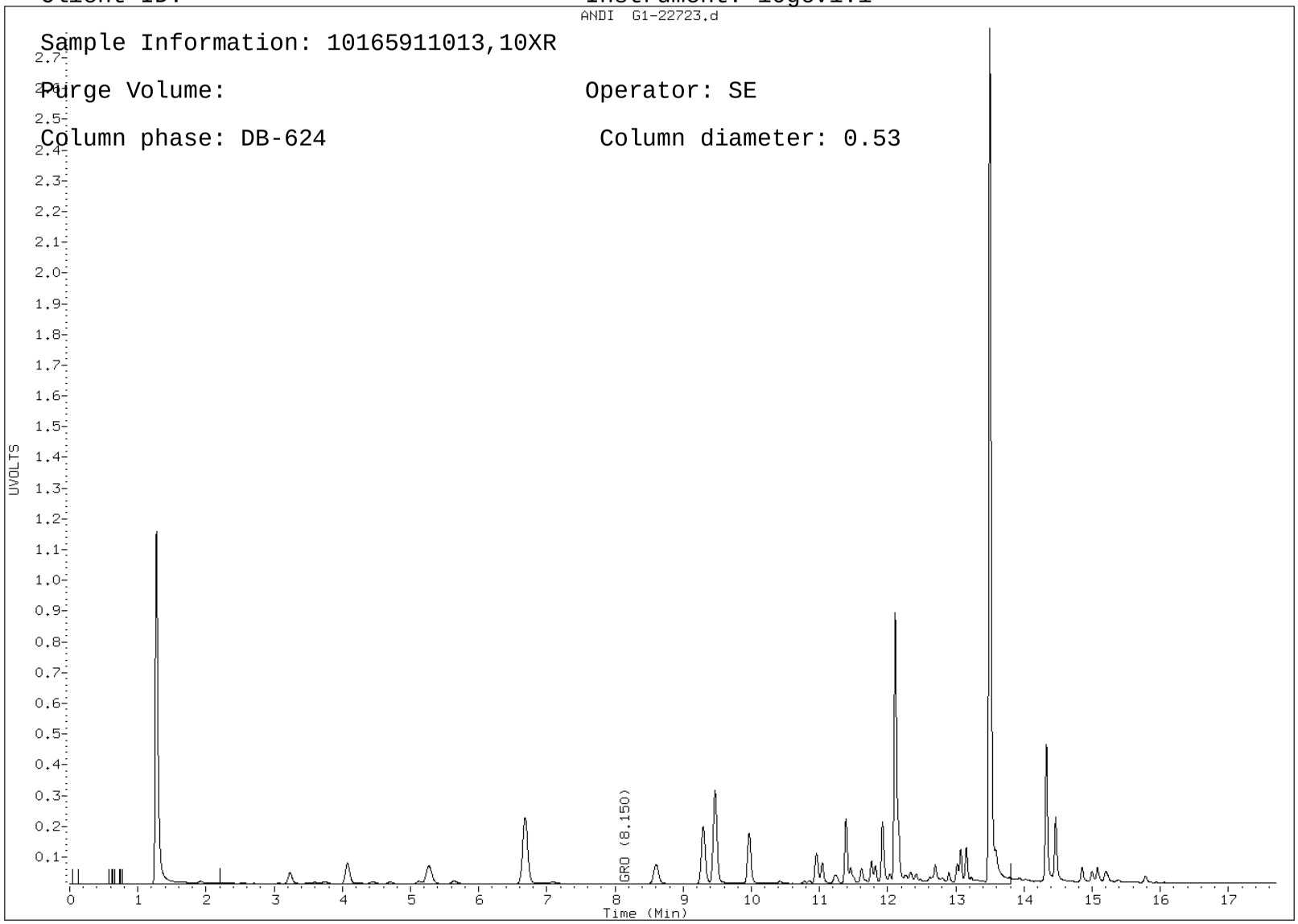
Sample ID: 10165911013

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911013,10XR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G1-22723.d
Lab Smp Id: 10165911013
Inj Date : 15-AUG-2011 16:27
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911013,10XR
Misc Info : 8291
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G111-BTEXsoil224.m
Meth Date : 16-Aug-2011 10:05 sellefson Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	10.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.076	4.073	(0.474)	508781	15.4335	7.72
$	3 a,a,a-Trifluorotoluene (S)	5.273	5.263	(0.613)	387417	26.0276	1.30(R)
	4 Toluene	6.680	6.680	(0.777)	1814226	58.6949	29.3
*	5 Chlorofluorobenzene	8.600	8.600	(1.000)	611404	20.0000	
	6 Ethylbenzene	9.293	9.293	(1.081)	1221199	48.7268	24.4
	7 m&p-Xylene	9.466	9.470	(1.101)	2278148	75.3759	37.7
	8 o-Xylene	9.966	9.966	(1.159)	1025800	37.3931	18.7
	10 1,3,5-Trimethylbenzene	11.040	11.040	(1.284)	462390	13.4282	6.71
	11 1,2,4-Trimethylbenzene	11.386	11.390	(1.324)	1041770	36.8250	18.4
	12 Naphthalene	13.496	13.496	(1.569)	15889143	1142.00	571(A)

QC Flag Legend

A - Target compound detected but, quantitated amount

exceeded maximum amount.

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-1.b/G1-22723.d

Report Date: 08/16/2011

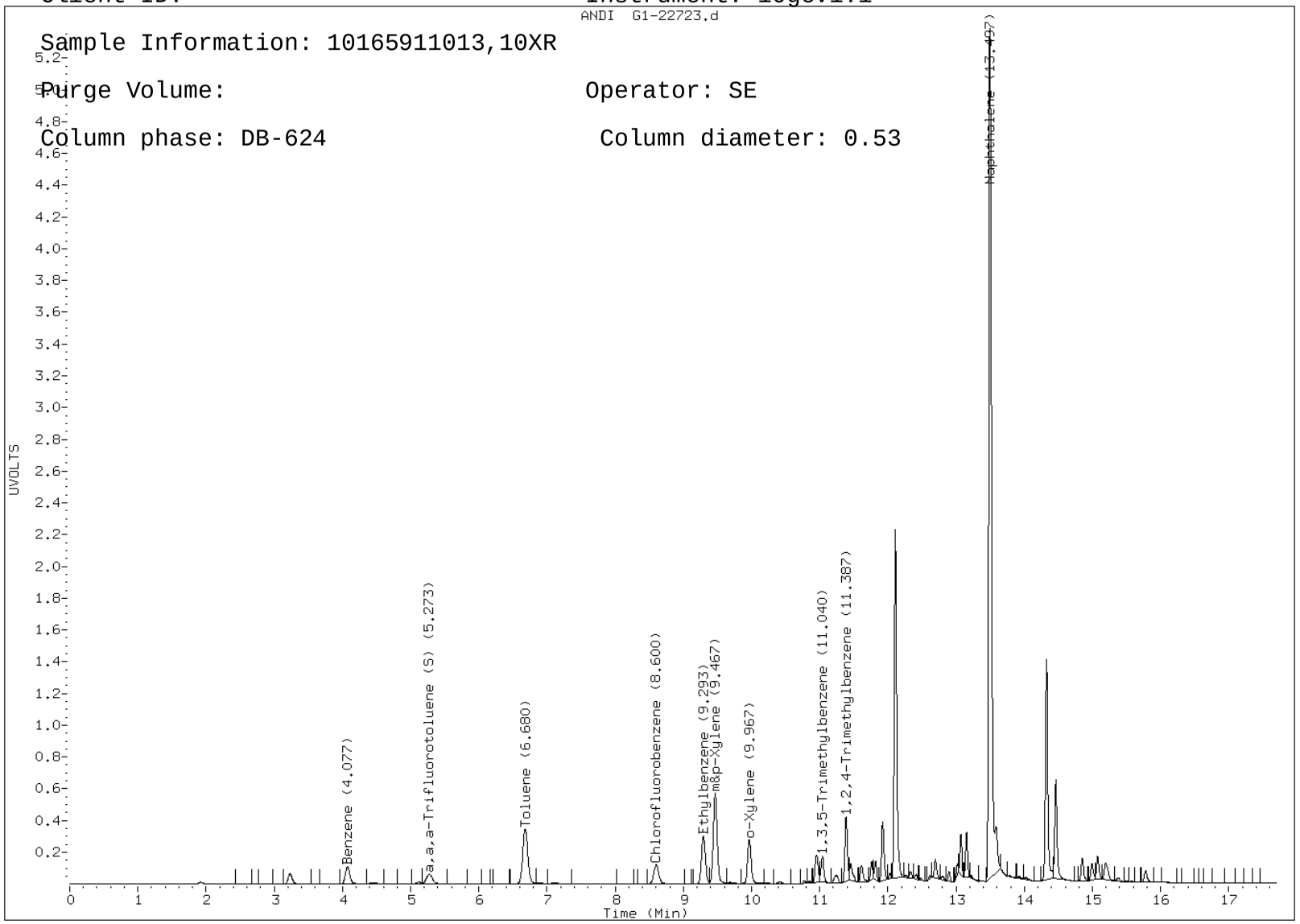
Sample ID: 10165911013

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911013,10XR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G1-22722.d
Lab Smp Id: 10165911009
Inj Date : 15-AUG-2011 16:03
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911009,10XR
Misc Info : 8291
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G111-BTEXsoil224.m
Meth Date : 16-Aug-2011 10:05 sellefson Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	10.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.046	4.073	(0.470)	1059	0.03030	0.0152(a)
$	3 a,a,a-Trifluorotoluene (S)	5.273	5.263	(0.613)	402964	25.5383	1.28(R)
	4 Toluene	6.683	6.680	(0.777)	21307	0.65028	0.325
*	5 Chlorofluorobenzene	8.603	8.600	(1.000)	648123	20.0000	
	6 Ethylbenzene	9.296	9.293	(1.081)	41136	1.54837	0.774
	7 m&p-Xylene	9.466	9.470	(1.100)	109337	3.41262	1.71
	8 o-Xylene	9.970	9.966	(1.159)	52538	1.80665	0.903
	10 1,3,5-Trimethylbenzene	11.040	11.040	(1.283)	67186	1.84060	0.920
	11 1,2,4-Trimethylbenzene	11.390	11.390	(1.324)	139536	4.65295	2.33
	12 Naphthalene	13.496	13.496	(1.569)	22505737	1525.91	763(A)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

A - Target compound detected but, quantitated amount exceeded maximum amount.

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-1.b/G1-22722.d

Report Date: 08/16/2011

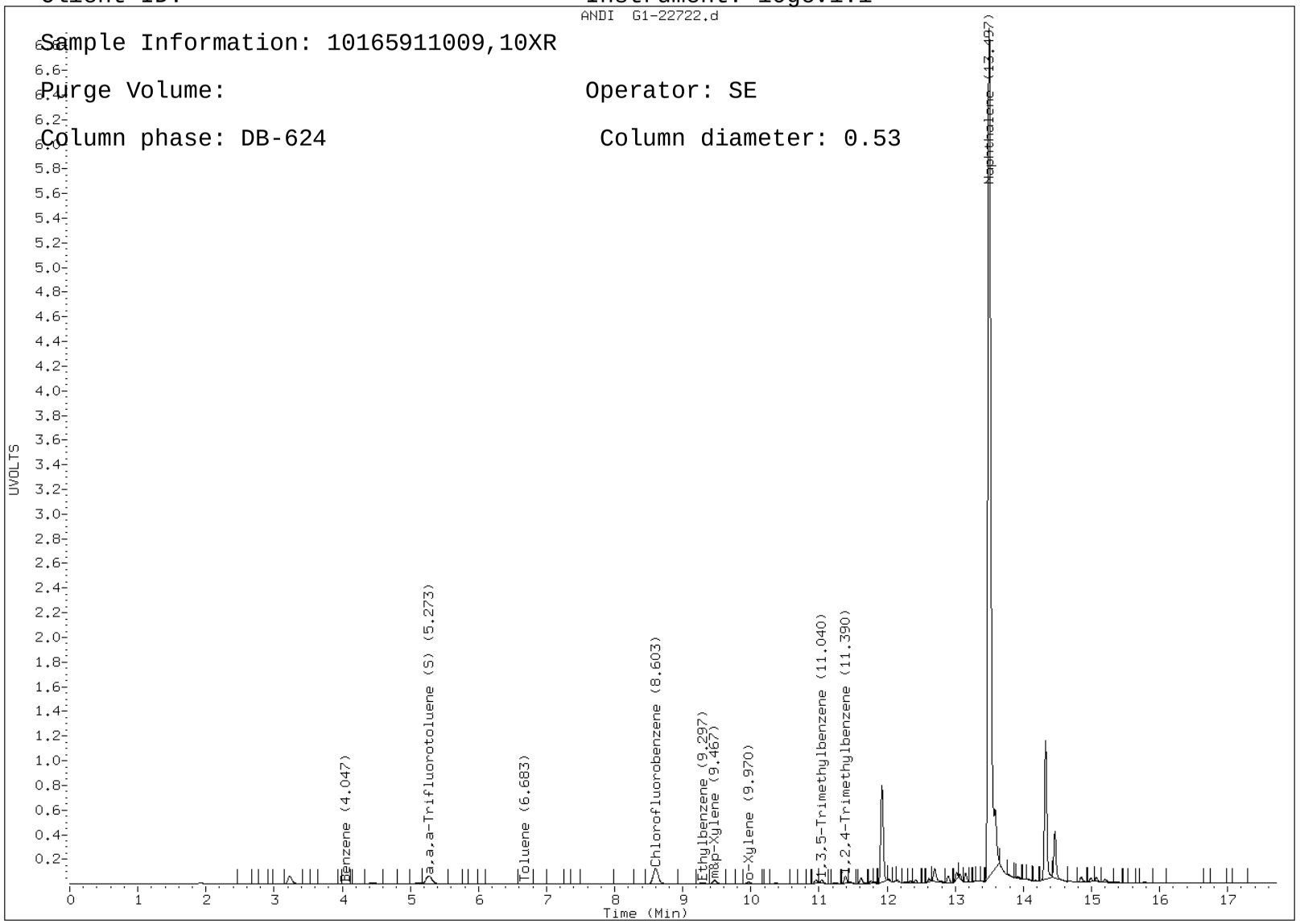
Sample ID: 10165911009

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911009,10XR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G1-22721.d
Lab Smp Id: 10165911005
Inj Date : 15-AUG-2011 15:40
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911005,RR
Misc Info : 8291
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv1.i\081511c-1.b\G111-BTEXsoil224.m
Meth Date : 16-Aug-2011 10:05 sellefson Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.096	4.073	(0.476)	1343	0.03790	0.00190(a)
$	3 a,a,a-Trifluorotoluene (S)	5.273	5.263	(0.612)	315058	19.6922	0.985
	4 Toluene	6.636	6.680	(0.771)	11569	0.34822	0.0174(a)
*	5 Chlorofluorobenzene	8.610	8.600	(1.000)	657175	20.0000	
	6 Ethylbenzene	9.313	9.293	(1.082)	2807	0.10420	0.00521(a)
	7 m&p-Xylene	9.476	9.470	(1.101)	4918	0.15139	0.00757(a)
	8 o-Xylene	9.920	9.966	(1.152)	5109	0.17327	0.00866(a)
	10 1,3,5-Trimethylbenzene	11.046	11.040	(1.283)	3086	0.08338	0.00417(a)
	11 1,2,4-Trimethylbenzene	11.396	11.390	(1.324)	2511	0.08258	0.00413(a)
	12 Naphthalene	13.503	13.496	(1.568)	6859	0.45864	0.0229(a)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081511c-1.b/G1-22721.d

Report Date: 08/16/2011

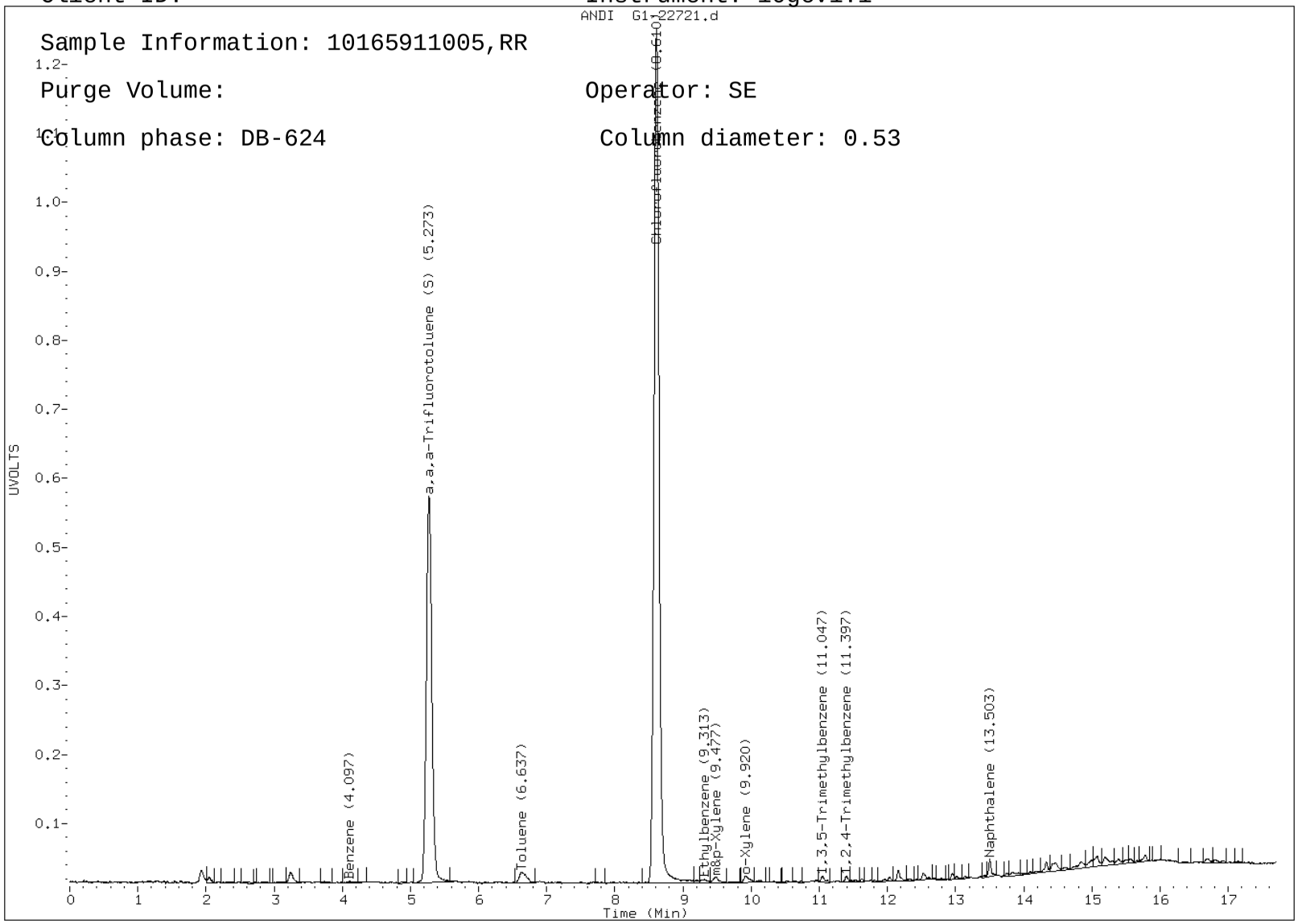
Sample ID: 10165911005

Client ID: Instrument: 10gcv1.i

Sample Information: 10165911005,RR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 13:47

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081511f.b\227F0016.D
Lab Smp Id: 10165911002
Inj Date : 15-AUG-2011 13:19
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10165911002
Misc Info : 8466
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081511f.b\WDRO5-062811F.m
Meth Date : 15-Aug-2011 11:44 jheinecke Quant Type: ESTD
Cal Date : 28-JUN-2011 14:42 Cal File: 179F0011.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.390	-2.690		41788872	322.859	0.323
$	5 n-Triacontane (S)	2.725	2.755	-0.030	3869224	41.4226	0.0414(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081511f.b/227F0016.D

Report Date: 08/15/2011

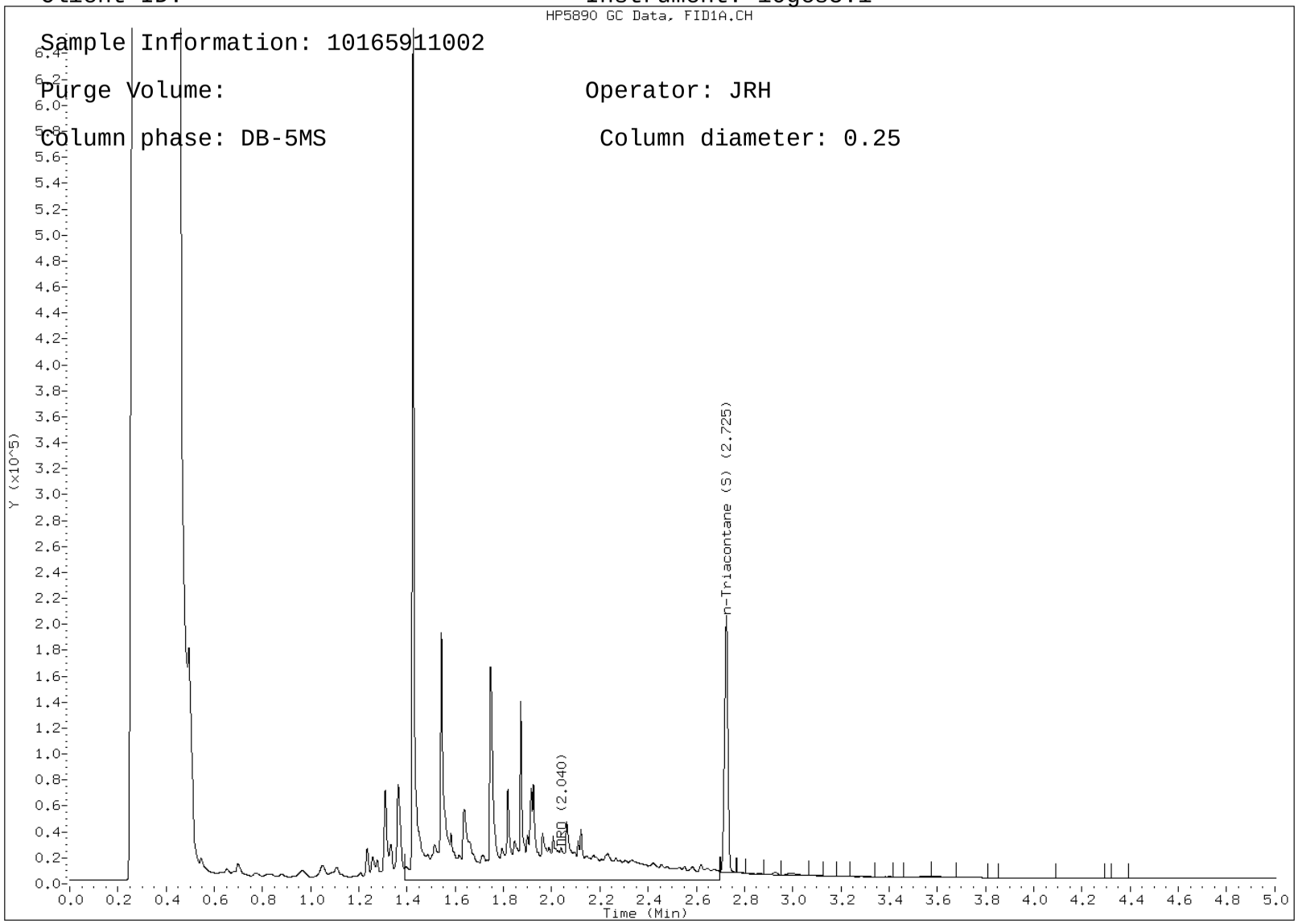
Sample ID: 10165911002

Client ID: Instrument: 10gcs5.i

Sample Information: 10165911002

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081511f.b\227F0017.D
Lab Smp Id: 10165911004
Inj Date : 15-AUG-2011 13:27
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10165911004
Misc Info : 8466
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081511f.b\WDRO5-062811F.m
Meth Date : 15-Aug-2011 11:44 jheinecke Quant Type: ESTD
Cal Date : 28-JUN-2011 14:42 Cal File: 179F0011.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.390	-2.690		509205958	4046.86	4.05
$	5 n-Triacontane (S)	2.726	2.755	-0.029	3789679	40.5460	0.0405(M)

QC Flag Legend

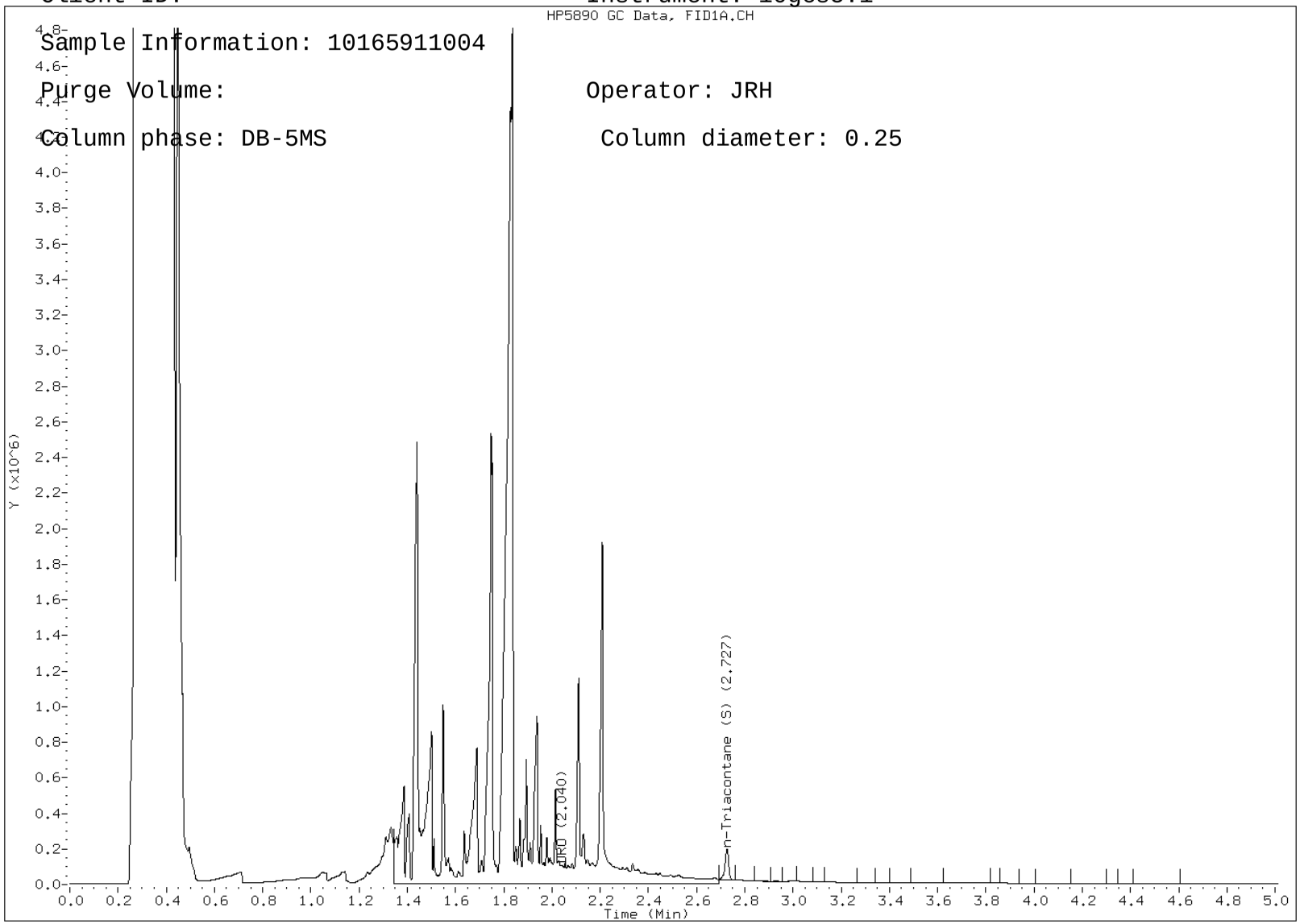
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081511f.b/227F0017.D

Report Date: 08/15/2011

Sample ID: 10165911004

Client ID: Instrument: 10gcs5.i



Report Date: 15-Aug-2011 14:05

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081511f.b\227F0020.D
Lab Smp Id: 10165911010
Inj Date : 15-AUG-2011 13:50
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10165911010,10
Misc Info : 8466
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081511f.b\WDRO5-062811F.m
Meth Date : 15-Aug-2011 14:04 jheinecke Quant Type: ESTD
Cal Date : 28-JUN-2011 14:42 Cal File: 179F0011.D
Als bottle: 19
Dil Factor: 10.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/L)
S	2 DRO	1.390	-2.690		286388639	2271.63	22.7
$	5 n-Triacontane (S)	2.721	2.731	-0.010	1113860	11.0582	0.110(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081511f.b/227F0020.D

Report Date: 08/15/2011

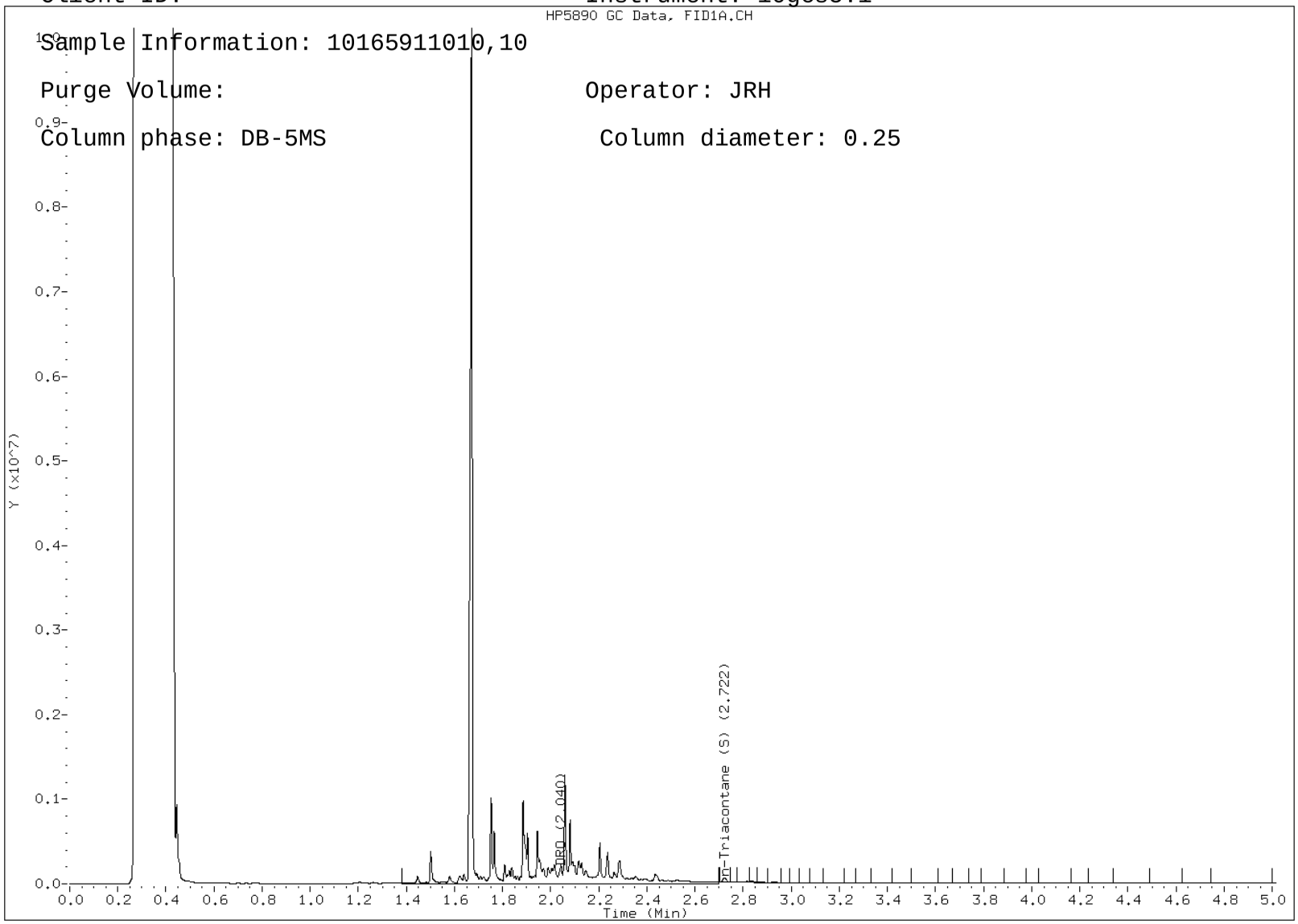
Sample ID: 10165911010

Client ID: Instrument: 10gcs5.i

Sample Information: 10165911010,10

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 15-Aug-2011 09:56

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G1-22433.d
Lab Smp Id: 10165911003 Client Smp ID: 10165911003
Inj Date : 12-AUG-2011 21:16
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911003
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G111-GROsoil224.m
Meth Date : 15-Aug-2011 09:56 10gcv1.i Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-2.b/G1-22433.d

Report Date: 08/15/2011

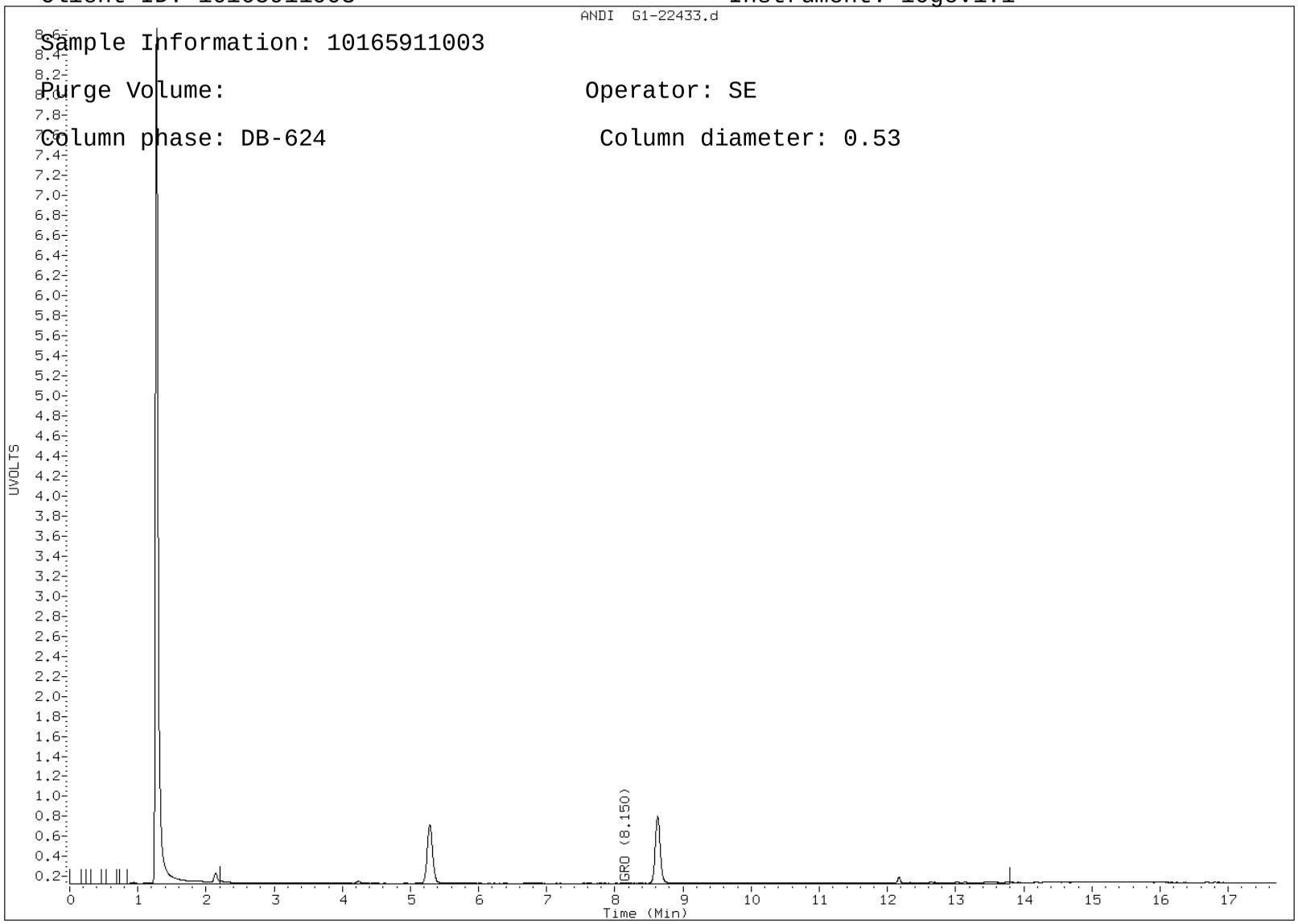
Sample ID: 10165911003

Client ID: 10165911003 Instrument: 10gcv1.i

Sample Information: 10165911003

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:56

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G1-22434.d
Lab Smp Id: 10165911006 Client Smp ID: 10165911006
Inj Date : 12-AUG-2011 21:39
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911006
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G111-GROsoil224.m
Meth Date : 15-Aug-2011 09:56 10gcv1.i Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-2.b/G1-22434.d

Report Date: 08/15/2011

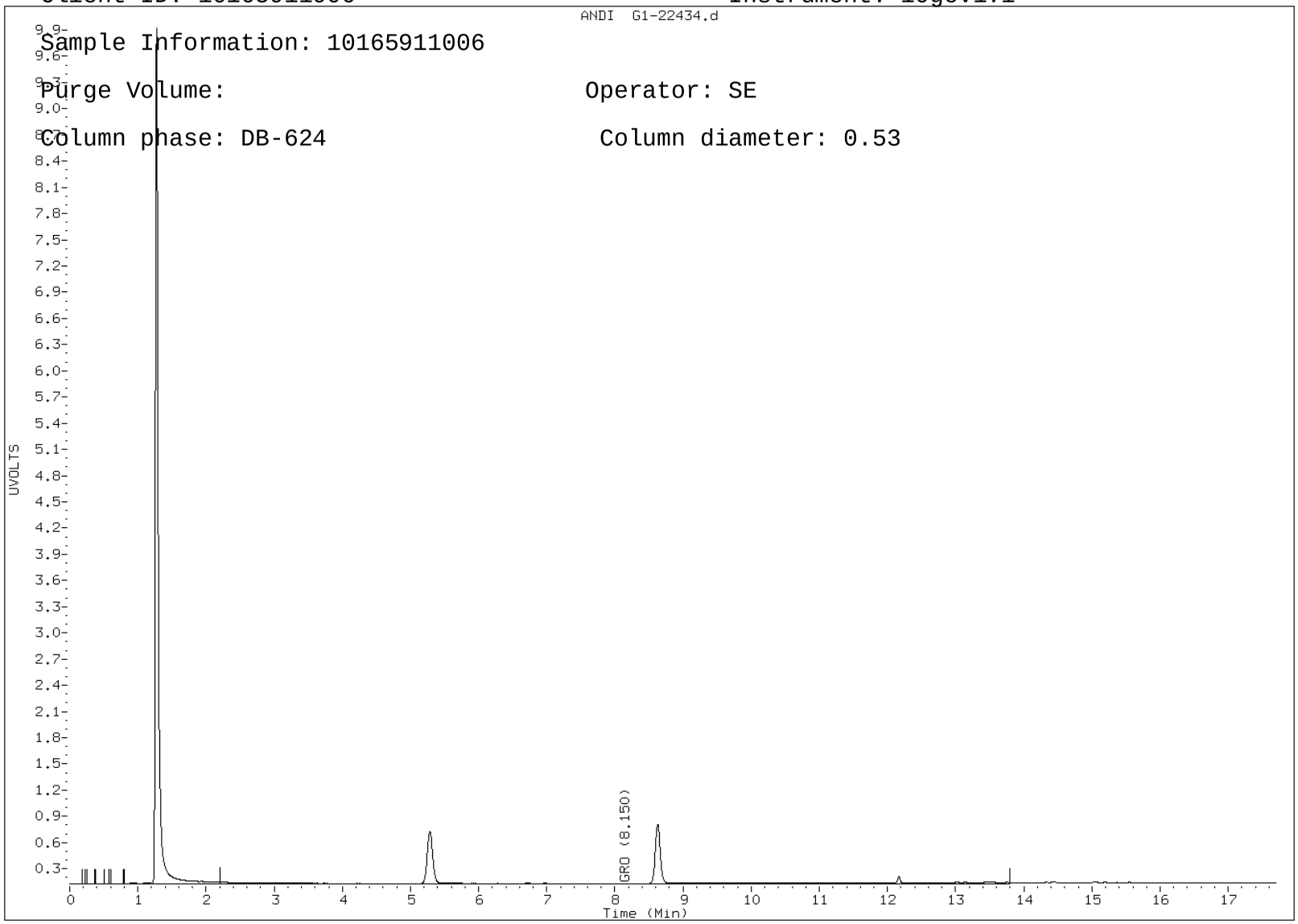
Sample ID: 10165911006

Client ID: 10165911006 Instrument: 10gcv1.i

Sample Information: 10165911006

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:56

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G1-22432.d
Lab Smp Id: 10165911001 Client Smp ID: 10165911001
Inj Date : 12-AUG-2011 20:52
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911001
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G111-GROsoil224.m
Meth Date : 15-Aug-2011 09:56 10gcv1.i Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-2.b/G1-22432.d

Report Date: 08/15/2011

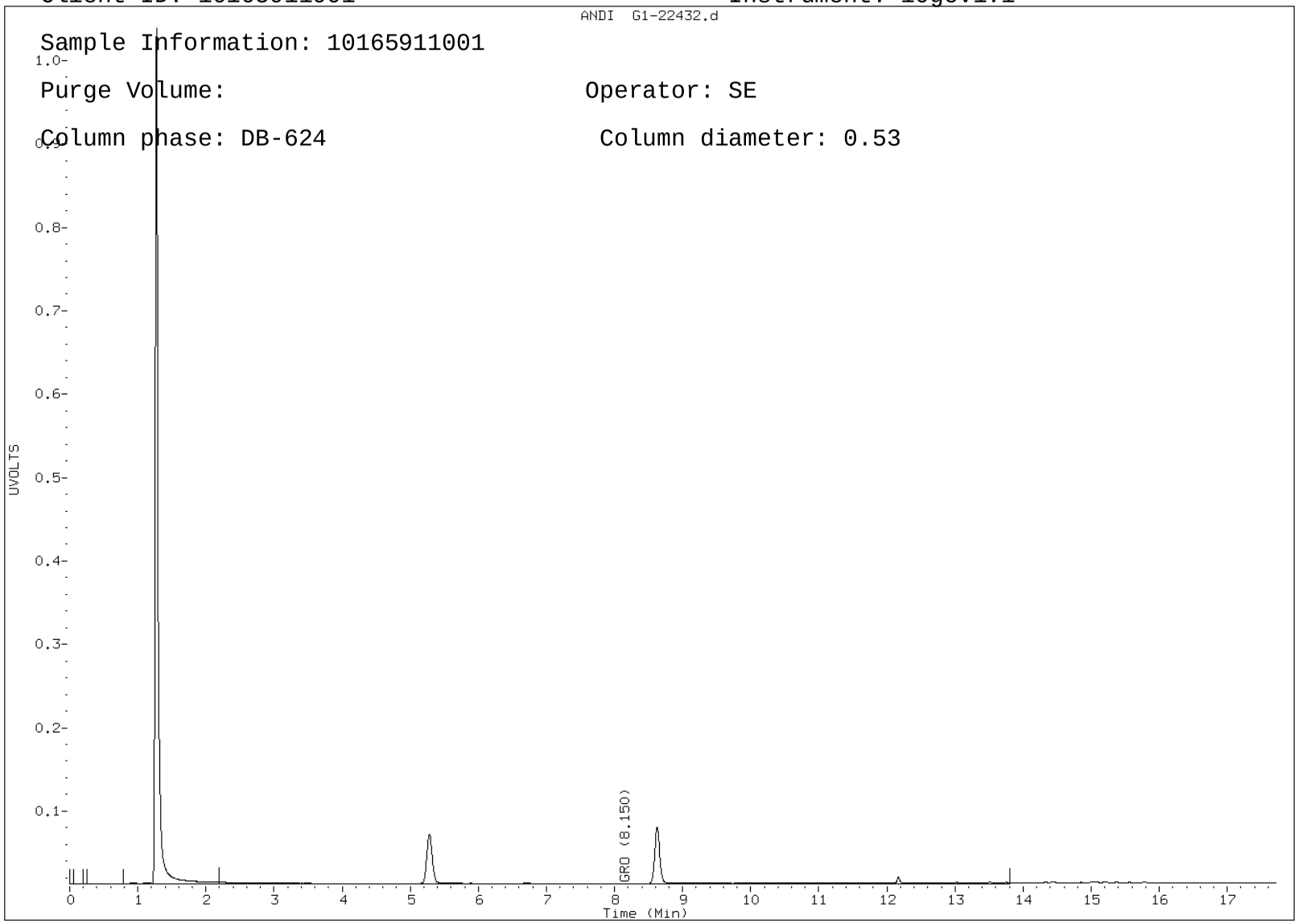
Sample ID: 10165911001

Client ID: 10165911001 Instrument: 10gcv1.i

Sample Information: 10165911001

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:56

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G1-22435.d
Lab Smp Id: 10165911007 Client Smp ID: 10165911007
Inj Date : 12-AUG-2011 22:03
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911007
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G111-GROsoil224.m
Meth Date : 15-Aug-2011 09:56 10gcv1.i Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-2.b/G1-22435.d

Report Date: 08/15/2011

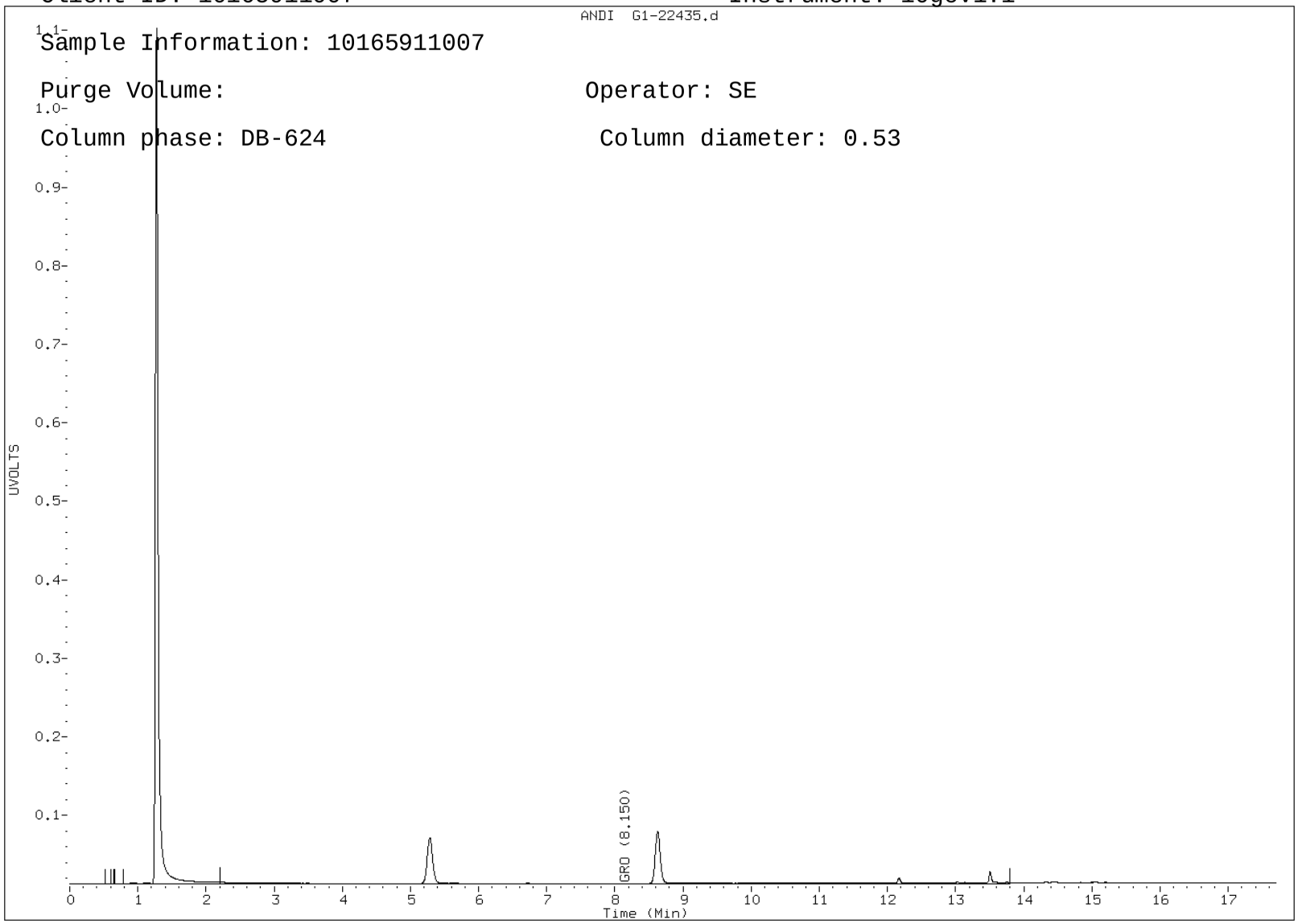
Sample ID: 10165911007

Client ID: 10165911007 Instrument: 10gcv1.i

Sample Information: 10165911007

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:56

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G1-22436.d
Lab Smp Id: 10165911008 Client Smp ID: 10165911008
Inj Date : 12-AUG-2011 22:26
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911008
Misc Info : 8291
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-2.b\G111-GROsoil224.m
Meth Date : 15-Aug-2011 09:56 10gcv1.i Quant Type: ESTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-2.b/G1-22436.d

Report Date: 08/15/2011

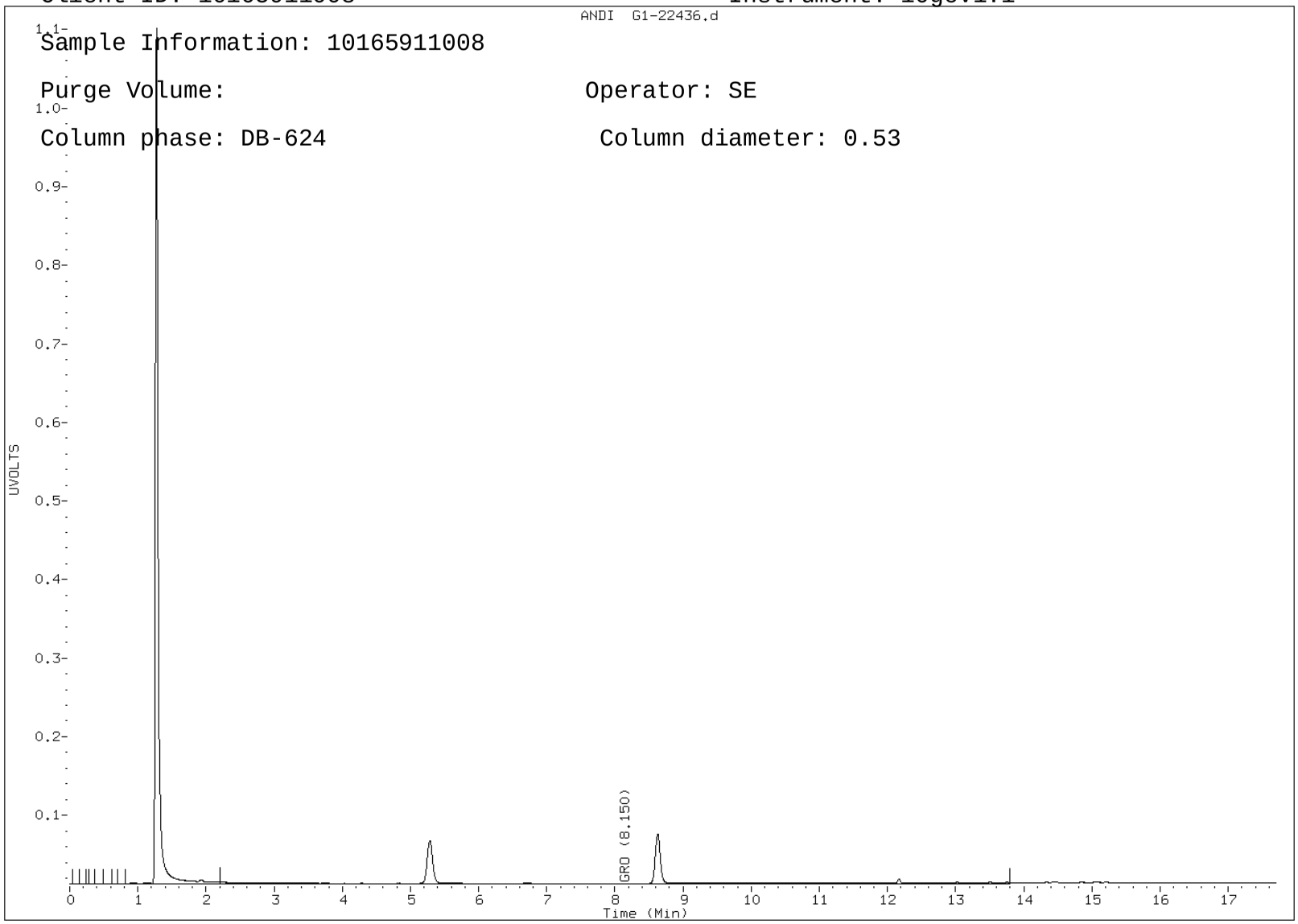
Sample ID: 10165911008

Client ID: 10165911008 Instrument: 10gcv1.i

Sample Information: 10165911008

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:52

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G1-22434.d
Lab Smp Id: 10165911006 Client Smp ID: 10165911006
Inj Date : 12-AUG-2011 21:39
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911006
Misc Info : 8291
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G111-BTEXsoil224.m
Meth Date : 15-Aug-2011 09:51 10gcv1.i Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.283	5.280	(0.612)	333616	20.4103	1.02
	4 Toluene	6.710	6.700	(0.778)	2928	0.08626	0.00431(a)
*	5 Chlorofluorobenzene	8.626	8.623	(1.000)	671400	20.0000	
	6 Ethylbenzene	9.313	9.313	(1.080)	812	0.02950	0.00148(a)
	7 m&p-Xylene	9.480	9.486	(1.099)	2524	0.07605	0.00380(a)
	8 o-Xylene	9.993	9.983	(1.158)	1501	0.04983	0.00249(a)
	10 1,3,5-Trimethylbenzene	11.050	11.050	(1.281)	2773	0.07333	0.00367(a)
	11 1,2,4-Trimethylbenzene	11.410	11.400	(1.323)	3049	0.09815	0.00491(a)
	12 Naphthalene	13.503	13.503	(1.565)	7690	0.50331	0.0252(a)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-1.b/G1-22434.d

Report Date: 08/15/2011

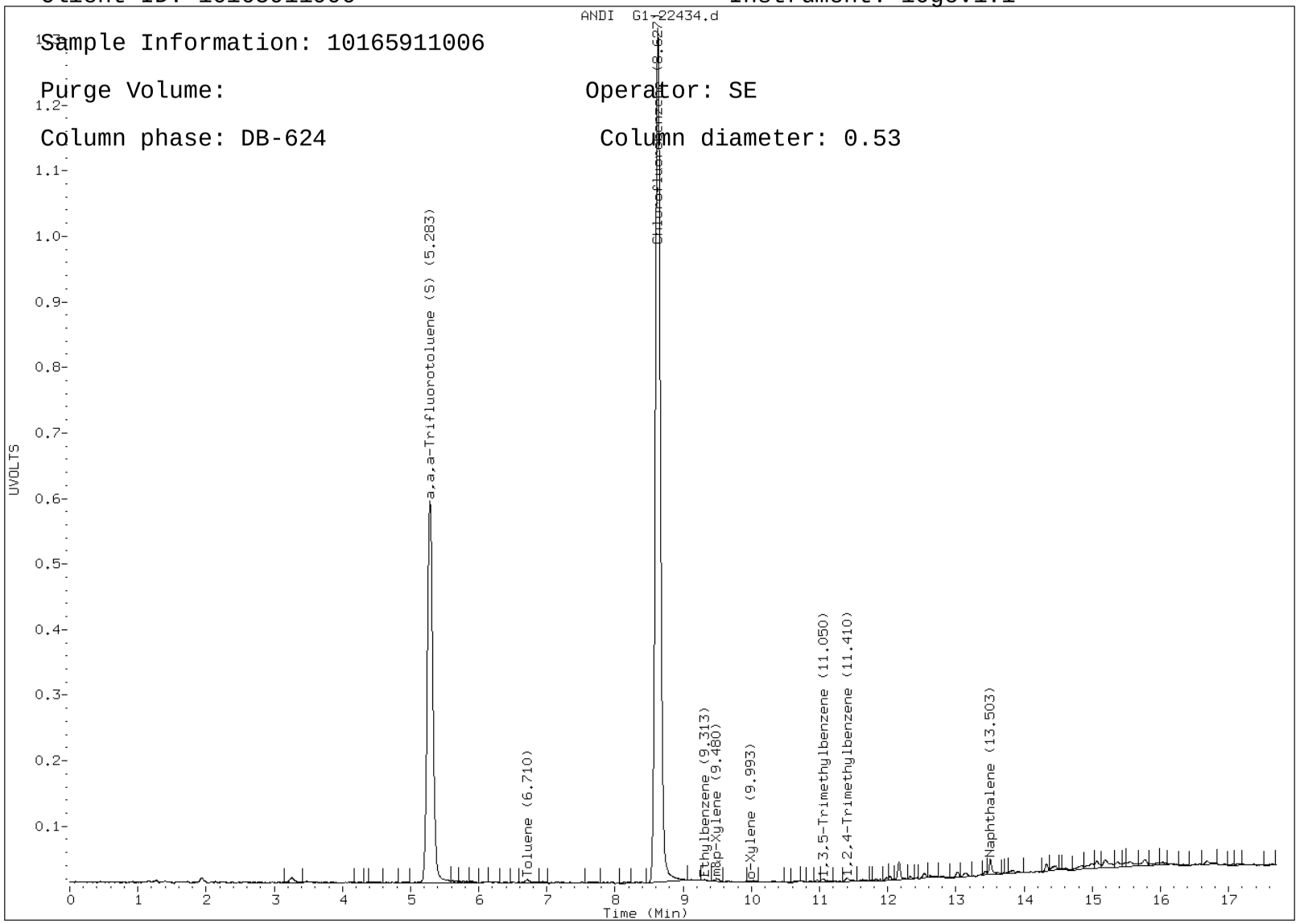
Sample ID: 10165911006

Client ID: 10165911006 Instrument: 10gcv1.i

Sample Information: 10165911006

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:52

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G1-22432.d
Lab Smp Id: 10165911001 Client Smp ID: 10165911001
Inj Date : 12-AUG-2011 20:52
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911001
Misc Info : 8291
Comment : PVOC - MODIFIED 8021B
Method : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G111-BTEXsoil224.m
Meth Date : 15-Aug-2011 09:51 10gcv1.i Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	2.433	2.403	(0.282)	1660	0.22800	0.0114(a)
	2 Benzene	4.023	4.086	(0.467)	989	0.02749	0.00137(a)
$	3 a,a,a-Trifluorotoluene (S)	5.283	5.280	(0.613)	332455	20.4644	1.02
	4 Toluene	6.710	6.700	(0.778)	2356	0.06984	0.00349(a)
*	5 Chlorofluorobenzene	8.623	8.623	(1.000)	667295	20.0000	
	6 Ethylbenzene	9.300	9.313	(1.078)	791	0.02892	0.00144(a)
	7 m&p-Xylene	9.500	9.486	(1.102)	1923	0.05830	0.00291(a)
	8 o-Xylene	10.026	9.983	(1.163)	1496	0.04997	0.00250(a)
	10 1,3,5-Trimethylbenzene	10.976	11.050	(1.273)	2694	0.07168	0.00358(a)
	11 1,2,4-Trimethylbenzene	11.403	11.400	(1.322)	3191	0.10335	0.00517(a)
	12 Naphthalene	13.506	13.503	(1.566)	8131	0.53545	0.0268(a)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-1.b/G1-22432.d

Report Date: 08/15/2011

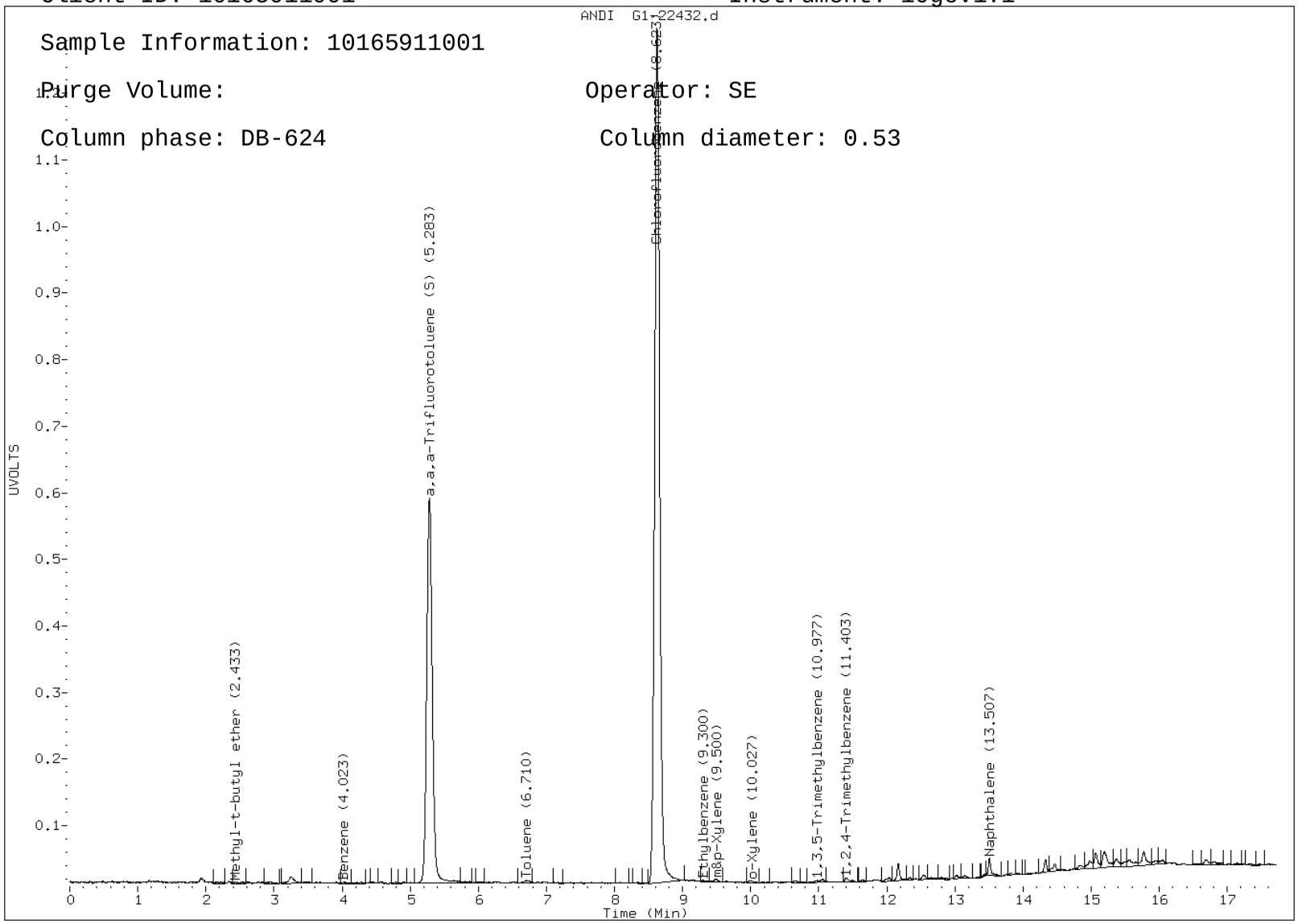
Sample ID: 10165911001

Client ID: 10165911001 Instrument: 10gcv1.i

Sample Information: 10165911001

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:52

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G1-22433.d
Lab Smp Id: 10165911003 Client Smp ID: 10165911003
Inj Date : 12-AUG-2011 21:16
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911003
Misc Info : 8291
Comment : PVOC - MODIFIED 8021B
Method : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G111-BTEXsoil224.m
Meth Date : 15-Aug-2011 09:51 10gcv1.i Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.116	4.086	(0.477)	1274	0.03557	0.00178(a)
$	3 a,a,a-Trifluorotoluene (S)	5.283	5.280	(0.613)	323627	20.0112	1.00
	4 Toluene	6.720	6.700	(0.779)	2935	0.08740	0.00437(a)
*	5 Chlorofluorobenzene	8.623	8.623	(1.000)	664287	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.496	9.486	(1.101)	2144	0.06529	0.00326(a)
	8 o-Xylene	9.996	9.983	(1.159)	3138	0.10528	0.00526(a)
	10 1,3,5-Trimethylbenzene	11.050	11.050	(1.281)	3768	0.10071	0.00504(a)
	11 1,2,4-Trimethylbenzene	11.403	11.400	(1.322)	2355	0.07662	0.00383(a)
	12 Naphthalene	13.503	13.503	(1.566)	6886	0.45552	0.0228(a)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-1.b/G1-22433.d

Report Date: 08/15/2011

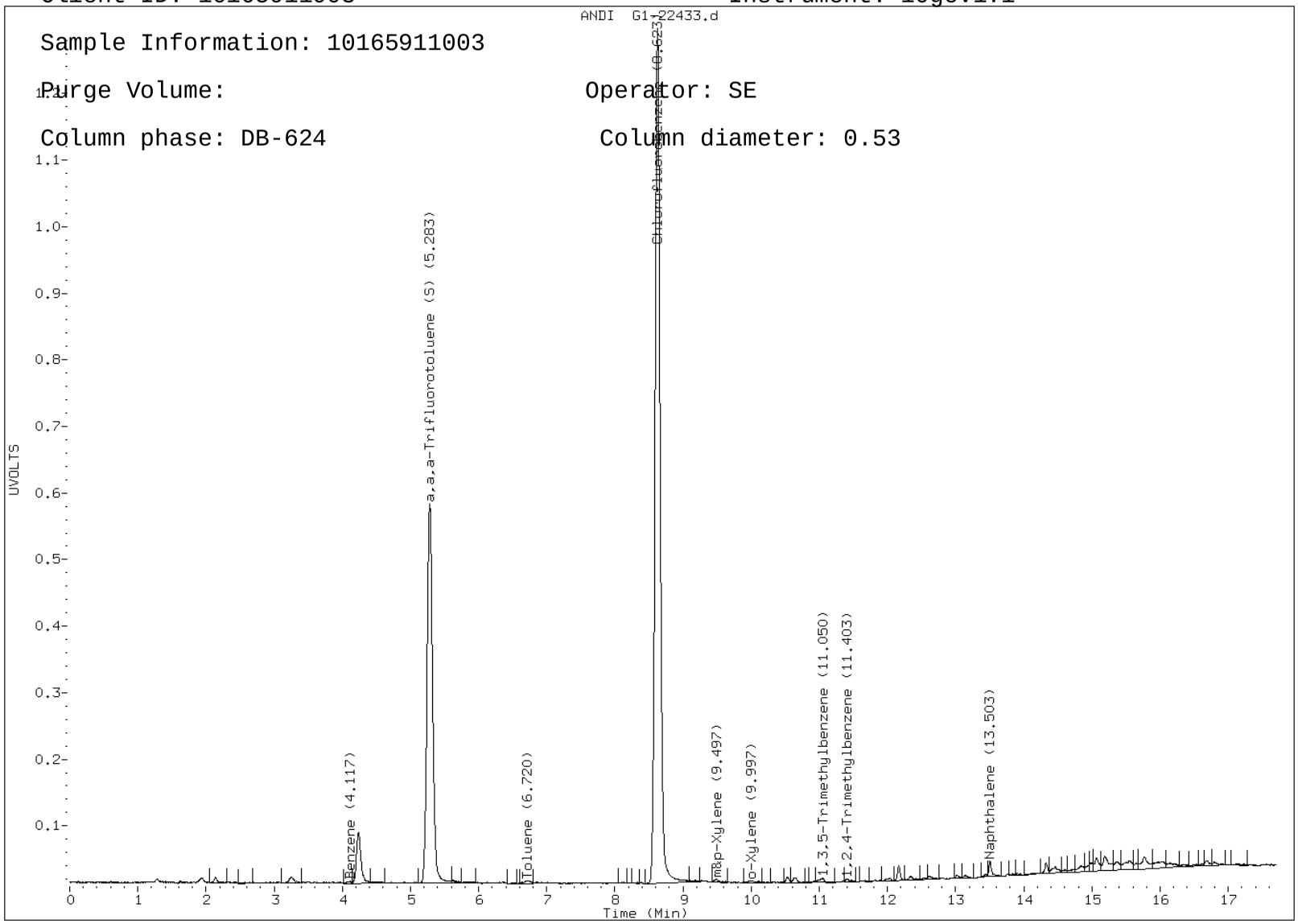
Sample ID: 10165911003

Client ID: 10165911003 Instrument: 10gcv1.i

Sample Information: 10165911003

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:52

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G1-22436.d
Lab Smp Id: 10165911008 Client Smp ID: 10165911008
Inj Date : 12-AUG-2011 22:26
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911008
Misc Info : 8291
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G111-BTEXsoil224.m
Meth Date : 15-Aug-2011 09:51 10gcv1.i Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.283	5.280	(0.612)	307281	19.9568	0.998
	4 Toluene	6.716	6.700	(0.779)	4148	0.12973	0.00649(a)
*	5 Chlorofluorobenzene	8.626	8.623	(1.000)	632453	20.0000	
	6 Ethylbenzene	9.306	9.313	(1.079)	1973	0.07610	0.00380(a)
	7 m&p-Xylene	9.496	9.486	(1.101)	1824	0.05834	0.00292(a)
	8 o-Xylene	10.000	9.983	(1.159)	1531	0.05395	0.00270(a)
	10 1,3,5-Trimethylbenzene	11.053	11.050	(1.281)	1965	0.05517	0.00276(a)
	11 1,2,4-Trimethylbenzene	11.410	11.400	(1.323)	3648	0.12466	0.00623(a)
	12 Naphthalene	13.503	13.503	(1.565)	13129	0.91221	0.0456(a)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-1.b/G1-22436.d

Report Date: 08/15/2011

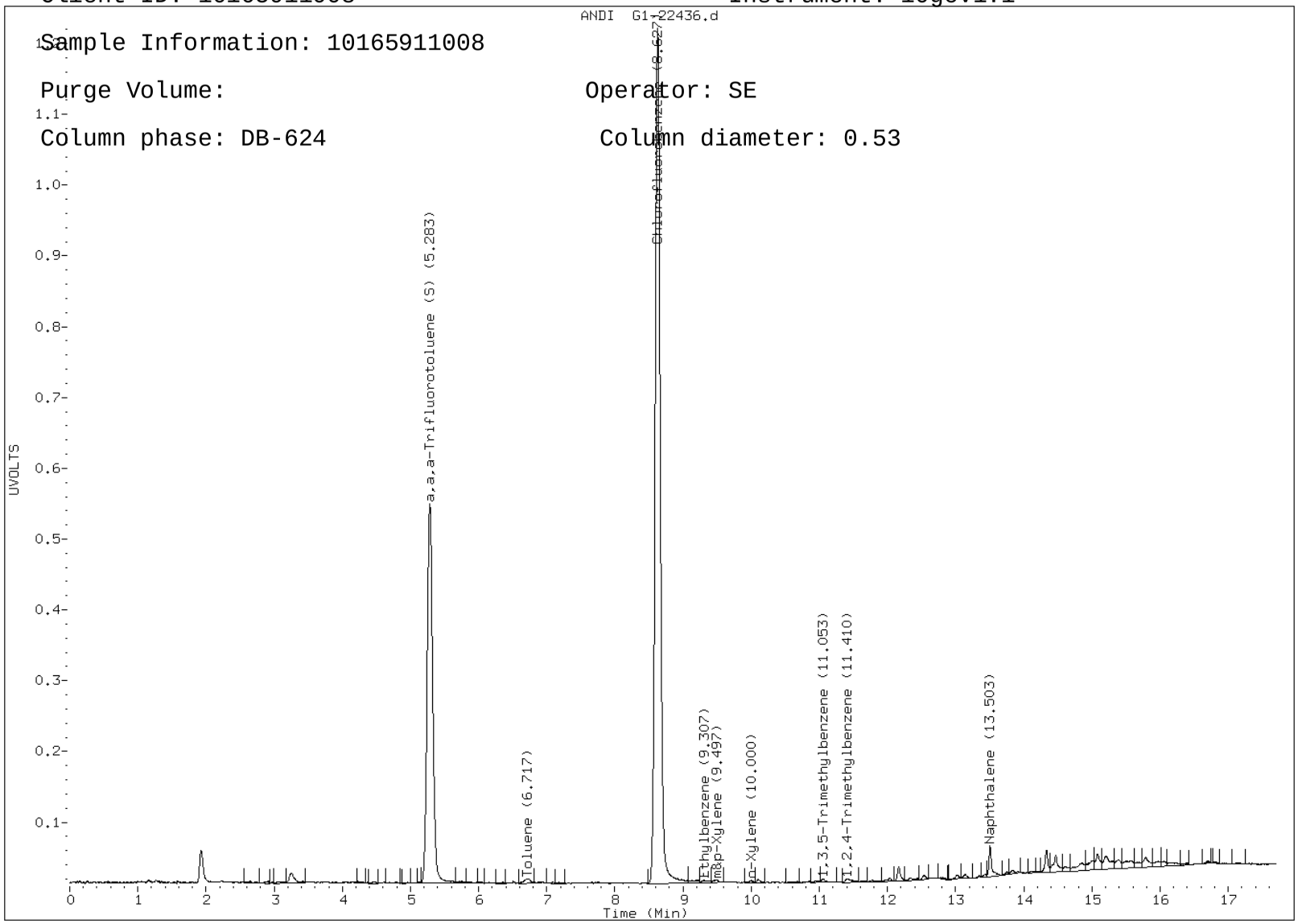
Sample ID: 10165911008

Client ID: 10165911008 Instrument: 10gcv1.i

Sample Information: 10165911008

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 15-Aug-2011 09:52

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G1-22435.d
Lab Smp Id: 10165911007 Client Smp ID: 10165911007
Inj Date : 12-AUG-2011 22:03
Operator : SE Inst ID: 10gcv1.i
Smp Info : 10165911007
Misc Info : 8291
Comment : PVOC - MODIFIED 8021B
Method : \\192.168.10.12\chem\10gcv1.i\081211b-1.b\G111-BTEXsoil224.m
Meth Date : 15-Aug-2011 09:51 10gcv1.i Quant Type: ISTD
Cal Date : 12-AUG-2011 12:59 Cal File: G1-22412.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.283	5.280	(0.612)	324608	20.2674	1.01
	4 Toluene	6.720	6.700	(0.779)	2093	0.06293	0.00315(a)
*	5 Chlorofluorobenzene	8.626	8.623	(1.000)	657878	20.0000	
	6 Ethylbenzene	9.313	9.313	(1.080)	847	0.03141	0.00157(a)
	7 m&p-Xylene	9.506	9.486	(1.102)	1967	0.06048	0.00302(a)
	8 o-Xylene	9.983	9.983	(1.157)	1124	0.03808	0.00190(a)
	10 1,3,5-Trimethylbenzene	11.050	11.050	(1.281)	2081	0.05616	0.00281(a)
	11 1,2,4-Trimethylbenzene	11.400	11.400	(1.321)	2825	0.09281	0.00464(a)
	12 Naphthalene	13.503	13.503	(1.565)	110524	7.38251	0.369

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv1.i\081211b-1.b/G1-22435.d

Report Date: 08/15/2011

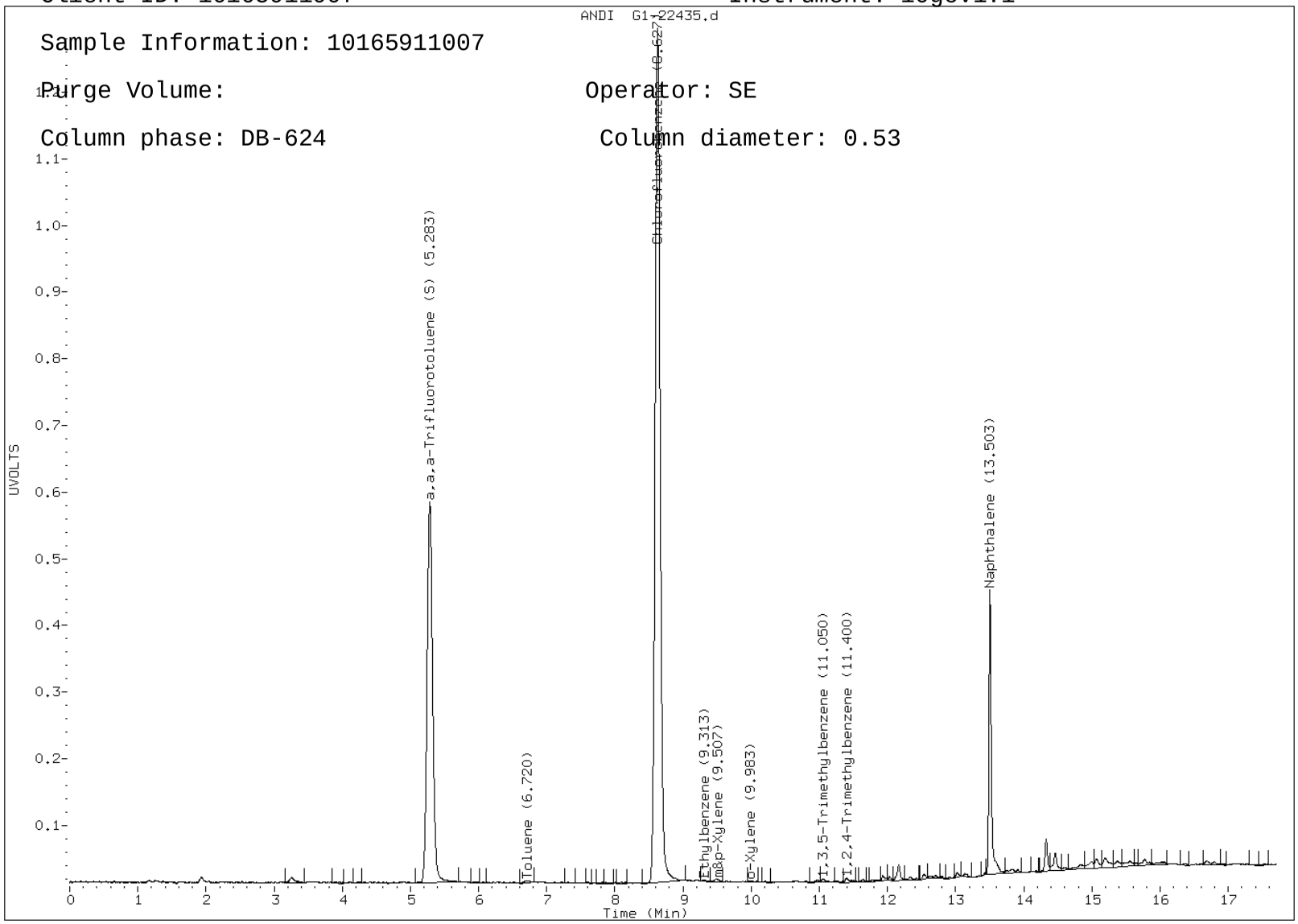
Sample ID: 10165911007

Client ID: 10165911007 Instrument: 10gcv1.i

Sample Information: 10165911007

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 12-Aug-2011 10:42

Pace Analytical Services, Inc.

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081111a-2.b\G1-22312.d
Lab Smp Id: 10165911002
Inj Date : 11-AUG-2011 14:07
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911002
Misc Info : 8289
Comment   : Modified WIGRO
Method   : \\192.168.10.12\chem\10gcv3.i\081111a-2.b\g311-wigro-218.m
Meth Date : 12-Aug-2011 10:34 sellefson Quant Type: ESTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
S 5 GRO	2.150	-13.810		1161671	10.1162	10.12(a)

QC Flag Legend

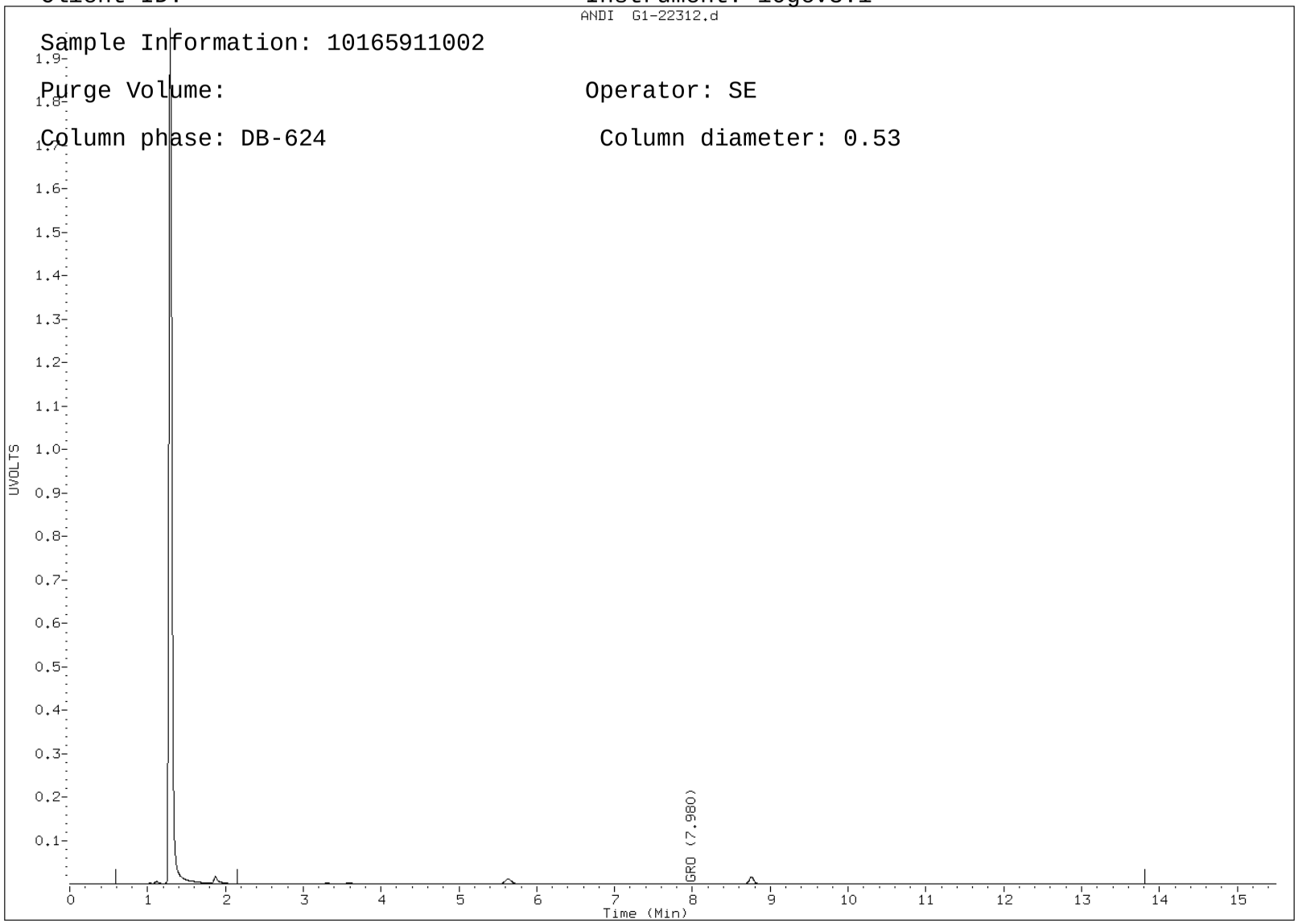
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081111a-2.b/G1-22312.d

Report Date: 08/12/2011

Sample ID: 10165911002

Client ID: Instrument: 10gcv3.i



Sample Information: 10165911002

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081111a-1.b\G1-22312.d
Lab Smp Id: 10165911002
Inj Date : 11-AUG-2011 14:07
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10165911002
Misc Info : 8289
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081111a-1.b\g311-btex-218.m
Meth Date : 12-Aug-2011 10:34 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	2 Methyl-t-butyl ether	Compound Not Detected.					
	3 Benzene	4.280	4.276	(0.489)	2122	1.11961	1.12
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	36674	20.4851	20.5
	5 Toluene	7.126	7.126	(0.814)	1845	0.90666	0.907(a)
*	6 Chlorofluorobenzene	8.756	8.756	(1.000)	78318	20.0000	
	7 Ethylbenzene	Compound Not Detected.					
	8 m&p-Xylene	9.566	9.563	(1.093)	1067	0.45038	0.450(a)
	9 o-Xylene	10.050	10.106	(1.148)	2225	1.05380	1.05
	10 1,3,5-Trimethylbenzene	11.126	11.213	(1.271)	1034	0.32896	0.329(a)
	11 1,2,4-Trimethylbenzene	11.570	11.563	(1.321)	844	0.33643	0.336(a)
	12 Naphthalene	13.653	13.583	(1.559)	1542	0.90070	0.901(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081111a-1.b/G1-22312.d

Report Date: 08/12/2011

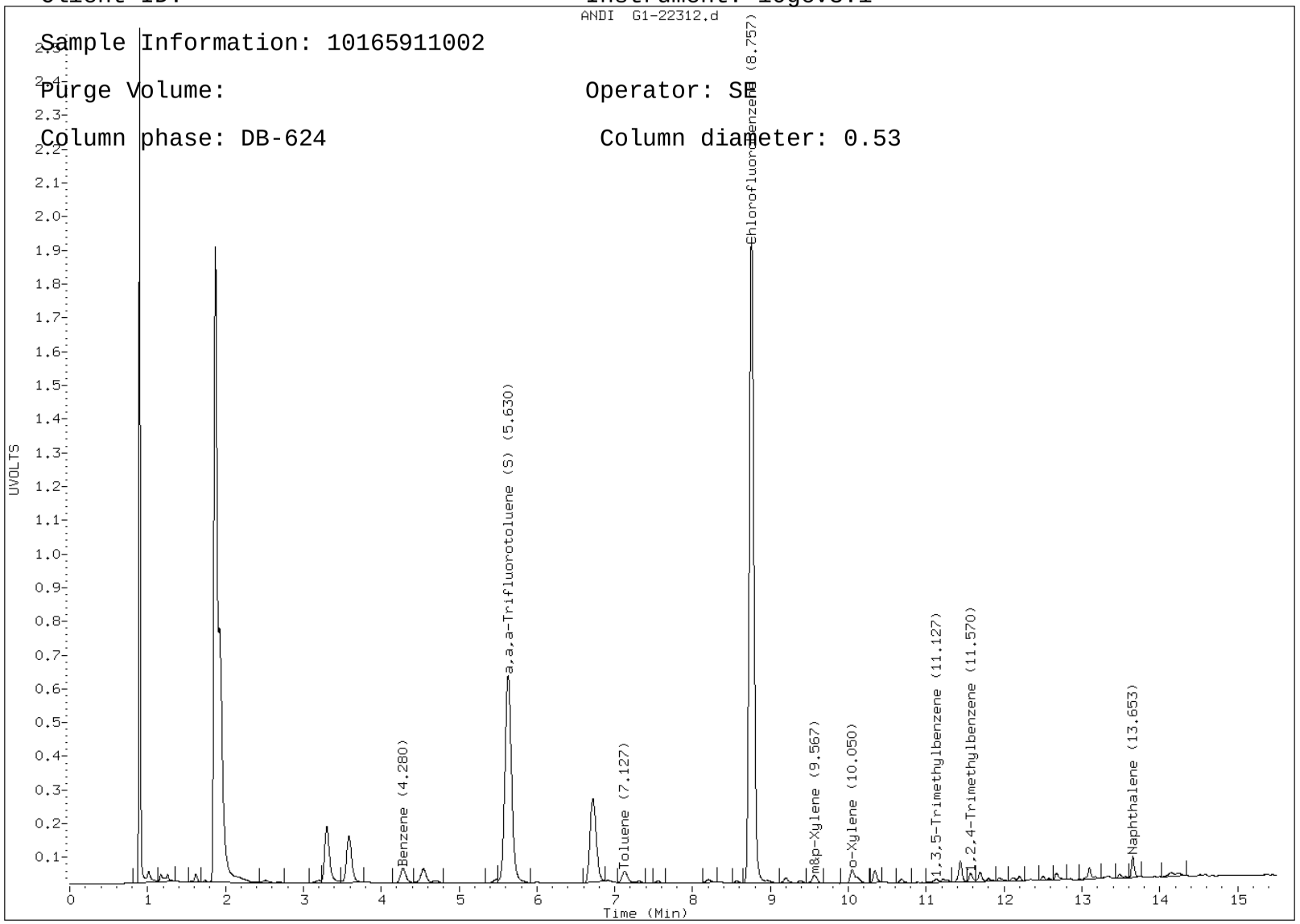
Sample ID: 10165911002

Client ID: Instrument: 10gcv3.i

Sample Information: 10165911002

Purge Volume: Operator: SM

Column phase: DB-624 Column diameter: 0.53



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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10165911

Page : 1 Of 2

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive
	Saint Paul, MN 55110
Email To:	ccarlson@sehinc.com
Phone:	(612) 759-1545 Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	Christine Carlson
Copy To:	
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project No:	115437 Lafayette Bridge Replacement
Container Order Number:	

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	21930

Regulatory Agency: Minnesota

State / Location:

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	TCLP	Residual Chlorine (Y/N)	
1	GP-01-3	AF	sl	g	8/8	1000				11	7						4			x	x	x	x	x						x			001
2	GP-01-8W	AF	w	g	8/8	1020				11	2			8	1					x	x	x	x	x									002
3	GP-02-7	AG	sl	g	8/8	1100				11	7						4			x	x	x	x	x			x	x		x			003
4	GP-02-10W	AG	w	g	8/8	1145				11	2			8	1					x	x	x	x	x									004
5	GP-02-10	AG	sl	g	8/8	1200				9	5						4			x	x	x	x	x						x			005
6	GP-03-3	AE	sl	g	8/8	1245				10	6						4			x	x	x	x	x						x			006
7	GP-03-15	AE	sl	g	8/8	1315				10	6						4			x	x	x	x	x						x			007
8	GP-04-3	AD	sl	g	8/8	1430				8	4						4			x	x	x	x	x						x			008
9	GP-04-8	AD	sl	g	8/8	1450				9	5						4			x	x	x	x	x						x			009
10	GP-04-8.5W	AD	w	g	8/8	1430				11	2				8	1				x	x	x	x	x									010
11	GP-05-2	W	sl	g	8/8	1515				2	2																	x	x		x			011
12	GP-05-8	W	sl	g	8/8	1600				4	2						2					x	x	x							x			012

240 01 242

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
There are some extra jars - hold these and run what is listed on COC.		8/9	1200	E Pace	8/9/11	1200				
	Pace	8/9/11	1235	SAT Pace	8/9/11	1232	5.8	Y	N	Y
							6.0			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: page 2

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10165911

Section A
Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive
	Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B
Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I	STLOU 106311
Container Order Number:	49263

Section C
Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Minnesota

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test (Y/N)	DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)
1	GP-05-15	W	DW	G	8/8	1610				8	4						4			X	X	X	X	X							D13
2	GP-06-21	X	SL	G	8/8	1700				4	2						2					X	X	X							D14
3	GP-06-46	X	SL	G	8/8	1710				4	2						2					X	X	X							D15
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN KINNY

SIGNATURE of SAMPLER: [signature] DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: F-L-213 Rev.01	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: SEH

Project # 10165911

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ____ No ____

Thermometer Used 80344042 or 80512447 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.9, 6.0 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8-9-11 KB

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A
-Pace Containers Used:	☑Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A
Sample Labels match COC:	☐Yes	☑No	☐N/A
-Includes date/time/ID/Analysis Matrix: WT/SL			
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☑Yes	☐No	☐N/A
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A
Exceptions: VOA, Coliform, TOC, Oil and Grease, (WI-DRO) (water)	☑Yes	☐No	
Samples checked for dechlorination:	☐Yes	☐No	☑N/A
Headspace in VOA Vials (>6mm):	☑Yes	☐No	☐N/A
Trip Blank Present:	☐Yes	☑No	☐N/A
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A
Pace Trip Blank Lot # (if purchased): _____			

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. No vials for GP-04-8.5L
9. _____
10. _____
11. _____
12. 1 OF 2 AG1H NOT LABELED, BUT 'PARTY PACKED' WITH GP-04
1 OF 2 JGFU NOT LABELED, BUT 'PARTY PACKED' WITH GP-04
13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
Samp # 002, 004, 010 - 1/1
Initial when completed: KB Lot # of added preservative: _____
14. _____
15. GP-02-10W 2/6
16. _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Christine Carlson Date/Time: 8-10-11

Comments/ Resolution: metals are field filtered
Unit to run for N2 Hydroxide
Only 2 vials for 010 - Ran VOCs 8-11-11

Project Manager Review: CKD **Date:** 8-10-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 20, 2011

John Kinny
SEH
3535 Vadnais Center Drive
Saint Paul, MN 55110

RE: Project: STLOU 106311 REV
Pace Project No.: 10166204

Dear John Kinny:
Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

This report has been revised to change the units of measure for some compounds and to add TCP-VOCs to sample GP-05-15.

This report was revised to add DRO with silica gel clean up.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

cc: Christine Carlson, Short Elliott Hendrickson

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10166204001	**GP-07-16**	Solid	08/09/11 09:30	08/10/11 17:46
10166204002	**GP-07-4**	Solid	08/09/11 10:00	08/10/11 17:46
10166204003	**GP-07-8**	Solid	08/09/11 10:05	08/10/11 17:46
10166204004	**GP-07-8.5W**	Water	08/09/11 09:30	08/10/11 17:46
10166204005	**GP-08-5**	Solid	08/09/11 11:15	08/10/11 17:46
10166204006	**GP-08-14**	Solid	08/09/11 11:30	08/10/11 17:46
10166204007	**GP-08-9.5W**	Water	08/09/11 11:20	08/10/11 17:46
10166204008	**GP-09-5**	Solid	08/09/11 12:00	08/10/11 17:46
10166204009	**GP-09-10**	Solid	08/09/11 12:15	08/10/11 17:46
10166204010	**GP-09-9.5W**	Water	08/09/11 12:00	08/10/11 17:46
10166204011	**GP-10-7**	Solid	08/09/11 13:00	08/10/11 17:46
10166204012	**GP-10-6.5W**	Water	08/09/11 13:15	08/10/11 17:46
10166204013	**GP-11-4**	Solid	08/09/11 13:50	08/10/11 17:46
10166204014	**GP-11-7**	Solid	08/09/11 14:00	08/10/11 17:46
10166204015	**GP-10-6.5W**	Water	08/09/11 13:45	08/10/11 17:46
10166204016	**GP-12-8**	Solid	08/09/11 14:30	08/10/11 17:46
10166204017	**GP-12-12**	Solid	08/09/11 15:00	08/10/11 17:46
10166204018	**GP-13-10**	Solid	08/09/11 15:30	08/10/11 17:46
10166204019	**GP-14-4**	Solid	08/09/11 16:20	08/10/11 17:46
10166204020	**GP-14-8**	Solid	08/09/11 16:45	08/10/11 17:46
10166204021	**GP-14-8.5W**	Water	08/09/11 17:00	08/10/11 17:46
10166204022	**GP-12-15W**	Water	08/09/11 15:00	08/10/11 17:46
10166204024	**Trip Blank**	Solid	08/09/11 00:00	08/10/11 17:46

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10166204001	**GP-07-16**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204002	**GP-07-4**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	MJH	71	PASI-M
10166204003	**GP-07-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166204004	**GP-07-8.5W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	ECB	73	PASI-M
		SM 4500-CN-E	MWD	1	PASI-M
10166204005	**GP-08-5**	WI MOD DRO	JRH	2	PASI-M
		WI MOD DRO	KL1	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-CN-E	SRM1	1	PASI-K
10166204006	**GP-08-14**	WI MOD DRO	JRH	2	PASI-M
		WI MOD DRO	KL1	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204007	**GP-08-9.5W**	EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166204008	**GP-09-5**	WI MOD DRO	JRH	2	PASI-M
		WI MOD DRO	MT	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204009	**GP-09-10**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166204010	**GP-09-9.5W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
		SM 4500-CN-E	MWD	1	PASI-M
10166204011	**GP-10-7**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204012	**GP-10-6.5W**	EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166204013	**GP-11-4**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204014	**GP-11-7**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204015	**GP-10-6.5W**	EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166204016	**GP-12-8**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204017	**GP-12-12**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204018	**GP-13-10**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204019	**GP-14-4**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	JRH	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204020	**GP-14-8**	EPA 8082	KL1	11	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166204021	**GP-14-8.5W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166204022	**GP-12-15W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166204024	**Trip Blank**	WI MOD GRO	SE	2	PASI-M
		EPA 8260	CNC	71	PASI-M

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H2: Extraction or preparation was conducted outside of the recognized method holding time.
- GP-12-12 (Lab ID: 10166204017)

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/16516

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204017

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- MS (Lab ID: 1045340)
  - PCB-1016 (Aroclor 1016)
  - PCB-1260 (Aroclor 1260)
- MSD (Lab ID: 1045341)
  - PCB-1016 (Aroclor 1016)
  - PCB-1260 (Aroclor 1260)

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16516

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- GP-12-12 (Lab ID: 10166204017)
  - Tetrachloro-m-xylene (S)
- MS (Lab ID: 1045340)
  - Tetrachloro-m-xylene (S)
- MSD (Lab ID: 1045341)
  - Tetrachloro-m-xylene (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
9 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16328

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GP-09-10 (Lab ID: 10166204009)
  - n-Triacontane (S)
- GP-12-12 (Lab ID: 10166204017)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16328

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- GP-07-8 (Lab ID: 10166204003)
  - n-Triacontane (S)

T6: High boiling point hydrocarbons are present in the sample.

- GP-07-16 (Lab ID: 10166204001)
  - Diesel Range Organics
- GP-07-4 (Lab ID: 10166204002)
  - Diesel Range Organics
- GP-07-8 (Lab ID: 10166204003)
  - Diesel Range Organics
- GP-08-14 (Lab ID: 10166204006)
  - Diesel Range Organics
- GP-08-5 (Lab ID: 10166204005)
  - Diesel Range Organics
- GP-09-10 (Lab ID: 10166204009)
  - Diesel Range Organics
- GP-09-5 (Lab ID: 10166204008)
  - Diesel Range Organics
- GP-12-12 (Lab ID: 10166204017)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-08-14 (Lab ID: 10166204006)
- GP-08-5 (Lab ID: 10166204005)
- GP-09-5 (Lab ID: 10166204008)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16678

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1056752)
  - Diesel Range Organics
- LCSD (Lab ID: 1056753)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16678

C0: Result confirmed by second analysis.

- LCS (Lab ID: 1056752)
  - Diesel Range Organics
- LCSD (Lab ID: 1056753)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
4 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- GP-07-8.5W (Lab ID: 10166204004)
- GP-09-9.5W (Lab ID: 10166204010)
- GP-12-15W (Lab ID: 10166204022)
- GP-14-8.5W (Lab ID: 10166204021)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16314

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-12-15W (Lab ID: 10166204022)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16314

T6: High boiling point hydrocarbons are present in the sample.
- GP-07-8.5W (Lab ID: 10166204004)
  - Diesel Range Organics

T7: Low boiling point hydrocarbons are present in the sample.
- GP-07-8.5W (Lab ID: 10166204004)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
10 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: GCV/8292

1M: Surrogate recovery outside laboratory control limits due to matrix interferences.
- GP-12-12 (Lab ID: 10166204017)
  - a,a,a-Trifluorotoluene (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
4 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 20, 2011

General Information:
18 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/27692

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204001,10166204020

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1031844)
  - Lead
- MSD (Lab ID: 1031845)
  - Lead

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: SEH_MN
Date: September 20, 2011

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 7470**
Description: 7470 Mercury
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 7471**
Description: 7471 Mercury
Client: SEH_MN
Date: September 20, 2011

General Information:
15 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/5786

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10165911001,10166204009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1031851)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

General Information:
22 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-07-16 (Lab ID: 10166204001)
- GP-07-4 (Lab ID: 10166204002)
- GP-07-8 (Lab ID: 10166204003)
- GP-08-14 (Lab ID: 10166204006)
- GP-08-5 (Lab ID: 10166204005)
- GP-09-10 (Lab ID: 10166204009)
- GP-09-5 (Lab ID: 10166204008)
- GP-10-7 (Lab ID: 10166204011)
- GP-11-4 (Lab ID: 10166204013)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.

QC Batch: OEXT/16393

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- GP-09-10 (Lab ID: 10166204009)

The samples were prepared in accordance with EPA 3520 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16351

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-09-9.5W (Lab ID: 10166204010)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

QC Batch: OEXT/16351

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- Terphenyl-d14 (S)

- GP-12-15W (Lab ID: 10166204022)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

QC Batch: OEXT/16393

S0: Surrogate recovery outside laboratory control limits.
- MS (Lab ID: 1036709)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
- MSD (Lab ID: 1036710)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
  - Phenol-d6 (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-07-16 (Lab ID: 10166204001)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)
- GP-09-10 (Lab ID: 10166204009)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16393

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1036708)
  - Dimethylphthalate

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/16347

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033966)
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 1033967)
  - 1-Methylnaphthalene
  - 2,4-Dinitrophenol
  - 2-Methylnaphthalene
  - 4,6-Dinitro-2-methylphenol
  - Acenaphthene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Fluorene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

QC Batch: MSSV/6994

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

QC Batch: OEXT/16393

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10165911003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1036709)
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 2-Chlorophenol
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitrophenol
  - Pentachlorophenol
- MSD (Lab ID: 1036710)
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 2-Chlorophenol
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Chloro-3-methylphenol
  - 4-Nitrophenol
  - Pentachlorophenol
  - Phenol

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/16347

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1033966)
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - Chrysene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Phenanthrene
  - Pyrene

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16347

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MSD (Lab ID: 1033967)
  - 2-Methylnaphthalene
  - Acenaphthene
  - Anthracene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

QC Batch: OEXT/16393

D4: Sample was diluted due to the presence of high levels of target analytes.

- GP-07-16 (Lab ID: 10166204001)
  - Nitrobenzene-d5 (S)
- GP-09-10 (Lab ID: 10166204009)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

General Information:
16 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-07-16 (Lab ID: 10166204001)
- GP-07-4 (Lab ID: 10166204002)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17640

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- LCS (Lab ID: 1032153)
  - Dichlorofluoromethane
- LCSD (Lab ID: 1032154)
  - Dichlorofluoromethane
- MS (Lab ID: 1032155)
  - Dichlorofluoromethane

QC Batch: MSV/17644

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- LCS (Lab ID: 1032460)
  - Bromomethane
- LCSD (Lab ID: 1032461)
  - Bromomethane
- MS (Lab ID: 1032462)
  - Bromomethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

QC Batch: MSV/17640

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- GP-07-16 (Lab ID: 10166204001)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)

QC Batch: MSV/17644

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- GP-13-10 (Lab ID: 10166204018)
  - Dibromofluoromethane (S)
- GP-14-8 (Lab ID: 10166204020)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/17640

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1032153)
  - Dichlorofluoromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/17640

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- MS (Lab ID: 1032155)
  - Dichlorofluoromethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 1032155)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2-Trichloroethane
  - 1,1,2-Trichlorotrifluoroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloropropene
  - 1,2,4-Trichlorobenzene

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

QC Batch: MSV/17640

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Allyl chloride
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dibromomethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- sec-Butylbenzene

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

QC Batch: MSV/17640

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 20, 2011

General Information:
7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17647

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 1032547)
  - Acetone
- DUP (Lab ID: 1033080)
  - Acetone
- GP-08-9.5W (Lab ID: 10166204007)
  - Acetone
- GP-09-9.5W (Lab ID: 10166204010)
  - Acetone
- GP-12-15W (Lab ID: 10166204022)
  - Acetone
- GP-14-8.5W (Lab ID: 10166204021)
  - Acetone
- LCS (Lab ID: 1032548)
  - Acetone
- MS (Lab ID: 1033081)
  - Acetone

QC Batch: MSV/17666

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 1033547)
  - Acetone
- DUP (Lab ID: 1034174)
  - Acetone
- GP-10-6.5W (Lab ID: 10166204012)
  - Acetone
- GP-10-6.5W (Lab ID: 10166204015)
  - Acetone
- LCS (Lab ID: 1033548)
  - Acetone
- MS (Lab ID: 1034175)
  - Acetone

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 20, 2011

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Method: **SM 4500-CN-E**
Description: SM4500CN-E Cyanide
Client: SEH_MN
Date: September 20, 2011

General Information:
2 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-16 **Lab ID: 10166204001** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**29.8**	mg/kg	12.3	0.80	1	08/15/11 07:32	08/16/11 11:59		T6
n-Triacontane (S)	71	%	50-150		1	08/15/11 07:32	08/16/11 11:59		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	69.2	30.2	5	08/12/11 08:28	08/17/11 03:10		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/12/11 08:28	08/17/11 03:10	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.5**	mg/kg	1.0	0.50	1	08/12/11 13:50	08/15/11 16:44	7440-38-2	
Barium	**42.6**	mg/kg	1.0	0.040	1	08/12/11 13:50	08/15/11 16:44	7440-39-3	
Cadmium	**0.51**	mg/kg	0.10	0.020	1	08/12/11 13:50	08/15/11 16:44	7440-43-9	
Chromium	**3.1**	mg/kg	1.0	0.14	1	08/12/11 13:50	08/15/11 16:44	7440-47-3	
Lead	**93.1**	mg/kg	0.60	0.10	1	08/12/11 13:50	08/15/11 16:44	7439-92-1	M1
Selenium	**3.1**	mg/kg	1.5	0.26	1	08/12/11 13:50	08/15/11 16:44	7782-49-2	
Silver	ND	mg/kg	1.0	0.060	1	08/12/11 13:50	08/15/11 16:44	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.037	0.0030	1	08/15/11 15:41	08/16/11 15:02	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**56.5**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	83-32-9	
Acenaphthylene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	208-96-8	
Anthracene	**407**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	120-12-7	
Benzo(a)anthracene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	56-55-3	
Benzo(a)pyrene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	101-55-3	
Butylbenzylphthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	85-68-7	
Carbazole	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	59-50-7	
4-Chloroaniline	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	377	65.7	500	08/19/11 12:46	08/22/11 13:20	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	377	68.3	500	08/19/11 12:46	08/22/11 13:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	377	65.2	500	08/19/11 12:46	08/22/11 13:20	108-60-1	
2-Chloronaphthalene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	91-58-7	
2-Chlorophenol	ND	mg/kg	377	66.9	500	08/19/11 12:46	08/22/11 13:20	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	7005-72-3	
Chrysene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-16 **Lab ID: 10166204001** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	377	69.9	500	08/19/11 12:46	08/22/11 13:20	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	377	64.8	500	08/19/11 12:46	08/22/11 13:20	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	377	66.7	500	08/19/11 12:46	08/22/11 13:20	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	765	383	500	08/19/11 12:46	08/22/11 13:20	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	120-83-2	
Diethylphthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	105-67-9	
Dimethylphthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	606-20-2	
Di-n-octylphthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	117-81-7	
Fluoranthene	**656**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	206-44-0	
Fluorene	**554**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	377	73.3	500	08/19/11 12:46	08/22/11 13:20	87-68-3	
Hexachlorobenzene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	118-74-1	
Hexachloroethane	ND	mg/kg	377	68.8	500	08/19/11 12:46	08/22/11 13:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	193-39-5	
Isophorone	ND	mg/kg	377	65.0	500	08/19/11 12:46	08/22/11 13:20	78-59-1	
1-Methylnaphthalene	**965**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	90-12-0	
2-Methylnaphthalene	**1820**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	377	57.2	500	08/19/11 12:46	08/22/11 13:20	95-48-7	
3&4-Methylphenol	ND	mg/kg	754	377	500	08/19/11 12:46	08/22/11 13:20		
Naphthalene	**3620**	mg/kg	377	66.5	500	08/19/11 12:46	08/22/11 13:20	91-20-3	
2-Nitroaniline	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	88-74-4	
3-Nitroaniline	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	99-09-2	
4-Nitroaniline	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	100-01-6	
Nitrobenzene	ND	mg/kg	377	73.4	500	08/19/11 12:46	08/22/11 13:20	98-95-3	
2-Nitrophenol	ND	mg/kg	377	68.8	500	08/19/11 12:46	08/22/11 13:20	88-75-5	
4-Nitrophenol	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	377	63.2	500	08/19/11 12:46	08/22/11 13:20	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	377	62.1	500	08/19/11 12:46	08/22/11 13:20	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	86-30-6	
Pentachlorophenol	ND	mg/kg	765	383	500	08/19/11 12:46	08/22/11 13:20	87-86-5	
Phenanthrene	**1510**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	85-01-8	
Phenol	ND	mg/kg	377	66.1	500	08/19/11 12:46	08/22/11 13:20	108-95-2	
Pyrene	**637**	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	377	67.5	500	08/19/11 12:46	08/22/11 13:20	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1940	971	500	08/19/11 12:46	08/22/11 13:20	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	377	188	500	08/19/11 12:46	08/22/11 13:20	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-16 **Lab ID: 10166204001** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	0	%	50-120		500	08/19/11 12:46	08/22/11 13:20	4165-60-0	D4,S4
2-Fluorobiphenyl (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 13:20	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 13:20	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		500	08/19/11 12:46	08/22/11 13:20	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-147		500	08/19/11 12:46	08/22/11 13:20	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		500	08/19/11 12:46	08/22/11 13:20	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	2.5	1.2	1	08/12/11 11:23	08/14/11 14:24	67-64-1	M1
Allyl chloride	ND	mg/kg	1.0	0.33	1	08/12/11 11:23	08/14/11 14:24	107-05-1	M1
Benzene	**7.8**	mg/kg	0.10	0.050	1	08/12/11 11:23	08/14/11 14:24	71-43-2	
Bromobenzene	ND	mg/kg	0.25	0.076	1	08/12/11 11:23	08/14/11 14:24	108-86-1	M1
Bromochloromethane	ND	mg/kg	0.25	0.11	1	08/12/11 11:23	08/14/11 14:24	74-97-5	M1
Bromodichloromethane	ND	mg/kg	0.25	0.097	1	08/12/11 11:23	08/14/11 14:24	75-27-4	M1
Bromoform	ND	mg/kg	1.0	0.25	1	08/12/11 11:23	08/14/11 14:24	75-25-2	M1
Bromomethane	ND	mg/kg	2.5	0.38	1	08/12/11 11:23	08/14/11 14:24	74-83-9	M1
2-Butanone (MEK)	ND	mg/kg	2.5	1.2	1	08/12/11 11:23	08/14/11 14:24	78-93-3	M1
n-Butylbenzene	ND	mg/kg	0.25	0.024	1	08/12/11 11:23	08/14/11 14:24	104-51-8	M1
sec-Butylbenzene	ND	mg/kg	0.25	0.027	1	08/12/11 11:23	08/14/11 14:24	135-98-8	M1
tert-Butylbenzene	ND	mg/kg	0.25	0.032	1	08/12/11 11:23	08/14/11 14:24	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.25	0.058	1	08/12/11 11:23	08/14/11 14:24	56-23-5	M1
Chlorobenzene	ND	mg/kg	0.25	0.056	1	08/12/11 11:23	08/14/11 14:24	108-90-7	M1
Chloroethane	ND	mg/kg	2.5	0.60	1	08/12/11 11:23	08/14/11 14:24	75-00-3	M1
Chloroform	ND	mg/kg	0.25	0.055	1	08/12/11 11:23	08/14/11 14:24	67-66-3	M1
Chloromethane	ND	mg/kg	1.0	0.17	1	08/12/11 11:23	08/14/11 14:24	74-87-3	M1
2-Chlorotoluene	ND	mg/kg	0.25	0.034	1	08/12/11 11:23	08/14/11 14:24	95-49-8	M1
4-Chlorotoluene	ND	mg/kg	0.25	0.034	1	08/12/11 11:23	08/14/11 14:24	106-43-4	M1
1,2-Dibromo-3-chloropropane	ND	mg/kg	1.0	0.19	1	08/12/11 11:23	08/14/11 14:24	96-12-8	
Dibromochloromethane	ND	mg/kg	0.25	0.053	1	08/12/11 11:23	08/14/11 14:24	124-48-1	M1
1,2-Dibromoethane (EDB)	ND	mg/kg	0.25	0.077	1	08/12/11 11:23	08/14/11 14:24	106-93-4	M1
Dibromomethane	ND	mg/kg	0.25	0.099	1	08/12/11 11:23	08/14/11 14:24	74-95-3	M1
1,2-Dichlorobenzene	ND	mg/kg	0.25	0.077	1	08/12/11 11:23	08/14/11 14:24	95-50-1	M1
1,3-Dichlorobenzene	ND	mg/kg	0.25	0.032	1	08/12/11 11:23	08/14/11 14:24	541-73-1	M1
1,4-Dichlorobenzene	ND	mg/kg	0.25	0.045	1	08/12/11 11:23	08/14/11 14:24	106-46-7	M1
Dichlorodifluoromethane	ND	mg/kg	0.25	0.076	1	08/12/11 11:23	08/14/11 14:24	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.25	0.085	1	08/12/11 11:23	08/14/11 14:24	75-34-3	M1
1,2-Dichloroethane	ND	mg/kg	0.25	0.064	1	08/12/11 11:23	08/14/11 14:24	107-06-2	M1
1,1-Dichloroethene	ND	mg/kg	0.25	0.13	1	08/12/11 11:23	08/14/11 14:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.25	0.084	1	08/12/11 11:23	08/14/11 14:24	156-59-2	M1
trans-1,2-Dichloroethene	ND	mg/kg	0.25	0.071	1	08/12/11 11:23	08/14/11 14:24	156-60-5	M1
Dichlorofluoromethane	ND	mg/kg	2.5	0.13	1	08/12/11 11:23	08/14/11 14:24	75-43-4	L2,M0
1,2-Dichloropropane	ND	mg/kg	0.25	0.11	1	08/12/11 11:23	08/14/11 14:24	78-87-5	M1
1,3-Dichloropropane	ND	mg/kg	0.25	0.041	1	08/12/11 11:23	08/14/11 14:24	142-28-9	M1
2,2-Dichloropropane	ND	mg/kg	1.0	0.10	1	08/12/11 11:23	08/14/11 14:24	594-20-7	M1
1,1-Dichloropropene	ND	mg/kg	0.25	0.055	1	08/12/11 11:23	08/14/11 14:24	563-58-6	M1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-16 **Lab ID: 10166204001** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.25	0.043	1	08/12/11 11:23	08/14/11 14:24	10061-01-5	M1
trans-1,3-Dichloropropene	ND	mg/kg	0.25	0.046	1	08/12/11 11:23	08/14/11 14:24	10061-02-6	M1
Diethyl ether (Ethyl ether)	ND	mg/kg	1.0	0.17	1	08/12/11 11:23	08/14/11 14:24	60-29-7	M1
Ethylbenzene	**0.32**	mg/kg	0.25	0.014	1	08/12/11 11:23	08/14/11 14:24	100-41-4	M1
Hexachloro-1,3-butadiene	ND	mg/kg	1.2	0.028	1	08/12/11 11:23	08/14/11 14:24	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.25	0.032	1	08/12/11 11:23	08/14/11 14:24	98-82-8	M1
p-Isopropyltoluene	ND	mg/kg	0.25	0.043	1	08/12/11 11:23	08/14/11 14:24	99-87-6	
Methylene Chloride	ND	mg/kg	1.0	0.50	1	08/12/11 11:23	08/14/11 14:24	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.5	1.2	1	08/12/11 11:23	08/14/11 14:24	108-10-1	M1
Methyl-tert-butyl ether	ND	mg/kg	0.25	0.083	1	08/12/11 11:23	08/14/11 14:24	1634-04-4	M1
Naphthalene	ND	mg/kg	1.0	0.043	1	08/12/11 11:23	08/14/11 14:24	91-20-3	
n-Propylbenzene	ND	mg/kg	0.25	0.020	1	08/12/11 11:23	08/14/11 14:24	103-65-1	M1
Styrene	ND	mg/kg	0.25	0.032	1	08/12/11 11:23	08/14/11 14:24	100-42-5	M1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.25	0.061	1	08/12/11 11:23	08/14/11 14:24	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.25	0.059	1	08/12/11 11:23	08/14/11 14:24	79-34-5	
Tetrachloroethene	ND	mg/kg	0.25	0.066	1	08/12/11 11:23	08/14/11 14:24	127-18-4	M1
Tetrahydrofuran	ND	mg/kg	10	0.74	1	08/12/11 11:23	08/14/11 14:24	109-99-9	M1
Toluene	ND	mg/kg	0.25	0.038	1	08/12/11 11:23	08/14/11 14:24	108-88-3	M1
1,2,3-Trichlorobenzene	ND	mg/kg	0.25	0.070	1	08/12/11 11:23	08/14/11 14:24	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.25	0.055	1	08/12/11 11:23	08/14/11 14:24	120-82-1	M1
1,1,1-Trichloroethane	ND	mg/kg	0.25	0.032	1	08/12/11 11:23	08/14/11 14:24	71-55-6	M1
1,1,2-Trichloroethane	ND	mg/kg	0.25	0.11	1	08/12/11 11:23	08/14/11 14:24	79-00-5	M1
Trichloroethene	ND	mg/kg	0.25	0.082	1	08/12/11 11:23	08/14/11 14:24	79-01-6	M1
Trichlorofluoromethane	ND	mg/kg	1.0	0.12	1	08/12/11 11:23	08/14/11 14:24	75-69-4	M1
1,2,3-Trichloropropane	ND	mg/kg	1.0	0.079	1	08/12/11 11:23	08/14/11 14:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.25	0.099	1	08/12/11 11:23	08/14/11 14:24	76-13-1	M1
1,2,4-Trimethylbenzene	**0.33**	mg/kg	0.25	0.037	1	08/12/11 11:23	08/14/11 14:24	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.25	0.033	1	08/12/11 11:23	08/14/11 14:24	108-67-8	
Vinyl chloride	ND	mg/kg	0.10	0.047	1	08/12/11 11:23	08/14/11 14:24	75-01-4	M1
Xylene (Total)	**5.7**	mg/kg	0.75	0.14	1	08/12/11 11:23	08/14/11 14:24	1330-20-7	
Dibromofluoromethane (S)	160	%	30-150		1	08/12/11 11:23	08/14/11 14:24	1868-53-7	S1
1,2-Dichloroethane-d4 (S)	146	%	30-150		1	08/12/11 11:23	08/14/11 14:24	17060-07-0	
Toluene-d8 (S)	152	%	30-150		1	08/12/11 11:23	08/14/11 14:24	2037-26-5	S1
4-Bromofluorobenzene (S)	163	%	30-150		1	08/12/11 11:23	08/14/11 14:24	460-00-4	S1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-4 **Lab ID: 10166204002** Collected: 08/09/11 10:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**81.8**	mg/kg	19.3	1.3	2	08/15/11 07:32	08/16/11 14:09		T6
n-Triacontane (S)	59	%	50-150		2	08/15/11 07:32	08/16/11 14:09		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.9	2.6	1	08/12/11 08:28	08/15/11 18:48		
a,a,a-Trifluorotoluene (S)	99	%	80-125		1	08/12/11 08:28	08/15/11 18:48	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.2**	mg/kg	0.48	0.24	1	08/12/11 13:50	08/15/11 17:03	7440-38-2	
Barium	**32.5**	mg/kg	0.48	0.019	1	08/12/11 13:50	08/15/11 17:03	7440-39-3	
Cadmium	**0.072**	mg/kg	0.048	0.0096	1	08/12/11 13:50	08/15/11 17:03	7440-43-9	
Chromium	**10.3**	mg/kg	0.48	0.067	1	08/12/11 13:50	08/15/11 17:03	7440-47-3	
Lead	**11.7**	mg/kg	0.29	0.048	1	08/12/11 13:50	08/15/11 17:03	7439-92-1	
Selenium	ND	mg/kg	0.72	0.12	1	08/12/11 13:50	08/15/11 17:03	7782-49-2	
Silver	ND	mg/kg	0.48	0.029	1	08/12/11 13:50	08/15/11 17:03	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.027**	mg/kg	0.021	0.0017	1	08/15/11 15:41	08/16/11 15:04	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**14.9**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	83-32-9	
Acenaphthylene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	208-96-8	
Anthracene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	85-68-7	
Carbazole	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	59-50-7	
4-Chloroaniline	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.39	0.067	1	08/19/11 12:46	08/20/11 20:38	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.39	0.070	1	08/19/11 12:46	08/20/11 20:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.39	0.067	1	08/19/11 12:46	08/20/11 20:38	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	91-58-7	
2-Chlorophenol	ND	mg/kg	0.39	0.068	1	08/19/11 12:46	08/20/11 20:38	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	7005-72-3	
Chrysene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-4 **Lab ID: 10166204002** Collected: 08/09/11 10:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.39	0.071	1	08/19/11 12:46	08/20/11 20:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.39	0.066	1	08/19/11 12:46	08/20/11 20:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.39	0.068	1	08/19/11 12:46	08/20/11 20:38	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.78	0.39	1	08/19/11 12:46	08/20/11 20:38	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	120-83-2	
Diethylphthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	105-67-9	
Dimethylphthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	117-81-7	
Fluoranthene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	206-44-0	
Fluorene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.39	0.075	1	08/19/11 12:46	08/20/11 20:38	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	118-74-1	
Hexachloroethane	ND	mg/kg	0.39	0.070	1	08/19/11 12:46	08/20/11 20:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	193-39-5	
Isophorone	ND	mg/kg	0.39	0.066	1	08/19/11 12:46	08/20/11 20:38	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.39	0.059	1	08/19/11 12:46	08/20/11 20:38	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.77	0.39	1	08/19/11 12:46	08/20/11 20:38		
Naphthalene	ND	mg/kg	0.39	0.068	1	08/19/11 12:46	08/20/11 20:38	91-20-3	
2-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	88-74-4	
3-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	99-09-2	
4-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	100-01-6	
Nitrobenzene	ND	mg/kg	0.39	0.075	1	08/19/11 12:46	08/20/11 20:38	98-95-3	
2-Nitrophenol	ND	mg/kg	0.39	0.070	1	08/19/11 12:46	08/20/11 20:38	88-75-5	
4-Nitrophenol	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.39	0.065	1	08/19/11 12:46	08/20/11 20:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.39	0.064	1	08/19/11 12:46	08/20/11 20:38	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	86-30-6	
Pentachlorophenol	ND	mg/kg	0.78	0.39	1	08/19/11 12:46	08/20/11 20:38	87-86-5	
Phenanthrene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	85-01-8	
Phenol	ND	mg/kg	0.39	0.068	1	08/19/11 12:46	08/20/11 20:38	108-95-2	
Pyrene	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.39	0.069	1	08/19/11 12:46	08/20/11 20:38	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.99	1	08/19/11 12:46	08/20/11 20:38	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.39	0.19	1	08/19/11 12:46	08/20/11 20:38	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-4 **Lab ID: 10166204002** Collected: 08/09/11 10:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	69	%	50-120		1	08/19/11 12:46	08/20/11 20:38	4165-60-0	
2-Fluorobiphenyl (S)	82	%	30-150		1	08/19/11 12:46	08/20/11 20:38	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/19/11 12:46	08/20/11 20:38	1718-51-0	
Phenol-d6 (S)	73	%	30-149		1	08/19/11 12:46	08/20/11 20:38	13127-88-3	
2-Fluorophenol (S)	69	%	30-147		1	08/19/11 12:46	08/20/11 20:38	367-12-4	
2,4,6-Tribromophenol (S)	86	%	30-150		1	08/19/11 12:46	08/20/11 20:38	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.58	0.29	1	08/12/11 11:23	08/13/11 15:58	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.076	1	08/12/11 11:23	08/13/11 15:58	107-05-1	
Benzene	ND	mg/kg	0.023	0.012	1	08/12/11 11:23	08/13/11 15:58	71-43-2	
Bromobenzene	ND	mg/kg	0.058	0.018	1	08/12/11 11:23	08/13/11 15:58	108-86-1	
Bromochloromethane	ND	mg/kg	0.058	0.027	1	08/12/11 11:23	08/13/11 15:58	74-97-5	
Bromodichloromethane	ND	mg/kg	0.058	0.023	1	08/12/11 11:23	08/13/11 15:58	75-27-4	
Bromoform	ND	mg/kg	0.23	0.058	1	08/12/11 11:23	08/13/11 15:58	75-25-2	
Bromomethane	ND	mg/kg	0.58	0.088	1	08/12/11 11:23	08/13/11 15:58	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.58	0.29	1	08/12/11 11:23	08/13/11 15:58	78-93-3	
n-Butylbenzene	ND	mg/kg	0.058	0.0055	1	08/12/11 11:23	08/13/11 15:58	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.058	0.0062	1	08/12/11 11:23	08/13/11 15:58	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.058	0.0074	1	08/12/11 11:23	08/13/11 15:58	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.058	0.014	1	08/12/11 11:23	08/13/11 15:58	56-23-5	
Chlorobenzene	ND	mg/kg	0.058	0.013	1	08/12/11 11:23	08/13/11 15:58	108-90-7	
Chloroethane	ND	mg/kg	0.58	0.14	1	08/12/11 11:23	08/13/11 15:58	75-00-3	
Chloroform	ND	mg/kg	0.058	0.013	1	08/12/11 11:23	08/13/11 15:58	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.039	1	08/12/11 11:23	08/13/11 15:58	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.058	0.0079	1	08/12/11 11:23	08/13/11 15:58	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.058	0.0079	1	08/12/11 11:23	08/13/11 15:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.044	1	08/12/11 11:23	08/13/11 15:58	96-12-8	
Dibromochloromethane	ND	mg/kg	0.058	0.012	1	08/12/11 11:23	08/13/11 15:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.058	0.018	1	08/12/11 11:23	08/13/11 15:58	106-93-4	
Dibromomethane	ND	mg/kg	0.058	0.023	1	08/12/11 11:23	08/13/11 15:58	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.058	0.018	1	08/12/11 11:23	08/13/11 15:58	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.058	0.0074	1	08/12/11 11:23	08/13/11 15:58	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.058	0.010	1	08/12/11 11:23	08/13/11 15:58	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.058	0.018	1	08/12/11 11:23	08/13/11 15:58	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.058	0.020	1	08/12/11 11:23	08/13/11 15:58	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.058	0.015	1	08/12/11 11:23	08/13/11 15:58	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.058	0.030	1	08/12/11 11:23	08/13/11 15:58	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.058	0.020	1	08/12/11 11:23	08/13/11 15:58	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.058	0.017	1	08/12/11 11:23	08/13/11 15:58	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.58	0.031	1	08/12/11 11:23	08/13/11 15:58	75-43-4	L2
1,2-Dichloropropane	ND	mg/kg	0.058	0.025	1	08/12/11 11:23	08/13/11 15:58	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.058	0.0097	1	08/12/11 11:23	08/13/11 15:58	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/12/11 11:23	08/13/11 15:58	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.058	0.013	1	08/12/11 11:23	08/13/11 15:58	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-4 **Lab ID: 10166204002** Collected: 08/09/11 10:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.058	0.010	1	08/12/11 11:23	08/13/11 15:58	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.058	0.011	1	08/12/11 11:23	08/13/11 15:58	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.039	1	08/12/11 11:23	08/13/11 15:58	60-29-7	
Ethylbenzene	ND	mg/kg	0.058	0.0032	1	08/12/11 11:23	08/13/11 15:58	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.29	0.0066	1	08/12/11 11:23	08/13/11 15:58	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.058	0.0074	1	08/12/11 11:23	08/13/11 15:58	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.058	0.010	1	08/12/11 11:23	08/13/11 15:58	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.12	1	08/12/11 11:23	08/13/11 15:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.58	0.29	1	08/12/11 11:23	08/13/11 15:58	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.058	0.019	1	08/12/11 11:23	08/13/11 15:58	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.010	1	08/12/11 11:23	08/13/11 15:58	91-20-3	
n-Propylbenzene	ND	mg/kg	0.058	0.0046	1	08/12/11 11:23	08/13/11 15:58	103-65-1	
Styrene	ND	mg/kg	0.058	0.0074	1	08/12/11 11:23	08/13/11 15:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/12/11 11:23	08/13/11 15:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/12/11 11:23	08/13/11 15:58	79-34-5	
Tetrachloroethene	ND	mg/kg	0.058	0.015	1	08/12/11 11:23	08/13/11 15:58	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/12/11 11:23	08/13/11 15:58	109-99-9	
Toluene	ND	mg/kg	0.058	0.0088	1	08/12/11 11:23	08/13/11 15:58	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.058	0.016	1	08/12/11 11:23	08/13/11 15:58	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.058	0.013	1	08/12/11 11:23	08/13/11 15:58	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.058	0.0075	1	08/12/11 11:23	08/13/11 15:58	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.058	0.025	1	08/12/11 11:23	08/13/11 15:58	79-00-5	
Trichloroethene	ND	mg/kg	0.058	0.019	1	08/12/11 11:23	08/13/11 15:58	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.029	1	08/12/11 11:23	08/13/11 15:58	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/12/11 11:23	08/13/11 15:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.058	0.023	1	08/12/11 11:23	08/13/11 15:58	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.058	0.0086	1	08/12/11 11:23	08/13/11 15:58	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.058	0.0077	1	08/12/11 11:23	08/13/11 15:58	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/12/11 11:23	08/13/11 15:58	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.032	1	08/12/11 11:23	08/13/11 15:58	1330-20-7	
Dibromofluoromethane (S)	121	%	30-150		1	08/12/11 11:23	08/13/11 15:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	30-150		1	08/12/11 11:23	08/13/11 15:58	17060-07-0	
Toluene-d8 (S)	114	%	30-150		1	08/12/11 11:23	08/13/11 15:58	2037-26-5	
4-Bromofluorobenzene (S)	119	%	30-150		1	08/12/11 11:23	08/13/11 15:58	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8 **Lab ID: 10166204003** Collected: 08/09/11 10:05 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**128**	mg/kg	34.5	2.2	5	08/15/11 07:32	08/16/11 14:16		T6
n-Triacontane (S)	61	%	50-150		5	08/15/11 07:32	08/16/11 14:16		D3
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	6.4	2.8	1	08/12/11 08:28	08/15/11 19:12		
a,a,a-Trifluorotoluene (S)	99	%	80-125		1	08/12/11 08:28	08/15/11 19:12	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.3**	mg/kg	0.47	0.24	1	08/12/11 13:50	08/15/11 17:21	7440-38-2	
Barium	**46.4**	mg/kg	0.47	0.019	1	08/12/11 13:50	08/15/11 17:21	7440-39-3	
Cadmium	**0.15**	mg/kg	0.047	0.0094	1	08/12/11 13:50	08/15/11 17:21	7440-43-9	
Chromium	**11.8**	mg/kg	0.47	0.066	1	08/12/11 13:50	08/15/11 17:21	7440-47-3	
Lead	**34.3**	mg/kg	0.28	0.047	1	08/12/11 13:50	08/15/11 17:21	7439-92-1	
Selenium	ND	mg/kg	0.71	0.12	1	08/12/11 13:50	08/15/11 17:21	7782-49-2	
Silver	ND	mg/kg	0.47	0.028	1	08/12/11 13:50	08/15/11 17:21	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.024**	mg/kg	0.020	0.0016	1	08/15/11 15:41	08/16/11 15:06	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**21.8**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	83-32-9	
Acenaphthylene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	208-96-8	
Anthracene	**1.4**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	120-12-7	
Benzo(a)anthracene	**0.49**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	56-55-3	
Benzo(a)pyrene	**0.45**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	50-32-8	
Benzo(b)fluoranthene	**0.64**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	85-68-7	
Carbazole	**0.51**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	59-50-7	
4-Chloroaniline	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.42	0.074	1	08/19/11 12:46	08/22/11 10:21	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.42	0.076	1	08/19/11 12:46	08/22/11 10:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.42	0.073	1	08/19/11 12:46	08/22/11 10:21	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	91-58-7	
2-Chlorophenol	ND	mg/kg	0.42	0.075	1	08/19/11 12:46	08/22/11 10:21	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	7005-72-3	
Chrysene	**0.90**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8 **Lab ID: 10166204003** Collected: 08/09/11 10:05 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.42	0.078	1	08/19/11 12:46	08/22/11 10:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.42	0.073	1	08/19/11 12:46	08/22/11 10:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.42	0.075	1	08/19/11 12:46	08/22/11 10:21	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.86	0.43	1	08/19/11 12:46	08/22/11 10:21	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	120-83-2	
Diethylphthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	105-67-9	
Dimethylphthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	117-81-7	
Fluoranthene	**1.3**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	206-44-0	
Fluorene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.42	0.082	1	08/19/11 12:46	08/22/11 10:21	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	118-74-1	
Hexachloroethane	ND	mg/kg	0.42	0.077	1	08/19/11 12:46	08/22/11 10:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	193-39-5	
Isophorone	ND	mg/kg	0.42	0.073	1	08/19/11 12:46	08/22/11 10:21	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.42	0.064	1	08/19/11 12:46	08/22/11 10:21	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.84	0.42	1	08/19/11 12:46	08/22/11 10:21		
Naphthalene	ND	mg/kg	0.42	0.074	1	08/19/11 12:46	08/22/11 10:21	91-20-3	
2-Nitroaniline	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	88-74-4	
3-Nitroaniline	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	99-09-2	
4-Nitroaniline	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	100-01-6	
Nitrobenzene	ND	mg/kg	0.42	0.082	1	08/19/11 12:46	08/22/11 10:21	98-95-3	
2-Nitrophenol	ND	mg/kg	0.42	0.077	1	08/19/11 12:46	08/22/11 10:21	88-75-5	
4-Nitrophenol	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.42	0.071	1	08/19/11 12:46	08/22/11 10:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.42	0.070	1	08/19/11 12:46	08/22/11 10:21	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	86-30-6	
Pentachlorophenol	ND	mg/kg	0.86	0.43	1	08/19/11 12:46	08/22/11 10:21	87-86-5	
Phenanthrene	**1.6**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	85-01-8	
Phenol	ND	mg/kg	0.42	0.074	1	08/19/11 12:46	08/22/11 10:21	108-95-2	
Pyrene	**1.1**	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.42	0.076	1	08/19/11 12:46	08/22/11 10:21	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.2	1.1	1	08/19/11 12:46	08/22/11 10:21	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.42	0.21	1	08/19/11 12:46	08/22/11 10:21	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8 **Lab ID: 10166204003** Collected: 08/09/11 10:05 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	83	%	50-120		1	08/19/11 12:46	08/22/11 10:21	4165-60-0	
2-Fluorobiphenyl (S)	90	%	30-150		1	08/19/11 12:46	08/22/11 10:21	321-60-8	
Terphenyl-d14 (S)	92	%	30-150		1	08/19/11 12:46	08/22/11 10:21	1718-51-0	
Phenol-d6 (S)	83	%	30-149		1	08/19/11 12:46	08/22/11 10:21	13127-88-3	
2-Fluorophenol (S)	84	%	30-147		1	08/19/11 12:46	08/22/11 10:21	367-12-4	
2,4,6-Tribromophenol (S)	89	%	30-150		1	08/19/11 12:46	08/22/11 10:21	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/16/11 15:11	67-64-1	
Allyl chloride	ND	mg/kg	0.26	0.084	1	08/12/11 14:21	08/16/11 15:11	107-05-1	
Benzene	ND	mg/kg	0.026	0.013	1	08/12/11 14:21	08/16/11 15:11	71-43-2	
Bromobenzene	ND	mg/kg	0.064	0.019	1	08/12/11 14:21	08/16/11 15:11	108-86-1	
Bromochloromethane	ND	mg/kg	0.064	0.029	1	08/12/11 14:21	08/16/11 15:11	74-97-5	
Bromodichloromethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/16/11 15:11	75-27-4	
Bromoform	ND	mg/kg	0.26	0.064	1	08/12/11 14:21	08/16/11 15:11	75-25-2	
Bromomethane	ND	mg/kg	0.64	0.097	1	08/12/11 14:21	08/16/11 15:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/16/11 15:11	78-93-3	
n-Butylbenzene	ND	mg/kg	0.064	0.0061	1	08/12/11 14:21	08/16/11 15:11	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.064	0.0068	1	08/12/11 14:21	08/16/11 15:11	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/16/11 15:11	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.064	0.015	1	08/12/11 14:21	08/16/11 15:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/16/11 15:11	108-90-7	
Chloroethane	ND	mg/kg	0.64	0.15	1	08/12/11 14:21	08/16/11 15:11	75-00-3	
Chloroform	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/16/11 15:11	67-66-3	
Chloromethane	ND	mg/kg	0.26	0.043	1	08/12/11 14:21	08/16/11 15:11	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.064	0.0087	1	08/12/11 14:21	08/16/11 15:11	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.064	0.0087	1	08/12/11 14:21	08/16/11 15:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.26	0.048	1	08/12/11 14:21	08/16/11 15:11	96-12-8	
Dibromochloromethane	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/16/11 15:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.064	0.020	1	08/12/11 14:21	08/16/11 15:11	106-93-4	
Dibromomethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/16/11 15:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.064	0.020	1	08/12/11 14:21	08/16/11 15:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.064	0.0082	1	08/12/11 14:21	08/16/11 15:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/16/11 15:11	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.064	0.019	1	08/12/11 14:21	08/16/11 15:11	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.064	0.022	1	08/12/11 14:21	08/16/11 15:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.064	0.016	1	08/12/11 14:21	08/16/11 15:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.064	0.032	1	08/12/11 14:21	08/16/11 15:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/16/11 15:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.064	0.018	1	08/12/11 14:21	08/16/11 15:11	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.64	0.034	1	08/12/11 14:21	08/16/11 15:11	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.064	0.028	1	08/12/11 14:21	08/16/11 15:11	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/16/11 15:11	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.26	0.026	1	08/12/11 14:21	08/16/11 15:11	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/16/11 15:11	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8 **Lab ID: 10166204003** Collected: 08/09/11 10:05 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/16/11 15:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.064	0.012	1	08/12/11 14:21	08/16/11 15:11	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.26	0.043	1	08/12/11 14:21	08/16/11 15:11	60-29-7	
Ethylbenzene	ND	mg/kg	0.064	0.0036	1	08/12/11 14:21	08/16/11 15:11	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.32	0.0073	1	08/12/11 14:21	08/16/11 15:11	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/16/11 15:11	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/16/11 15:11	99-87-6	
Methylene Chloride	ND	mg/kg	0.26	0.13	1	08/12/11 14:21	08/16/11 15:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/16/11 15:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/16/11 15:11	1634-04-4	
Naphthalene	**0.26**	mg/kg	0.26	0.011	1	08/12/11 14:21	08/16/11 15:11	91-20-3	
n-Propylbenzene	ND	mg/kg	0.064	0.0051	1	08/12/11 14:21	08/16/11 15:11	103-65-1	
Styrene	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/16/11 15:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.064	0.016	1	08/12/11 14:21	08/16/11 15:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.064	0.015	1	08/12/11 14:21	08/16/11 15:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.064	0.017	1	08/12/11 14:21	08/16/11 15:11	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.6	0.19	1	08/12/11 14:21	08/16/11 15:11	109-99-9	
Toluene	ND	mg/kg	0.064	0.0096	1	08/12/11 14:21	08/16/11 15:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.064	0.018	1	08/12/11 14:21	08/16/11 15:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/16/11 15:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.064	0.0083	1	08/12/11 14:21	08/16/11 15:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.064	0.027	1	08/12/11 14:21	08/16/11 15:11	79-00-5	
Trichloroethene	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/16/11 15:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.26	0.032	1	08/12/11 14:21	08/16/11 15:11	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.26	0.020	1	08/12/11 14:21	08/16/11 15:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/16/11 15:11	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.064	0.0094	1	08/12/11 14:21	08/16/11 15:11	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.064	0.0085	1	08/12/11 14:21	08/16/11 15:11	108-67-8	
Vinyl chloride	ND	mg/kg	0.026	0.012	1	08/12/11 14:21	08/16/11 15:11	75-01-4	
Xylene (Total)	ND	mg/kg	0.19	0.035	1	08/12/11 14:21	08/16/11 15:11	1330-20-7	
Dibromofluoromethane (S)	91	%	30-150		1	08/12/11 14:21	08/16/11 15:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	30-150		1	08/12/11 14:21	08/16/11 15:11	17060-07-0	
Toluene-d8 (S)	90	%	30-150		1	08/12/11 14:21	08/16/11 15:11	2037-26-5	
4-Bromofluorobenzene (S)	93	%	30-150		1	08/12/11 14:21	08/16/11 15:11	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.21	0.099	1		08/17/11 19:20	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8.5W **Lab ID: 10166204004** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**3.0**	mg/L	0.12	0.058	1	08/12/11 07:17	08/17/11 16:33		T6,T7
n-Triacontane (S)	58	%	50-150		1	08/12/11 07:17	08/17/11 16:33		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	**187**	ug/L	100	13.0	1		08/15/11 14:47		
a,a,a-Trifluorotoluene (S)	109	%	80-125		1		08/15/11 14:47	98-08-8	p2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/15/11 11:59	08/15/11 16:08	7440-38-2	
Barium	**41.1**	ug/L	10.0	0.37	1	08/15/11 11:59	08/15/11 16:08	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/15/11 11:59	08/15/11 16:08	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/15/11 11:59	08/15/11 16:08	7440-47-3	
Lead	**5.2**	ug/L	3.0	1.3	1	08/15/11 11:59	08/15/11 16:08	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/15/11 11:59	08/15/11 16:08	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/15/11 11:59	08/15/11 16:08	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/15/11 11:47	08/16/11 07:57	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	**916**	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	111-44-4	
2-Chlorophenol	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	114	17.4	10	08/16/11 14:17	08/18/11 18:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	114	14.0	10	08/16/11 14:17	08/18/11 18:17	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	108-60-1	
3&4-Methylphenol	ND	ug/L	227	114	10	08/16/11 14:17	08/18/11 18:17		
N-Nitroso-di-n-propylamine	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	621-64-7	
Hexachloroethane	ND	ug/L	114	17.2	10	08/16/11 14:17	08/18/11 18:17	67-72-1	
Nitrobenzene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	98-95-3	
Isophorone	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	78-59-1	
2-Nitrophenol	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	88-75-5	
2,4-Dimethylphenol	ND	ug/L	114	48.1	10	08/16/11 14:17	08/18/11 18:17	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	111-91-1	
2,4-Dichlorophenol	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	120-82-1	
Naphthalene	**279**	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	91-20-3	
4-Chloroaniline	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	59-50-7	
2-Methylnaphthalene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8.5W **Lab ID: 10166204004** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	91-58-7	
2-Nitroaniline	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	88-74-4	
Dimethylphthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	131-11-3	
Acenaphthylene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	606-20-2	
3-Nitroaniline	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	99-09-2	
Acenaphthene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	83-32-9	
2,4-Dinitrophenol	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	51-28-5	
4-Nitrophenol	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	100-02-7	
Dibenzofuran	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	121-14-2	
Diethylphthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	7005-72-3	
Fluorene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	86-73-7	
4-Nitroaniline	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	568	284	10	08/16/11 14:17	08/18/11 18:17	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	101-55-3	
Hexachlorobenzene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	118-74-1	
Pentachlorophenol	ND	ug/L	261	131	10	08/16/11 14:17	08/18/11 18:17	87-86-5	
Phenanthrene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	85-01-8	
Anthracene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	120-12-7	
Di-n-butylphthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	84-74-2	
Fluoranthene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	206-44-0	
Pyrene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	129-00-0	
Butylbenzylphthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	227	114	10	08/16/11 14:17	08/18/11 18:17	91-94-1	
Benzo(a)anthracene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	56-55-3	
Chrysene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	117-81-7	
Di-n-octylphthalate	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	207-08-9	
Benzo(a)pyrene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	227	114	10	08/16/11 14:17	08/18/11 18:17	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	114	35.0	10	08/16/11 14:17	08/18/11 18:17	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	122-66-7	
Carbazole	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	86-74-8	
1-Methylnaphthalene	ND	ug/L	114	56.8	10	08/16/11 14:17	08/18/11 18:17	90-12-0	
Nitrobenzene-d5 (S)	96	%	30-150		10	08/16/11 14:17	08/18/11 18:17	4165-60-0	
2-Fluorobiphenyl (S)	89	%	30-150		10	08/16/11 14:17	08/18/11 18:17	321-60-8	
Terphenyl-d14 (S)	56	%	30-150		10	08/16/11 14:17	08/18/11 18:17	1718-51-0	
Phenol-d6 (S)	103	%	30-150		10	08/16/11 14:17	08/18/11 18:17	13127-88-3	
2-Fluorophenol (S)	89	%	30-148		10	08/16/11 14:17	08/18/11 18:17	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8.5W **Lab ID: 10166204004** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	111	%	30-150		10	08/16/11 14:17	08/18/11 18:17	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	**248**	ug/L	50.0	25.0	2		08/16/11 22:16	67-64-1	
Allyl chloride	ND	ug/L	8.0	1.0	2		08/16/11 22:16	107-05-1	
Benzene	**14.3**	ug/L	2.0	0.72	2		08/16/11 22:16	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.62	2		08/16/11 22:16	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.44	2		08/16/11 22:16	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.46	2		08/16/11 22:16	75-27-4	
Bromoform	ND	ug/L	8.0	4.0	2		08/16/11 22:16	75-25-2	
Bromomethane	ND	ug/L	8.0	0.72	2		08/16/11 22:16	74-83-9	
2-Butanone (MEK)	**198**	ug/L	8.0	4.0	2		08/16/11 22:16	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	0.76	2		08/16/11 22:16	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	0.74	2		08/16/11 22:16	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	0.94	2		08/16/11 22:16	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	0.76	2		08/16/11 22:16	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.66	2		08/16/11 22:16	108-90-7	
Chloroethane	ND	ug/L	2.0	0.64	2		08/16/11 22:16	75-00-3	
Chloroform	ND	ug/L	2.0	0.68	2		08/16/11 22:16	67-66-3	
Chloromethane	ND	ug/L	8.0	0.72	2		08/16/11 22:16	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.74	2		08/16/11 22:16	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.58	2		08/16/11 22:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2.5	2		08/16/11 22:16	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		08/16/11 22:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.52	2		08/16/11 22:16	106-93-4	
Dibromomethane	ND	ug/L	8.0	0.96	2		08/16/11 22:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.62	2		08/16/11 22:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.80	2		08/16/11 22:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/16/11 22:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.46	2		08/16/11 22:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.46	2		08/16/11 22:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.46	2		08/16/11 22:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.94	2		08/16/11 22:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	0.74	2		08/16/11 22:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	8.0	0.42	2		08/16/11 22:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	0.50	2		08/16/11 22:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	8.0	0.82	2		08/16/11 22:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.72	2		08/16/11 22:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	0.84	2		08/16/11 22:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.92	2		08/16/11 22:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	0.54	2		08/16/11 22:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	0.36	2		08/16/11 22:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	0.56	2		08/16/11 22:16	60-29-7	
Ethylbenzene	ND	ug/L	2.0	0.76	2		08/16/11 22:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.40	2		08/16/11 22:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	0.72	2		08/16/11 22:16	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-07-8.5W **Lab ID: 10166204004** Collected: 08/09/11 09:30 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	2.0	0.72	2		08/16/11 22:16	99-87-6	
Methylene Chloride	ND	ug/L	8.0	4.0	2		08/16/11 22:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	4.0	2		08/16/11 22:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.48	2		08/16/11 22:16	1634-04-4	
Naphthalene	**120**	ug/L	8.0	1.1	2		08/16/11 22:16	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	0.84	2		08/16/11 22:16	103-65-1	
Styrene	ND	ug/L	2.0	0.70	2		08/16/11 22:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.70	2		08/16/11 22:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.34	2		08/16/11 22:16	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.52	2		08/16/11 22:16	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	8.2	2		08/16/11 22:16	109-99-9	
Toluene	**3.4**	ug/L	2.0	0.78	2		08/16/11 22:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.58	2		08/16/11 22:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.66	2		08/16/11 22:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.52	2		08/16/11 22:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.76	2		08/16/11 22:16	79-00-5	
Trichloroethene	ND	ug/L	2.0	0.40	2		08/16/11 22:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		08/16/11 22:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	0.50	2		08/16/11 22:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2.0	0.98	2		08/16/11 22:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.52	2		08/16/11 22:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.76	2		08/16/11 22:16	108-67-8	
Vinyl chloride	ND	ug/L	0.80	0.34	2		08/16/11 22:16	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2.2	2		08/16/11 22:16	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.3	2		08/16/11 22:16	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.92	2		08/16/11 22:16	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		2		08/16/11 22:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		2		08/16/11 22:16	17060-07-0	
Toluene-d8 (S)	99	%	75-125		2		08/16/11 22:16	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		2		08/16/11 22:16	460-00-4	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E								
Cyanide	**17.7**	ug/L	10.0	5.0	1		08/16/11 14:52	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-5 **Lab ID: 10166204005** Collected: 08/09/11 11:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**27.8**	mg/kg	7.2	0.47	1	08/15/11 07:32	08/16/11 12:20		T6
n-Triacontane (S)	62	%	50-150		1	08/15/11 07:32	08/16/11 12:20		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**20.3**	mg/kg	7.2	3.6	1	09/19/11 07:00	09/19/11 13:02		L2
n-Triacontane (S)	82	%	38-125		1	09/19/11 07:00	09/19/11 13:02		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.2	2.3	1	08/12/11 08:28	08/15/11 19:36		
a,a,a-Trifluorotoluene (S)	98	%	80-125		1	08/12/11 08:28	08/15/11 19:36	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.6**	mg/kg	0.50	0.25	1	08/12/11 13:50	08/15/11 17:26	7440-38-2	
Barium	**31.9**	mg/kg	0.50	0.020	1	08/12/11 13:50	08/15/11 17:26	7440-39-3	
Cadmium	**0.058**	mg/kg	0.050	0.010	1	08/12/11 13:50	08/15/11 17:26	7440-43-9	
Chromium	**6.4**	mg/kg	0.50	0.070	1	08/12/11 13:50	08/15/11 17:26	7440-47-3	
Lead	**5.8**	mg/kg	0.30	0.050	1	08/12/11 13:50	08/15/11 17:26	7439-92-1	
Selenium	ND	mg/kg	0.75	0.13	1	08/12/11 13:50	08/15/11 17:26	7782-49-2	
Silver	ND	mg/kg	0.50	0.030	1	08/12/11 13:50	08/15/11 17:26	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0016	1	08/15/11 15:41	08/16/11 15:08	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**4.3**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	83-32-9	
Acenaphthylene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	208-96-8	
Anthracene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	85-68-7	
Carbazole	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	59-50-7	
4-Chloroaniline	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.34	0.060	1	08/19/11 12:46	08/20/11 21:03	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.34	0.062	1	08/19/11 12:46	08/20/11 21:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.34	0.059	1	08/19/11 12:46	08/20/11 21:03	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-5 **Lab ID: 10166204005** Collected: 08/09/11 11:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	0.34	0.061	1	08/19/11 12:46	08/20/11 21:03	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	7005-72-3	
Chrysene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	53-70-3	
Dibenzofuran	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.34	0.064	1	08/19/11 12:46	08/20/11 21:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.34	0.059	1	08/19/11 12:46	08/20/11 21:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.34	0.061	1	08/19/11 12:46	08/20/11 21:03	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.70	0.35	1	08/19/11 12:46	08/20/11 21:03	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	120-83-2	
Diethylphthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	105-67-9	
Dimethylphthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	117-81-7	
Fluoranthene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	206-44-0	
Fluorene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.34	0.067	1	08/19/11 12:46	08/20/11 21:03	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	118-74-1	
Hexachloroethane	ND	mg/kg	0.34	0.063	1	08/19/11 12:46	08/20/11 21:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	193-39-5	
Isophorone	ND	mg/kg	0.34	0.059	1	08/19/11 12:46	08/20/11 21:03	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.34	0.052	1	08/19/11 12:46	08/20/11 21:03	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.69	0.34	1	08/19/11 12:46	08/20/11 21:03		
Naphthalene	ND	mg/kg	0.34	0.061	1	08/19/11 12:46	08/20/11 21:03	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	100-01-6	
Nitrobenzene	ND	mg/kg	0.34	0.067	1	08/19/11 12:46	08/20/11 21:03	98-95-3	
2-Nitrophenol	ND	mg/kg	0.34	0.063	1	08/19/11 12:46	08/20/11 21:03	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.34	0.058	1	08/19/11 12:46	08/20/11 21:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.34	0.057	1	08/19/11 12:46	08/20/11 21:03	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	86-30-6	
Pentachlorophenol	ND	mg/kg	0.70	0.35	1	08/19/11 12:46	08/20/11 21:03	87-86-5	
Phenanthrene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	85-01-8	
Phenol	ND	mg/kg	0.34	0.060	1	08/19/11 12:46	08/20/11 21:03	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-5 **Lab ID: 10166204005** Collected: 08/09/11 11:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.34	0.062	1	08/19/11 12:46	08/20/11 21:03	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.89	1	08/19/11 12:46	08/20/11 21:03	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.34	0.17	1	08/19/11 12:46	08/20/11 21:03	88-06-2	
Nitrobenzene-d5 (S)	66	%	50-120		1	08/19/11 12:46	08/20/11 21:03	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-150		1	08/19/11 12:46	08/20/11 21:03	321-60-8	
Terphenyl-d14 (S)	65	%	30-150		1	08/19/11 12:46	08/20/11 21:03	1718-51-0	
Phenol-d6 (S)	60	%	30-149		1	08/19/11 12:46	08/20/11 21:03	13127-88-3	
2-Fluorophenol (S)	63	%	30-147		1	08/19/11 12:46	08/20/11 21:03	367-12-4	
2,4,6-Tribromophenol (S)	64	%	30-150		1	08/19/11 12:46	08/20/11 21:03	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.52	0.26	1	08/12/11 14:21	08/14/11 18:52	67-64-1	
Allyl chloride	ND	mg/kg	0.21	0.069	1	08/12/11 14:21	08/14/11 18:52	107-05-1	
Benzene	ND	mg/kg	0.021	0.010	1	08/12/11 14:21	08/14/11 18:52	71-43-2	
Bromobenzene	ND	mg/kg	0.052	0.016	1	08/12/11 14:21	08/14/11 18:52	108-86-1	
Bromochloromethane	ND	mg/kg	0.052	0.024	1	08/12/11 14:21	08/14/11 18:52	74-97-5	
Bromodichloromethane	ND	mg/kg	0.052	0.020	1	08/12/11 14:21	08/14/11 18:52	75-27-4	
Bromoform	ND	mg/kg	0.21	0.052	1	08/12/11 14:21	08/14/11 18:52	75-25-2	
Bromomethane	ND	mg/kg	0.52	0.079	1	08/12/11 14:21	08/14/11 18:52	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.52	0.26	1	08/12/11 14:21	08/14/11 18:52	78-93-3	
n-Butylbenzene	ND	mg/kg	0.052	0.0050	1	08/12/11 14:21	08/14/11 18:52	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.052	0.0056	1	08/12/11 14:21	08/14/11 18:52	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.052	0.0066	1	08/12/11 14:21	08/14/11 18:52	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	56-23-5	
Chlorobenzene	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	108-90-7	
Chloroethane	ND	mg/kg	0.52	0.13	1	08/12/11 14:21	08/14/11 18:52	75-00-3	
Chloroform	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	67-66-3	
Chloromethane	ND	mg/kg	0.21	0.035	1	08/12/11 14:21	08/14/11 18:52	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.052	0.0071	1	08/12/11 14:21	08/14/11 18:52	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.052	0.0071	1	08/12/11 14:21	08/14/11 18:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.21	0.039	1	08/12/11 14:21	08/14/11 18:52	96-12-8	
Dibromochloromethane	ND	mg/kg	0.052	0.011	1	08/12/11 14:21	08/14/11 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.052	0.016	1	08/12/11 14:21	08/14/11 18:52	106-93-4	
Dibromomethane	ND	mg/kg	0.052	0.021	1	08/12/11 14:21	08/14/11 18:52	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.052	0.016	1	08/12/11 14:21	08/14/11 18:52	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.052	0.0067	1	08/12/11 14:21	08/14/11 18:52	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.052	0.0094	1	08/12/11 14:21	08/14/11 18:52	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.052	0.016	1	08/12/11 14:21	08/14/11 18:52	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.052	0.018	1	08/12/11 14:21	08/14/11 18:52	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.052	0.013	1	08/12/11 14:21	08/14/11 18:52	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.052	0.027	1	08/12/11 14:21	08/14/11 18:52	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.052	0.018	1	08/12/11 14:21	08/14/11 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.052	0.015	1	08/12/11 14:21	08/14/11 18:52	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.52	0.028	1	08/12/11 14:21	08/14/11 18:52	75-43-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-5 **Lab ID: 10166204005** Collected: 08/09/11 11:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.052	0.023	1	08/12/11 14:21	08/14/11 18:52	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.052	0.0087	1	08/12/11 14:21	08/14/11 18:52	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.21	0.021	1	08/12/11 14:21	08/14/11 18:52	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.052	0.0091	1	08/12/11 14:21	08/14/11 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.052	0.0097	1	08/12/11 14:21	08/14/11 18:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.21	0.035	1	08/12/11 14:21	08/14/11 18:52	60-29-7	
Ethylbenzene	ND	mg/kg	0.052	0.0029	1	08/12/11 14:21	08/14/11 18:52	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	0.0060	1	08/12/11 14:21	08/14/11 18:52	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.052	0.0066	1	08/12/11 14:21	08/14/11 18:52	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.052	0.0091	1	08/12/11 14:21	08/14/11 18:52	99-87-6	
Methylene Chloride	ND	mg/kg	0.21	0.10	1	08/12/11 14:21	08/14/11 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.52	0.26	1	08/12/11 14:21	08/14/11 18:52	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.052	0.017	1	08/12/11 14:21	08/14/11 18:52	1634-04-4	
Naphthalene	ND	mg/kg	0.21	0.0090	1	08/12/11 14:21	08/14/11 18:52	91-20-3	
n-Propylbenzene	ND	mg/kg	0.052	0.0042	1	08/12/11 14:21	08/14/11 18:52	103-65-1	
Styrene	ND	mg/kg	0.052	0.0066	1	08/12/11 14:21	08/14/11 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.052	0.013	1	08/12/11 14:21	08/14/11 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	79-34-5	
Tetrachloroethene	ND	mg/kg	0.052	0.014	1	08/12/11 14:21	08/14/11 18:52	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.1	0.16	1	08/12/11 14:21	08/14/11 18:52	109-99-9	
Toluene	ND	mg/kg	0.052	0.0079	1	08/12/11 14:21	08/14/11 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.052	0.015	1	08/12/11 14:21	08/14/11 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.052	0.012	1	08/12/11 14:21	08/14/11 18:52	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.052	0.0068	1	08/12/11 14:21	08/14/11 18:52	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.052	0.023	1	08/12/11 14:21	08/14/11 18:52	79-00-5	
Trichloroethene	ND	mg/kg	0.052	0.017	1	08/12/11 14:21	08/14/11 18:52	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.21	0.026	1	08/12/11 14:21	08/14/11 18:52	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.21	0.017	1	08/12/11 14:21	08/14/11 18:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.052	0.021	1	08/12/11 14:21	08/14/11 18:52	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.052	0.0077	1	08/12/11 14:21	08/14/11 18:52	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.052	0.0070	1	08/12/11 14:21	08/14/11 18:52	108-67-8	
Vinyl chloride	ND	mg/kg	0.021	0.0098	1	08/12/11 14:21	08/14/11 18:52	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.028	1	08/12/11 14:21	08/14/11 18:52	1330-20-7	
Dibromofluoromethane (S)	107	%	30-150		1	08/12/11 14:21	08/14/11 18:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	30-150		1	08/12/11 14:21	08/14/11 18:52	17060-07-0	
Toluene-d8 (S)	98	%	30-150		1	08/12/11 14:21	08/14/11 18:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%	30-150		1	08/12/11 14:21	08/14/11 18:52	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.19**	mg/kg	0.15	0.073	1		08/17/11 19:21	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-14 **Lab ID: 10166204006** Collected: 08/09/11 11:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**46.7**	mg/kg	34.9	2.3	1	08/15/11 07:32	08/16/11 11:45		T6
n-Triacontane (S)	73	%	50-150		1	08/15/11 07:32	08/16/11 11:45		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	34.9	17.4	1	09/19/11 07:00	09/19/11 13:09		L2
n-Triacontane (S)	71	%	38-125		1	09/19/11 07:00	09/19/11 13:09		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	22.7	9.9	1	08/12/11 08:28	08/15/11 19:59		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/12/11 08:28	08/15/11 19:59	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	2.1	1.1	1	08/12/11 13:50	08/15/11 17:33	7440-38-2	
Barium	**94.9**	mg/kg	2.1	0.085	1	08/12/11 13:50	08/15/11 17:33	7440-39-3	
Cadmium	ND	mg/kg	0.21	0.043	1	08/12/11 13:50	08/15/11 17:33	7440-43-9	
Chromium	ND	mg/kg	2.1	0.30	1	08/12/11 13:50	08/15/11 17:33	7440-47-3	
Lead	**26.3**	mg/kg	1.3	0.21	1	08/12/11 13:50	08/15/11 17:33	7439-92-1	
Selenium	ND	mg/kg	3.2	0.55	1	08/12/11 13:50	08/15/11 17:33	7782-49-2	
Silver	ND	mg/kg	2.1	0.13	1	08/12/11 13:50	08/15/11 17:33	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.071	0.0057	1	08/15/11 15:41	08/16/11 15:10	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**76.7**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	83-32-9	
Acenaphthylene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	208-96-8	
Anthracene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	85-68-7	
Carbazole	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	59-50-7	
4-Chloroaniline	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.4	0.26	1	08/19/11 12:46	08/20/11 21:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.4	0.24	1	08/19/11 12:46	08/20/11 21:28	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-14 **Lab ID: 10166204006** Collected: 08/09/11 11:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	7005-72-3	
Chrysene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	53-70-3	
Dibenzofuran	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.4	0.26	1	08/19/11 12:46	08/20/11 21:28	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.4	0.24	1	08/19/11 12:46	08/20/11 21:28	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	2.9	1.4	1	08/19/11 12:46	08/20/11 21:28	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	120-83-2	
Diethylphthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	105-67-9	
Dimethylphthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	117-81-7	
Fluoranthene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	206-44-0	
Fluorene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.4	0.28	1	08/19/11 12:46	08/20/11 21:28	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	118-74-1	
Hexachloroethane	ND	mg/kg	1.4	0.26	1	08/19/11 12:46	08/20/11 21:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	193-39-5	
Isophorone	ND	mg/kg	1.4	0.24	1	08/19/11 12:46	08/20/11 21:28	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.4	0.21	1	08/19/11 12:46	08/20/11 21:28	95-48-7	
3&4-Methylphenol	ND	mg/kg	2.8	1.4	1	08/19/11 12:46	08/20/11 21:28		
Naphthalene	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	91-20-3	
2-Nitroaniline	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	88-74-4	
3-Nitroaniline	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	99-09-2	
4-Nitroaniline	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	100-01-6	
Nitrobenzene	ND	mg/kg	1.4	0.28	1	08/19/11 12:46	08/20/11 21:28	98-95-3	
2-Nitrophenol	ND	mg/kg	1.4	0.26	1	08/19/11 12:46	08/20/11 21:28	88-75-5	
4-Nitrophenol	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.4	0.24	1	08/19/11 12:46	08/20/11 21:28	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.4	0.23	1	08/19/11 12:46	08/20/11 21:28	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	86-30-6	
Pentachlorophenol	ND	mg/kg	2.9	1.4	1	08/19/11 12:46	08/20/11 21:28	87-86-5	
Phenanthrene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	85-01-8	
Phenol	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-14 **Lab ID: 10166204006** Collected: 08/09/11 11:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.4	0.25	1	08/19/11 12:46	08/20/11 21:28	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	7.3	3.6	1	08/19/11 12:46	08/20/11 21:28	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.4	0.71	1	08/19/11 12:46	08/20/11 21:28	88-06-2	
Nitrobenzene-d5 (S)	71	%	50-120		1	08/19/11 12:46	08/20/11 21:28	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-150		1	08/19/11 12:46	08/20/11 21:28	321-60-8	
Terphenyl-d14 (S)	78	%	30-150		1	08/19/11 12:46	08/20/11 21:28	1718-51-0	
Phenol-d6 (S)	69	%	30-149		1	08/19/11 12:46	08/20/11 21:28	13127-88-3	
2-Fluorophenol (S)	70	%	30-147		1	08/19/11 12:46	08/20/11 21:28	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-150		1	08/19/11 12:46	08/20/11 21:28	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	2.2	1.1	1	08/12/11 14:21	08/14/11 19:13	67-64-1	
Allyl chloride	ND	mg/kg	0.88	0.29	1	08/12/11 14:21	08/14/11 19:13	107-05-1	
Benzene	ND	mg/kg	0.088	0.044	1	08/12/11 14:21	08/14/11 19:13	71-43-2	
Bromobenzene	ND	mg/kg	0.22	0.067	1	08/12/11 14:21	08/14/11 19:13	108-86-1	
Bromochloromethane	ND	mg/kg	0.22	0.10	1	08/12/11 14:21	08/14/11 19:13	74-97-5	
Bromodichloromethane	ND	mg/kg	0.22	0.086	1	08/12/11 14:21	08/14/11 19:13	75-27-4	
Bromoform	ND	mg/kg	0.88	0.22	1	08/12/11 14:21	08/14/11 19:13	75-25-2	
Bromomethane	ND	mg/kg	2.2	0.33	1	08/12/11 14:21	08/14/11 19:13	74-83-9	
2-Butanone (MEK)	ND	mg/kg	2.2	1.1	1	08/12/11 14:21	08/14/11 19:13	78-93-3	
n-Butylbenzene	ND	mg/kg	0.22	0.021	1	08/12/11 14:21	08/14/11 19:13	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.22	0.024	1	08/12/11 14:21	08/14/11 19:13	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.22	0.028	1	08/12/11 14:21	08/14/11 19:13	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.22	0.051	1	08/12/11 14:21	08/14/11 19:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.22	0.050	1	08/12/11 14:21	08/14/11 19:13	108-90-7	
Chloroethane	ND	mg/kg	2.2	0.53	1	08/12/11 14:21	08/14/11 19:13	75-00-3	
Chloroform	ND	mg/kg	0.22	0.049	1	08/12/11 14:21	08/14/11 19:13	67-66-3	
Chloromethane	ND	mg/kg	0.88	0.15	1	08/12/11 14:21	08/14/11 19:13	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.22	0.030	1	08/12/11 14:21	08/14/11 19:13	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.22	0.030	1	08/12/11 14:21	08/14/11 19:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.88	0.17	1	08/12/11 14:21	08/14/11 19:13	96-12-8	
Dibromochloromethane	ND	mg/kg	0.22	0.047	1	08/12/11 14:21	08/14/11 19:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.22	0.068	1	08/12/11 14:21	08/14/11 19:13	106-93-4	
Dibromomethane	ND	mg/kg	0.22	0.088	1	08/12/11 14:21	08/14/11 19:13	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.22	0.068	1	08/12/11 14:21	08/14/11 19:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.22	0.028	1	08/12/11 14:21	08/14/11 19:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.22	0.039	1	08/12/11 14:21	08/14/11 19:13	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.22	0.067	1	08/12/11 14:21	08/14/11 19:13	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.22	0.075	1	08/12/11 14:21	08/14/11 19:13	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.22	0.056	1	08/12/11 14:21	08/14/11 19:13	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.22	0.11	1	08/12/11 14:21	08/14/11 19:13	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.22	0.074	1	08/12/11 14:21	08/14/11 19:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.22	0.062	1	08/12/11 14:21	08/14/11 19:13	156-60-5	
Dichlorofluoromethane	ND	mg/kg	2.2	0.12	1	08/12/11 14:21	08/14/11 19:13	75-43-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-14 **Lab ID: 10166204006** Collected: 08/09/11 11:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.22	0.096	1	08/12/11 14:21	08/14/11 19:13	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.22	0.037	1	08/12/11 14:21	08/14/11 19:13	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.88	0.089	1	08/12/11 14:21	08/14/11 19:13	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.22	0.049	1	08/12/11 14:21	08/14/11 19:13	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.22	0.038	1	08/12/11 14:21	08/14/11 19:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.22	0.041	1	08/12/11 14:21	08/14/11 19:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.88	0.15	1	08/12/11 14:21	08/14/11 19:13	60-29-7	
Ethylbenzene	ND	mg/kg	0.22	0.012	1	08/12/11 14:21	08/14/11 19:13	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	1.1	0.025	1	08/12/11 14:21	08/14/11 19:13	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.22	0.028	1	08/12/11 14:21	08/14/11 19:13	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.22	0.038	1	08/12/11 14:21	08/14/11 19:13	99-87-6	
Methylene Chloride	ND	mg/kg	0.88	0.44	1	08/12/11 14:21	08/14/11 19:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.2	1.1	1	08/12/11 14:21	08/14/11 19:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.22	0.073	1	08/12/11 14:21	08/14/11 19:13	1634-04-4	
Naphthalene	ND	mg/kg	0.88	0.038	1	08/12/11 14:21	08/14/11 19:13	91-20-3	
n-Propylbenzene	ND	mg/kg	0.22	0.018	1	08/12/11 14:21	08/14/11 19:13	103-65-1	
Styrene	ND	mg/kg	0.22	0.028	1	08/12/11 14:21	08/14/11 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.22	0.054	1	08/12/11 14:21	08/14/11 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.22	0.052	1	08/12/11 14:21	08/14/11 19:13	79-34-5	
Tetrachloroethene	ND	mg/kg	0.22	0.058	1	08/12/11 14:21	08/14/11 19:13	127-18-4	
Tetrahydrofuran	ND	mg/kg	8.8	0.66	1	08/12/11 14:21	08/14/11 19:13	109-99-9	
Toluene	ND	mg/kg	0.22	0.033	1	08/12/11 14:21	08/14/11 19:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.22	0.062	1	08/12/11 14:21	08/14/11 19:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.22	0.048	1	08/12/11 14:21	08/14/11 19:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.22	0.029	1	08/12/11 14:21	08/14/11 19:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.22	0.095	1	08/12/11 14:21	08/14/11 19:13	79-00-5	
Trichloroethene	ND	mg/kg	0.22	0.073	1	08/12/11 14:21	08/14/11 19:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.88	0.11	1	08/12/11 14:21	08/14/11 19:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.88	0.070	1	08/12/11 14:21	08/14/11 19:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.22	0.088	1	08/12/11 14:21	08/14/11 19:13	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.22	0.032	1	08/12/11 14:21	08/14/11 19:13	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.22	0.029	1	08/12/11 14:21	08/14/11 19:13	108-67-8	
Vinyl chloride	ND	mg/kg	0.088	0.041	1	08/12/11 14:21	08/14/11 19:13	75-01-4	
Xylene (Total)	ND	mg/kg	0.66	0.12	1	08/12/11 14:21	08/14/11 19:13	1330-20-7	
Dibromofluoromethane (S)	69	%	30-150		1	08/12/11 14:21	08/14/11 19:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	67	%	30-150		1	08/12/11 14:21	08/14/11 19:13	17060-07-0	
Toluene-d8 (S)	55	%	30-150		1	08/12/11 14:21	08/14/11 19:13	2037-26-5	
4-Bromofluorobenzene (S)	47	%	30-150		1	08/12/11 14:21	08/14/11 19:13	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-9.5W **Lab ID: 10166204007** Collected: 08/09/11 11:20 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/16/11 14:17	08/18/11 18:46	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 18:46		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 18:46	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/16/11 14:17	08/18/11 18:46	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	120-82-1	
Naphthalene	**20.3**	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	95-95-4	
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	99-09-2	
Acenaphthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 18:46	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/16/11 14:17	08/18/11 18:46	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-9.5W **Lab ID: 10166204007** Collected: 08/09/11 11:20 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 18:46	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 18:46	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/16/11 14:17	08/18/11 18:46	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	122-66-7	
Carbazole	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 18:46	90-12-0	
Nitrobenzene-d5 (S)	89	%	30-150		1	08/16/11 14:17	08/18/11 18:46	4165-60-0	
2-Fluorobiphenyl (S)	91	%	30-150		1	08/16/11 14:17	08/18/11 18:46	321-60-8	
Terphenyl-d14 (S)	95	%	30-150		1	08/16/11 14:17	08/18/11 18:46	1718-51-0	
Phenol-d6 (S)	86	%	30-150		1	08/16/11 14:17	08/18/11 18:46	13127-88-3	
2-Fluorophenol (S)	79	%	30-148		1	08/16/11 14:17	08/18/11 18:46	367-12-4	
2,4,6-Tribromophenol (S)	102	%	30-150		1	08/16/11 14:17	08/18/11 18:46	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/13/11 05:36	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/13/11 05:36	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/13/11 05:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/13/11 05:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/13/11 05:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/13/11 05:36	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/13/11 05:36	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/13/11 05:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/13/11 05:36	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:36	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/13/11 05:36	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/13/11 05:36	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/13/11 05:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/13/11 05:36	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/13/11 05:36	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/13/11 05:36	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/13/11 05:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/13/11 05:36	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-9.5W **Lab ID: 10166204007** Collected: 08/09/11 11:20 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/13/11 05:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/13/11 05:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/13/11 05:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/13/11 05:36	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/13/11 05:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/13/11 05:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/13/11 05:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/13/11 05:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/13/11 05:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/13/11 05:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/13/11 05:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/13/11 05:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/13/11 05:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/13/11 05:36	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/13/11 05:36	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/13/11 05:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/13/11 05:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/13/11 05:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/13/11 05:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/13/11 05:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/13/11 05:36	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/13/11 05:36	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/13/11 05:36	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/13/11 05:36	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/13/11 05:36	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/13/11 05:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/13/11 05:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/13/11 05:36	1634-04-4	
Naphthalene	**34.1**	ug/L	4.0	0.57	1		08/13/11 05:36	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/13/11 05:36	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/13/11 05:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/13/11 05:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/13/11 05:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/13/11 05:36	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/13/11 05:36	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/13/11 05:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/13/11 05:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/13/11 05:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/13/11 05:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/13/11 05:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/13/11 05:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/13/11 05:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/13/11 05:36	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/13/11 05:36	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/13/11 05:36	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-08-9.5W **Lab ID: 10166204007** Collected: 08/09/11 11:20 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:36	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/13/11 05:36	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/13/11 05:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/13/11 05:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/13/11 05:36	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/13/11 05:36	1868-53-7	HS
1,2-Dichloroethane-d4 (S)	102	%	75-125		1		08/13/11 05:36	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/13/11 05:36	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/13/11 05:36	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-5 **Lab ID: 10166204008** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**41.6**	mg/kg	7.3	0.47	1	08/15/11 07:32	08/16/11 12:27		T6
n-Triacontane (S)	63	%	50-150		1	08/15/11 07:32	08/16/11 12:27		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**30.5**	mg/kg	7.3	3.6	1	09/19/11 07:00	09/19/11 16:32		L2
n-Triacontane (S)	125	%	38-125		1	09/19/11 07:00	09/19/11 16:32		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.2	2.3	1	08/12/11 08:28	08/15/11 12:08		M1
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/12/11 08:28	08/15/11 12:08	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.9**	mg/kg	0.47	0.23	1	08/12/11 13:50	08/15/11 17:38	7440-38-2	
Barium	**29.2**	mg/kg	0.47	0.019	1	08/12/11 13:50	08/15/11 17:38	7440-39-3	
Cadmium	**0.065**	mg/kg	0.047	0.0093	1	08/12/11 13:50	08/15/11 17:38	7440-43-9	
Chromium	**6.8**	mg/kg	0.47	0.065	1	08/12/11 13:50	08/15/11 17:38	7440-47-3	
Lead	**15.3**	mg/kg	0.28	0.047	1	08/12/11 13:50	08/15/11 17:38	7439-92-1	
Selenium	ND	mg/kg	0.70	0.12	1	08/12/11 13:50	08/15/11 17:38	7782-49-2	
Silver	ND	mg/kg	0.47	0.028	1	08/12/11 13:50	08/15/11 17:38	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.021**	mg/kg	0.020	0.0016	1	08/15/11 15:41	08/16/11 15:12	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**6.6**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	83-32-9	
Acenaphthylene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	208-96-8	
Anthracene	**0.65**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	120-12-7	
Benzo(a)anthracene	**1.5**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	56-55-3	
Benzo(a)pyrene	**1.4**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	50-32-8	
Benzo(b)fluoranthene	**1.8**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	205-99-2	
Benzo(g,h,i)perylene	**0.84**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	191-24-2	
Benzo(k)fluoranthene	**0.63**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	85-68-7	
Carbazole	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	59-50-7	
4-Chloroaniline	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 22:43	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.35	0.064	1	08/19/11 12:46	08/20/11 22:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 22:43	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-5 **Lab ID: 10166204008** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 22:43	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	7005-72-3	
Chrysene	**1.9**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	53-70-3	
Dibenzofuran	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.35	0.065	1	08/19/11 12:46	08/20/11 22:43	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.35	0.060	1	08/19/11 12:46	08/20/11 22:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 22:43	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 22:43	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	120-83-2	
Diethylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	105-67-9	
Dimethylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	117-81-7	
Fluoranthene	**2.7**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	206-44-0	
Fluorene	**0.44**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.35	0.068	1	08/19/11 12:46	08/20/11 22:43	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	118-74-1	
Hexachloroethane	ND	mg/kg	0.35	0.064	1	08/19/11 12:46	08/20/11 22:43	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.71**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	193-39-5	
Isophorone	ND	mg/kg	0.35	0.061	1	08/19/11 12:46	08/20/11 22:43	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.35	0.053	1	08/19/11 12:46	08/20/11 22:43	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.70	0.35	1	08/19/11 12:46	08/20/11 22:43		
Naphthalene	**0.46**	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 22:43	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	100-01-6	
Nitrobenzene	ND	mg/kg	0.35	0.068	1	08/19/11 12:46	08/20/11 22:43	98-95-3	
2-Nitrophenol	ND	mg/kg	0.35	0.064	1	08/19/11 12:46	08/20/11 22:43	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.35	0.059	1	08/19/11 12:46	08/20/11 22:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.35	0.058	1	08/19/11 12:46	08/20/11 22:43	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	86-30-6	
Pentachlorophenol	ND	mg/kg	0.71	0.36	1	08/19/11 12:46	08/20/11 22:43	87-86-5	
Phenanthrene	**1.9**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	85-01-8	
Phenol	ND	mg/kg	0.35	0.062	1	08/19/11 12:46	08/20/11 22:43	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-5 **Lab ID: 10166204008** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	**2.6**	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.35	0.063	1	08/19/11 12:46	08/20/11 22:43	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.90	1	08/19/11 12:46	08/20/11 22:43	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.35	0.18	1	08/19/11 12:46	08/20/11 22:43	88-06-2	
Nitrobenzene-d5 (S)	66	%	50-120		1	08/19/11 12:46	08/20/11 22:43	4165-60-0	
2-Fluorobiphenyl (S)	82	%	30-150		1	08/19/11 12:46	08/20/11 22:43	321-60-8	
Terphenyl-d14 (S)	87	%	30-150		1	08/19/11 12:46	08/20/11 22:43	1718-51-0	
Phenol-d6 (S)	74	%	30-149		1	08/19/11 12:46	08/20/11 22:43	13127-88-3	
2-Fluorophenol (S)	66	%	30-147		1	08/19/11 12:46	08/20/11 22:43	367-12-4	
2,4,6-Tribromophenol (S)	90	%	30-150		1	08/19/11 12:46	08/20/11 22:43	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.54	0.27	1	08/12/11 14:21	08/14/11 19:33	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.071	1	08/12/11 14:21	08/14/11 19:33	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/12/11 14:21	08/14/11 19:33	71-43-2	
Bromobenzene	ND	mg/kg	0.054	0.016	1	08/12/11 14:21	08/14/11 19:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.054	0.025	1	08/12/11 14:21	08/14/11 19:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.054	0.021	1	08/12/11 14:21	08/14/11 19:33	75-27-4	
Bromoform	ND	mg/kg	0.22	0.054	1	08/12/11 14:21	08/14/11 19:33	75-25-2	
Bromomethane	ND	mg/kg	0.54	0.082	1	08/12/11 14:21	08/14/11 19:33	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.54	0.27	1	08/12/11 14:21	08/14/11 19:33	78-93-3	
n-Butylbenzene	ND	mg/kg	0.054	0.0051	1	08/12/11 14:21	08/14/11 19:33	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.054	0.0058	1	08/12/11 14:21	08/14/11 19:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.054	0.0068	1	08/12/11 14:21	08/14/11 19:33	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.054	0.013	1	08/12/11 14:21	08/14/11 19:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.054	0.012	1	08/12/11 14:21	08/14/11 19:33	108-90-7	
Chloroethane	ND	mg/kg	0.54	0.13	1	08/12/11 14:21	08/14/11 19:33	75-00-3	
Chloroform	ND	mg/kg	0.054	0.012	1	08/12/11 14:21	08/14/11 19:33	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.036	1	08/12/11 14:21	08/14/11 19:33	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.054	0.0073	1	08/12/11 14:21	08/14/11 19:33	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.054	0.0073	1	08/12/11 14:21	08/14/11 19:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.040	1	08/12/11 14:21	08/14/11 19:33	96-12-8	
Dibromochloromethane	ND	mg/kg	0.054	0.012	1	08/12/11 14:21	08/14/11 19:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.054	0.017	1	08/12/11 14:21	08/14/11 19:33	106-93-4	
Dibromomethane	ND	mg/kg	0.054	0.021	1	08/12/11 14:21	08/14/11 19:33	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.054	0.017	1	08/12/11 14:21	08/14/11 19:33	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.054	0.0069	1	08/12/11 14:21	08/14/11 19:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.054	0.0096	1	08/12/11 14:21	08/14/11 19:33	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.054	0.016	1	08/12/11 14:21	08/14/11 19:33	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.054	0.018	1	08/12/11 14:21	08/14/11 19:33	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.054	0.014	1	08/12/11 14:21	08/14/11 19:33	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.054	0.027	1	08/12/11 14:21	08/14/11 19:33	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.054	0.018	1	08/12/11 14:21	08/14/11 19:33	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.054	0.015	1	08/12/11 14:21	08/14/11 19:33	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.54	0.028	1	08/12/11 14:21	08/14/11 19:33	75-43-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-5 **Lab ID: 10166204008** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.054	0.023	1	08/12/11 14:21	08/14/11 19:33	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.054	0.0089	1	08/12/11 14:21	08/14/11 19:33	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/12/11 14:21	08/14/11 19:33	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.054	0.012	1	08/12/11 14:21	08/14/11 19:33	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.054	0.0094	1	08/12/11 14:21	08/14/11 19:33	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.054	0.010	1	08/12/11 14:21	08/14/11 19:33	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.036	1	08/12/11 14:21	08/14/11 19:33	60-29-7	
Ethylbenzene	ND	mg/kg	0.054	0.0030	1	08/12/11 14:21	08/14/11 19:33	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.27	0.0061	1	08/12/11 14:21	08/14/11 19:33	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.054	0.0068	1	08/12/11 14:21	08/14/11 19:33	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.054	0.0093	1	08/12/11 14:21	08/14/11 19:33	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/12/11 14:21	08/14/11 19:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.54	0.27	1	08/12/11 14:21	08/14/11 19:33	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.054	0.018	1	08/12/11 14:21	08/14/11 19:33	1634-04-4	
Naphthalene	**1.2**	mg/kg	0.22	0.0092	1	08/12/11 14:21	08/14/11 19:33	91-20-3	
n-Propylbenzene	ND	mg/kg	0.054	0.0043	1	08/12/11 14:21	08/14/11 19:33	103-65-1	
Styrene	ND	mg/kg	0.054	0.0068	1	08/12/11 14:21	08/14/11 19:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/12/11 14:21	08/14/11 19:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/12/11 14:21	08/14/11 19:33	79-34-5	
Tetrachloroethene	ND	mg/kg	0.054	0.014	1	08/12/11 14:21	08/14/11 19:33	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.16	1	08/12/11 14:21	08/14/11 19:33	109-99-9	
Toluene	ND	mg/kg	0.054	0.0081	1	08/12/11 14:21	08/14/11 19:33	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.054	0.015	1	08/12/11 14:21	08/14/11 19:33	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.054	0.012	1	08/12/11 14:21	08/14/11 19:33	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.054	0.0070	1	08/12/11 14:21	08/14/11 19:33	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.054	0.023	1	08/12/11 14:21	08/14/11 19:33	79-00-5	
Trichloroethene	ND	mg/kg	0.054	0.018	1	08/12/11 14:21	08/14/11 19:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/12/11 14:21	08/14/11 19:33	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.017	1	08/12/11 14:21	08/14/11 19:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.054	0.021	1	08/12/11 14:21	08/14/11 19:33	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.054	0.0079	1	08/12/11 14:21	08/14/11 19:33	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.054	0.0072	1	08/12/11 14:21	08/14/11 19:33	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/12/11 14:21	08/14/11 19:33	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.029	1	08/12/11 14:21	08/14/11 19:33	1330-20-7	
Dibromofluoromethane (S)	113	%	30-150		1	08/12/11 14:21	08/14/11 19:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	30-150		1	08/12/11 14:21	08/14/11 19:33	17060-07-0	
Toluene-d8 (S)	105	%	30-150		1	08/12/11 14:21	08/14/11 19:33	2037-26-5	
4-Bromofluorobenzene (S)	107	%	30-150		1	08/12/11 14:21	08/14/11 19:33	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-10 **Lab ID: 10166204009** Collected: 08/09/11 12:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**7580**	mg/kg	919	59.8	100	08/15/11 07:32	08/16/11 14:37		T6
n-Triacontane (S)	0	%	50-150		100	08/15/11 07:32	08/16/11 14:37		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**342**	mg/kg	29.5	12.8	5	08/12/11 08:28	08/15/11 18:01		
a,a,a-Trifluorotoluene (S)	124	%	80-125		5	08/12/11 08:28	08/15/11 18:01	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.6**	mg/kg	0.46	0.23	1	08/12/11 13:50	08/15/11 17:44	7440-38-2	
Barium	**14.3**	mg/kg	0.46	0.019	1	08/12/11 13:50	08/15/11 17:44	7440-39-3	
Cadmium	ND	mg/kg	0.046	0.0093	1	08/12/11 13:50	08/15/11 17:44	7440-43-9	
Chromium	**5.8**	mg/kg	0.46	0.065	1	08/12/11 13:50	08/15/11 17:44	7440-47-3	
Lead	**4.6**	mg/kg	0.28	0.046	1	08/12/11 13:50	08/15/11 17:44	7439-92-1	
Selenium	ND	mg/kg	0.70	0.12	1	08/12/11 13:50	08/15/11 17:44	7782-49-2	
Silver	ND	mg/kg	0.46	0.028	1	08/12/11 13:50	08/15/11 17:44	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.0018	1	08/15/11 15:41	08/16/11 15:14	7439-97-6	M1
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**15.0**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**150**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	83-32-9	
Acenaphthylene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	208-96-8	
Anthracene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	120-12-7	
Benzo(a)anthracene	**117**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	56-55-3	
Benzo(a)pyrene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	50-32-8	
Benzo(b)fluoranthene	**124**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	101-55-3	
Butylbenzylphthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	85-68-7	
Carbazole	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	59-50-7	
4-Chloroaniline	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	96.5	16.8	50	08/19/11 12:46	08/22/11 12:54	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	96.5	17.5	50	08/19/11 12:46	08/22/11 12:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	96.5	16.7	50	08/19/11 12:46	08/22/11 12:54	108-60-1	
2-Chloronaphthalene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	91-58-7	
2-Chlorophenol	ND	mg/kg	96.5	17.1	50	08/19/11 12:46	08/22/11 12:54	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	7005-72-3	
Chrysene	**132**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-10 **Lab ID: 10166204009** Collected: 08/09/11 12:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	96.5	17.9	50	08/19/11 12:46	08/22/11 12:54	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	96.5	16.6	50	08/19/11 12:46	08/22/11 12:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	96.5	17.1	50	08/19/11 12:46	08/22/11 12:54	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	196	97.9	50	08/19/11 12:46	08/22/11 12:54	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	120-83-2	
Diethylphthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	105-67-9	
Dimethylphthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	131-11-3	L2
Di-n-butylphthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	606-20-2	
Di-n-octylphthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	117-81-7	
Fluoranthene	**471**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	206-44-0	
Fluorene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	96.5	18.8	50	08/19/11 12:46	08/22/11 12:54	87-68-3	
Hexachlorobenzene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	118-74-1	
Hexachloroethane	ND	mg/kg	96.5	17.6	50	08/19/11 12:46	08/22/11 12:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	193-39-5	
Isophorone	ND	mg/kg	96.5	16.6	50	08/19/11 12:46	08/22/11 12:54	78-59-1	
1-Methylnaphthalene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	90-12-0	
2-Methylnaphthalene	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	96.5	14.6	50	08/19/11 12:46	08/22/11 12:54	95-48-7	
3&4-Methylphenol	ND	mg/kg	193	96.5	50	08/19/11 12:46	08/22/11 12:54		
Naphthalene	**301**	mg/kg	96.5	17.0	50	08/19/11 12:46	08/22/11 12:54	91-20-3	
2-Nitroaniline	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	88-74-4	
3-Nitroaniline	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	99-09-2	
4-Nitroaniline	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	100-01-6	
Nitrobenzene	ND	mg/kg	96.5	18.8	50	08/19/11 12:46	08/22/11 12:54	98-95-3	
2-Nitrophenol	ND	mg/kg	96.5	17.6	50	08/19/11 12:46	08/22/11 12:54	88-75-5	
4-Nitrophenol	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	96.5	16.2	50	08/19/11 12:46	08/22/11 12:54	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	96.5	15.9	50	08/19/11 12:46	08/22/11 12:54	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	86-30-6	
Pentachlorophenol	ND	mg/kg	196	97.9	50	08/19/11 12:46	08/22/11 12:54	87-86-5	
Phenanthrene	**252**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	85-01-8	
Phenol	ND	mg/kg	96.5	16.9	50	08/19/11 12:46	08/22/11 12:54	108-95-2	
Pyrene	**280**	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	96.5	17.3	50	08/19/11 12:46	08/22/11 12:54	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	497	248	50	08/19/11 12:46	08/22/11 12:54	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	96.5	48.2	50	08/19/11 12:46	08/22/11 12:54	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-10 **Lab ID: 10166204009** Collected: 08/09/11 12:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	0	%	50-120		50	08/19/11 12:46	08/22/11 12:54	4165-60-0	D4,P3, S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 12:54	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 12:54	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		50	08/19/11 12:46	08/22/11 12:54	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-147		50	08/19/11 12:46	08/22/11 12:54	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/19/11 12:46	08/22/11 12:54	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	61.6	30.8	50	08/12/11 14:21	08/16/11 19:40	67-64-1	
Allyl chloride	ND	mg/kg	24.6	8.1	50	08/12/11 14:21	08/16/11 19:40	107-05-1	
Benzene	ND	mg/kg	2.5	1.2	50	08/12/11 14:21	08/16/11 19:40	71-43-2	
Bromobenzene	ND	mg/kg	6.2	1.9	50	08/12/11 14:21	08/16/11 19:40	108-86-1	
Bromochloromethane	ND	mg/kg	6.2	2.8	50	08/12/11 14:21	08/16/11 19:40	74-97-5	
Bromodichloromethane	ND	mg/kg	6.2	2.4	50	08/12/11 14:21	08/16/11 19:40	75-27-4	
Bromoform	ND	mg/kg	24.6	6.1	50	08/12/11 14:21	08/16/11 19:40	75-25-2	
Bromomethane	ND	mg/kg	61.6	9.3	50	08/12/11 14:21	08/16/11 19:40	74-83-9	
2-Butanone (MEK)	ND	mg/kg	61.6	30.8	50	08/12/11 14:21	08/16/11 19:40	78-93-3	
n-Butylbenzene	ND	mg/kg	6.2	0.58	50	08/12/11 14:21	08/16/11 19:40	104-51-8	
sec-Butylbenzene	ND	mg/kg	6.2	0.66	50	08/12/11 14:21	08/16/11 19:40	135-98-8	
tert-Butylbenzene	ND	mg/kg	6.2	0.78	50	08/12/11 14:21	08/16/11 19:40	98-06-6	
Carbon tetrachloride	ND	mg/kg	6.2	1.4	50	08/12/11 14:21	08/16/11 19:40	56-23-5	
Chlorobenzene	ND	mg/kg	6.2	1.4	50	08/12/11 14:21	08/16/11 19:40	108-90-7	
Chloroethane	ND	mg/kg	61.6	14.9	50	08/12/11 14:21	08/16/11 19:40	75-00-3	
Chloroform	ND	mg/kg	6.2	1.4	50	08/12/11 14:21	08/16/11 19:40	67-66-3	
Chloromethane	ND	mg/kg	24.6	4.1	50	08/12/11 14:21	08/16/11 19:40	74-87-3	
2-Chlorotoluene	ND	mg/kg	6.2	0.84	50	08/12/11 14:21	08/16/11 19:40	95-49-8	
4-Chlorotoluene	ND	mg/kg	6.2	0.83	50	08/12/11 14:21	08/16/11 19:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	24.6	4.6	50	08/12/11 14:21	08/16/11 19:40	96-12-8	
Dibromochloromethane	ND	mg/kg	6.2	1.3	50	08/12/11 14:21	08/16/11 19:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	6.2	1.9	50	08/12/11 14:21	08/16/11 19:40	106-93-4	
Dibromomethane	ND	mg/kg	6.2	2.5	50	08/12/11 14:21	08/16/11 19:40	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	6.2	1.9	50	08/12/11 14:21	08/16/11 19:40	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	6.2	0.79	50	08/12/11 14:21	08/16/11 19:40	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	6.2	1.1	50	08/12/11 14:21	08/16/11 19:40	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	6.2	1.9	50	08/12/11 14:21	08/16/11 19:40	75-71-8	
1,1-Dichloroethane	ND	mg/kg	6.2	2.1	50	08/12/11 14:21	08/16/11 19:40	75-34-3	
1,2-Dichloroethane	ND	mg/kg	6.2	1.6	50	08/12/11 14:21	08/16/11 19:40	107-06-2	
1,1-Dichloroethene	ND	mg/kg	6.2	3.1	50	08/12/11 14:21	08/16/11 19:40	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	6.2	2.1	50	08/12/11 14:21	08/16/11 19:40	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	6.2	1.7	50	08/12/11 14:21	08/16/11 19:40	156-60-5	
Dichlorofluoromethane	ND	mg/kg	61.6	3.2	50	08/12/11 14:21	08/16/11 19:40	75-43-4	
1,2-Dichloropropane	ND	mg/kg	6.2	2.7	50	08/12/11 14:21	08/16/11 19:40	78-87-5	
1,3-Dichloropropane	ND	mg/kg	6.2	1.0	50	08/12/11 14:21	08/16/11 19:40	142-28-9	
2,2-Dichloropropane	ND	mg/kg	24.6	2.5	50	08/12/11 14:21	08/16/11 19:40	594-20-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-10 **Lab ID: 10166204009** Collected: 08/09/11 12:15 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloropropene	ND	mg/kg	6.2	1.4	50	08/12/11 14:21	08/16/11 19:40	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	6.2	1.1	50	08/12/11 14:21	08/16/11 19:40	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	6.2	1.1	50	08/12/11 14:21	08/16/11 19:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	24.6	4.1	50	08/12/11 14:21	08/16/11 19:40	60-29-7	
Ethylbenzene	ND	mg/kg	6.2	0.34	50	08/12/11 14:21	08/16/11 19:40	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	30.8	0.70	50	08/12/11 14:21	08/16/11 19:40	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	6.2	0.78	50	08/12/11 14:21	08/16/11 19:40	98-82-8	
p-Isopropyltoluene	ND	mg/kg	6.2	1.1	50	08/12/11 14:21	08/16/11 19:40	99-87-6	
Methylene Chloride	ND	mg/kg	24.6	12.3	50	08/12/11 14:21	08/16/11 19:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	61.6	30.8	50	08/12/11 14:21	08/16/11 19:40	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	6.2	2.1	50	08/12/11 14:21	08/16/11 19:40	1634-04-4	
Naphthalene	**673**	mg/kg	24.6	1.1	50	08/12/11 14:21	08/16/11 19:40	91-20-3	
n-Propylbenzene	ND	mg/kg	6.2	0.49	50	08/12/11 14:21	08/16/11 19:40	103-65-1	
Styrene	ND	mg/kg	6.2	0.78	50	08/12/11 14:21	08/16/11 19:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	6.2	1.5	50	08/12/11 14:21	08/16/11 19:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	6.2	1.5	50	08/12/11 14:21	08/16/11 19:40	79-34-5	
Tetrachloroethene	ND	mg/kg	6.2	1.6	50	08/12/11 14:21	08/16/11 19:40	127-18-4	
Tetrahydrofuran	ND	mg/kg	246	18.4	50	08/12/11 14:21	08/16/11 19:40	109-99-9	
Toluene	ND	mg/kg	6.2	0.93	50	08/12/11 14:21	08/16/11 19:40	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	6.2	1.7	50	08/12/11 14:21	08/16/11 19:40	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	6.2	1.4	50	08/12/11 14:21	08/16/11 19:40	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	6.2	0.80	50	08/12/11 14:21	08/16/11 19:40	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	6.2	2.6	50	08/12/11 14:21	08/16/11 19:40	79-00-5	
Trichloroethene	ND	mg/kg	6.2	2.0	50	08/12/11 14:21	08/16/11 19:40	79-01-6	
Trichlorofluoromethane	ND	mg/kg	24.6	3.0	50	08/12/11 14:21	08/16/11 19:40	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	24.6	2.0	50	08/12/11 14:21	08/16/11 19:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	6.2	2.5	50	08/12/11 14:21	08/16/11 19:40	76-13-1	
1,2,4-Trimethylbenzene	**8.9**	mg/kg	6.2	0.91	50	08/12/11 14:21	08/16/11 19:40	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	6.2	0.82	50	08/12/11 14:21	08/16/11 19:40	108-67-8	
Vinyl chloride	ND	mg/kg	2.5	1.2	50	08/12/11 14:21	08/16/11 19:40	75-01-4	
Xylene (Total)	ND	mg/kg	18.5	3.3	50	08/12/11 14:21	08/16/11 19:40	1330-20-7	
Dibromofluoromethane (S)	107	%	30-150		50	08/12/11 14:21	08/16/11 19:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	30-150		50	08/12/11 14:21	08/16/11 19:40	17060-07-0	
Toluene-d8 (S)	112	%	30-150		50	08/12/11 14:21	08/16/11 19:40	2037-26-5	
4-Bromofluorobenzene (S)	121	%	30-150		50	08/12/11 14:21	08/16/11 19:40	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.19	0.091	1		08/17/11 19:24	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-9.5W **Lab ID: 10166204010** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**19.1**	mg/L	0.56	0.28	5	08/12/11 07:17	08/17/11 16:56		
n-Triacontane (S)	100	%	50-150		5	08/12/11 07:17	08/17/11 16:56		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	**6260**	ug/L	500	65.0	5		08/15/11 21:40		
a,a,a-Trifluorotoluene (S)	102	%	80-125		5		08/15/11 21:40	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/15/11 11:59	08/15/11 16:31	7440-38-2	
Barium	**86.5**	ug/L	10.0	0.37	1	08/15/11 11:59	08/15/11 16:31	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/15/11 11:59	08/15/11 16:31	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/15/11 11:59	08/15/11 16:31	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/15/11 11:59	08/15/11 16:31	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/15/11 11:59	08/15/11 16:31	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/15/11 11:59	08/15/11 16:31	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/15/11 11:47	08/16/11 07:59	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	111-44-4	
2-Chlorophenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	1090	166	100	08/16/11 14:17	08/18/11 23:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1090	134	100	08/16/11 14:17	08/18/11 23:42	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	108-60-1	
3&4-Methylphenol	ND	ug/L	2170	1090	100	08/16/11 14:17	08/18/11 23:42		
N-Nitroso-di-n-propylamine	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	621-64-7	
Hexachloroethane	ND	ug/L	1090	164	100	08/16/11 14:17	08/18/11 23:42	67-72-1	
Nitrobenzene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	98-95-3	
Isophorone	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	78-59-1	
2-Nitrophenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	88-75-5	
2,4-Dimethylphenol	ND	ug/L	1090	460	100	08/16/11 14:17	08/18/11 23:42	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	111-91-1	
2,4-Dichlorophenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	120-82-1	
Naphthalene	**9530**	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	91-20-3	
4-Chloroaniline	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	59-50-7	
2-Methylnaphthalene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-9.5W **Lab ID: 10166204010** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	91-58-7	
2-Nitroaniline	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	88-74-4	
Dimethylphthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	131-11-3	
Acenaphthylene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	606-20-2	
3-Nitroaniline	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	99-09-2	
Acenaphthene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	83-32-9	
2,4-Dinitrophenol	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	51-28-5	
4-Nitrophenol	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	100-02-7	
Dibenzofuran	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	121-14-2	
Diethylphthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	7005-72-3	
Fluorene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	86-73-7	
4-Nitroaniline	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	5430	2720	100	08/16/11 14:17	08/18/11 23:42	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	101-55-3	
Hexachlorobenzene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	118-74-1	
Pentachlorophenol	ND	ug/L	2500	1250	100	08/16/11 14:17	08/18/11 23:42	87-86-5	
Phenanthrene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	85-01-8	
Anthracene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	120-12-7	
Di-n-butylphthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	84-74-2	
Fluoranthene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	206-44-0	
Pyrene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	129-00-0	
Butylbenzylphthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	2170	1090	100	08/16/11 14:17	08/18/11 23:42	91-94-1	
Benzo(a)anthracene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	56-55-3	
Chrysene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	117-81-7	
Di-n-octylphthalate	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	207-08-9	
Benzo(a)pyrene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	2170	1090	100	08/16/11 14:17	08/18/11 23:42	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	1090	335	100	08/16/11 14:17	08/18/11 23:42	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	122-66-7	
Carbazole	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	86-74-8	
1-Methylnaphthalene	ND	ug/L	1090	543	100	08/16/11 14:17	08/18/11 23:42	90-12-0	
Nitrobenzene-d5 (S)	0	%	30-150		100	08/16/11 14:17	08/18/11 23:42	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	30-150		100	08/16/11 14:17	08/18/11 23:42	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		100	08/16/11 14:17	08/18/11 23:42	1718-51-0	S4
Phenol-d6 (S)	0	%	30-150		100	08/16/11 14:17	08/18/11 23:42	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-148		100	08/16/11 14:17	08/18/11 23:42	367-12-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-9.5W **Lab ID: 10166204010** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	0	%	30-150		100	08/16/11 14:17	08/18/11 23:42	118-79-6	S4
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		08/13/11 07:13	67-64-1	CL
Allyl chloride	ND	ug/L	200	25.5	50		08/13/11 07:13	107-05-1	
Benzene	**111**	ug/L	50.0	18.0	50		08/13/11 07:13	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		08/13/11 07:13	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		08/13/11 07:13	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		08/13/11 07:13	75-27-4	
Bromoform	ND	ug/L	200	100	50		08/13/11 07:13	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		08/13/11 07:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	100	50		08/13/11 07:13	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		08/13/11 07:13	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		08/13/11 07:13	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		08/13/11 07:13	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		08/13/11 07:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		08/13/11 07:13	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		08/13/11 07:13	75-00-3	
Chloroform	ND	ug/L	50.0	17.0	50		08/13/11 07:13	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		08/13/11 07:13	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		08/13/11 07:13	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		08/13/11 07:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		08/13/11 07:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		08/13/11 07:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		08/13/11 07:13	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		08/13/11 07:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		08/13/11 07:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		08/13/11 07:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		08/13/11 07:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		08/13/11 07:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		08/13/11 07:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		08/13/11 07:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		08/13/11 07:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		08/13/11 07:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		08/13/11 07:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		08/13/11 07:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		08/13/11 07:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		08/13/11 07:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		08/13/11 07:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		08/13/11 07:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		08/13/11 07:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		08/13/11 07:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		08/13/11 07:13	60-29-7	
Ethylbenzene	**67.5**	ug/L	50.0	19.0	50		08/13/11 07:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		08/13/11 07:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		08/13/11 07:13	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-09-9.5W **Lab ID: 10166204010** Collected: 08/09/11 12:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		08/13/11 07:13	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		08/13/11 07:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		08/13/11 07:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		08/13/11 07:13	1634-04-4	
Naphthalene	**9030**	ug/L	200	28.5	50		08/13/11 07:13	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		08/13/11 07:13	103-65-1	
Styrene	ND	ug/L	50.0	17.5	50		08/13/11 07:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		08/13/11 07:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		08/13/11 07:13	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		08/13/11 07:13	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		08/13/11 07:13	109-99-9	
Toluene	ND	ug/L	50.0	19.5	50		08/13/11 07:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		08/13/11 07:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		08/13/11 07:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		08/13/11 07:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		08/13/11 07:13	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		08/13/11 07:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		08/13/11 07:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		08/13/11 07:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		08/13/11 07:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	13.0	50		08/13/11 07:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	19.0	50		08/13/11 07:13	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		08/13/11 07:13	75-01-4	
Xylene (Total)	**176**	ug/L	150	56.0	50		08/13/11 07:13	1330-20-7	
m&p-Xylene	**116**	ug/L	100	33.0	50		08/13/11 07:13	179601-23-1	
o-Xylene	**59.3**	ug/L	50.0	23.0	50		08/13/11 07:13	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		50		08/13/11 07:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125		50		08/13/11 07:13	17060-07-0	
Toluene-d8 (S)	99	%	75-125		50		08/13/11 07:13	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		50		08/13/11 07:13	460-00-4	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	5.0	1		08/16/11 14:52	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-7 **Lab ID: 10166204011** Collected: 08/09/11 13:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	0.58	0.29	1	08/12/11 13:50	08/15/11 17:50	7440-38-2	
Barium	**64.7**	mg/kg	0.58	0.023	1	08/12/11 13:50	08/15/11 17:50	7440-39-3	
Cadmium	**0.14**	mg/kg	0.058	0.012	1	08/12/11 13:50	08/15/11 17:50	7440-43-9	
Chromium	**12.5**	mg/kg	0.58	0.081	1	08/12/11 13:50	08/15/11 17:50	7440-47-3	
Lead	**10.3**	mg/kg	0.35	0.058	1	08/12/11 13:50	08/15/11 17:50	7439-92-1	
Selenium	ND	mg/kg	0.87	0.15	1	08/12/11 13:50	08/15/11 17:50	7782-49-2	
Silver	ND	mg/kg	0.58	0.035	1	08/12/11 13:50	08/15/11 17:50	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.023	0.0019	1	08/15/11 09:10	08/15/11 15:34	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**20.0**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	83-32-9	
Acenaphthylene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	208-96-8	
Anthracene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	85-68-7	
Carbazole	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	59-50-7	
4-Chloroaniline	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.41	0.072	1	08/19/11 12:46	08/20/11 21:53	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.41	0.074	1	08/19/11 12:46	08/20/11 21:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.41	0.071	1	08/19/11 12:46	08/20/11 21:53	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	91-58-7	
2-Chlorophenol	ND	mg/kg	0.41	0.073	1	08/19/11 12:46	08/20/11 21:53	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	7005-72-3	
Chrysene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	53-70-3	
Dibenzofuran	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.41	0.076	1	08/19/11 12:46	08/20/11 21:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.41	0.071	1	08/19/11 12:46	08/20/11 21:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.41	0.073	1	08/19/11 12:46	08/20/11 21:53	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.83	0.42	1	08/19/11 12:46	08/20/11 21:53	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	120-83-2	
Diethylphthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	105-67-9	
Dimethylphthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	131-11-3	L2

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-7 **Lab ID: 10166204011** Collected: 08/09/11 13:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	117-81-7	
Fluoranthene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	206-44-0	
Fluorene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.41	0.080	1	08/19/11 12:46	08/20/11 21:53	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	118-74-1	
Hexachloroethane	ND	mg/kg	0.41	0.075	1	08/19/11 12:46	08/20/11 21:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	193-39-5	
Isophorone	ND	mg/kg	0.41	0.071	1	08/19/11 12:46	08/20/11 21:53	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.41	0.062	1	08/19/11 12:46	08/20/11 21:53	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.82	0.41	1	08/19/11 12:46	08/20/11 21:53		
Naphthalene	ND	mg/kg	0.41	0.072	1	08/19/11 12:46	08/20/11 21:53	91-20-3	
2-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	88-74-4	
3-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	99-09-2	
4-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	100-01-6	
Nitrobenzene	ND	mg/kg	0.41	0.080	1	08/19/11 12:46	08/20/11 21:53	98-95-3	
2-Nitrophenol	ND	mg/kg	0.41	0.075	1	08/19/11 12:46	08/20/11 21:53	88-75-5	
4-Nitrophenol	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.41	0.069	1	08/19/11 12:46	08/20/11 21:53	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.41	0.068	1	08/19/11 12:46	08/20/11 21:53	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	86-30-6	
Pentachlorophenol	ND	mg/kg	0.83	0.42	1	08/19/11 12:46	08/20/11 21:53	87-86-5	
Phenanthrene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	85-01-8	
Phenol	ND	mg/kg	0.41	0.072	1	08/19/11 12:46	08/20/11 21:53	108-95-2	
Pyrene	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.41	0.074	1	08/19/11 12:46	08/20/11 21:53	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.1	1.1	1	08/19/11 12:46	08/20/11 21:53	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.41	0.21	1	08/19/11 12:46	08/20/11 21:53	88-06-2	
Nitrobenzene-d5 (S)	76	%	50-120		1	08/19/11 12:46	08/20/11 21:53	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-150		1	08/19/11 12:46	08/20/11 21:53	321-60-8	
Terphenyl-d14 (S)	96	%	30-150		1	08/19/11 12:46	08/20/11 21:53	1718-51-0	
Phenol-d6 (S)	76	%	30-149		1	08/19/11 12:46	08/20/11 21:53	13127-88-3	
2-Fluorophenol (S)	75	%	30-147		1	08/19/11 12:46	08/20/11 21:53	367-12-4	
2,4,6-Tribromophenol (S)	91	%	30-150		1	08/19/11 12:46	08/20/11 21:53	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.63	0.31	1	08/12/11 14:21	08/14/11 19:54	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-7 **Lab ID: 10166204011** Collected: 08/09/11 13:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.25	0.082	1	08/12/11 14:21	08/14/11 19:54	107-05-1	
Benzene	ND	mg/kg	0.025	0.012	1	08/12/11 14:21	08/14/11 19:54	71-43-2	
Bromobenzene	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/14/11 19:54	108-86-1	
Bromochloromethane	ND	mg/kg	0.063	0.029	1	08/12/11 14:21	08/14/11 19:54	74-97-5	
Bromodichloromethane	ND	mg/kg	0.063	0.024	1	08/12/11 14:21	08/14/11 19:54	75-27-4	
Bromoform	ND	mg/kg	0.25	0.062	1	08/12/11 14:21	08/14/11 19:54	75-25-2	
Bromomethane	ND	mg/kg	0.63	0.095	1	08/12/11 14:21	08/14/11 19:54	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.63	0.31	1	08/12/11 14:21	08/14/11 19:54	78-93-3	
n-Butylbenzene	ND	mg/kg	0.063	0.0059	1	08/12/11 14:21	08/14/11 19:54	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.063	0.0067	1	08/12/11 14:21	08/14/11 19:54	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.063	0.0079	1	08/12/11 14:21	08/14/11 19:54	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/14/11 19:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/14/11 19:54	108-90-7	
Chloroethane	ND	mg/kg	0.63	0.15	1	08/12/11 14:21	08/14/11 19:54	75-00-3	
Chloroform	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/14/11 19:54	67-66-3	
Chloromethane	ND	mg/kg	0.25	0.042	1	08/12/11 14:21	08/14/11 19:54	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.063	0.0086	1	08/12/11 14:21	08/14/11 19:54	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.063	0.0085	1	08/12/11 14:21	08/14/11 19:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.25	0.047	1	08/12/11 14:21	08/14/11 19:54	96-12-8	
Dibromochloromethane	ND	mg/kg	0.063	0.013	1	08/12/11 14:21	08/14/11 19:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/14/11 19:54	106-93-4	
Dibromomethane	ND	mg/kg	0.063	0.025	1	08/12/11 14:21	08/14/11 19:54	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/14/11 19:54	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.063	0.0080	1	08/12/11 14:21	08/14/11 19:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/14/11 19:54	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/14/11 19:54	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/14/11 19:54	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.063	0.016	1	08/12/11 14:21	08/14/11 19:54	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.063	0.032	1	08/12/11 14:21	08/14/11 19:54	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/14/11 19:54	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.063	0.018	1	08/12/11 14:21	08/14/11 19:54	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.63	0.033	1	08/12/11 14:21	08/14/11 19:54	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.063	0.027	1	08/12/11 14:21	08/14/11 19:54	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.063	0.010	1	08/12/11 14:21	08/14/11 19:54	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.25	0.025	1	08/12/11 14:21	08/14/11 19:54	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/14/11 19:54	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/14/11 19:54	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.063	0.012	1	08/12/11 14:21	08/14/11 19:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.25	0.042	1	08/12/11 14:21	08/14/11 19:54	60-29-7	
Ethylbenzene	ND	mg/kg	0.063	0.0035	1	08/12/11 14:21	08/14/11 19:54	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.31	0.0071	1	08/12/11 14:21	08/14/11 19:54	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.063	0.0079	1	08/12/11 14:21	08/14/11 19:54	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/14/11 19:54	99-87-6	
Methylene Chloride	ND	mg/kg	0.25	0.13	1	08/12/11 14:21	08/14/11 19:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.63	0.31	1	08/12/11 14:21	08/14/11 19:54	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-7 **Lab ID: 10166204011** Collected: 08/09/11 13:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/14/11 19:54	1634-04-4	
Naphthalene	ND	mg/kg	0.25	0.011	1	08/12/11 14:21	08/14/11 19:54	91-20-3	
n-Propylbenzene	ND	mg/kg	0.063	0.0050	1	08/12/11 14:21	08/14/11 19:54	103-65-1	
Styrene	ND	mg/kg	0.063	0.0079	1	08/12/11 14:21	08/14/11 19:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/14/11 19:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/14/11 19:54	79-34-5	
Tetrachloroethene	ND	mg/kg	0.063	0.017	1	08/12/11 14:21	08/14/11 19:54	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.5	0.19	1	08/12/11 14:21	08/14/11 19:54	109-99-9	
Toluene	ND	mg/kg	0.063	0.0095	1	08/12/11 14:21	08/14/11 19:54	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.063	0.018	1	08/12/11 14:21	08/14/11 19:54	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/14/11 19:54	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.063	0.0081	1	08/12/11 14:21	08/14/11 19:54	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.063	0.027	1	08/12/11 14:21	08/14/11 19:54	79-00-5	
Trichloroethene	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/14/11 19:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.25	0.031	1	08/12/11 14:21	08/14/11 19:54	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.25	0.020	1	08/12/11 14:21	08/14/11 19:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.063	0.025	1	08/12/11 14:21	08/14/11 19:54	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.063	0.0092	1	08/12/11 14:21	08/14/11 19:54	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.063	0.0083	1	08/12/11 14:21	08/14/11 19:54	108-67-8	
Vinyl chloride	ND	mg/kg	0.025	0.012	1	08/12/11 14:21	08/14/11 19:54	75-01-4	
Xylene (Total)	ND	mg/kg	0.19	0.034	1	08/12/11 14:21	08/14/11 19:54	1330-20-7	
Dibromofluoromethane (S)	126	%	30-150		1	08/12/11 14:21	08/14/11 19:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	30-150		1	08/12/11 14:21	08/14/11 19:54	17060-07-0	
Toluene-d8 (S)	115	%	30-150		1	08/12/11 14:21	08/14/11 19:54	2037-26-5	
4-Bromofluorobenzene (S)	120	%	30-150		1	08/12/11 14:21	08/14/11 19:54	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204012** Collected: 08/09/11 13:15 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 19:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/16/11 14:17	08/18/11 19:16	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 19:16		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 19:16	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/16/11 14:17	08/18/11 19:16	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	120-82-1	
Naphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	95-95-4	
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	99-09-2	
Acenaphthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 19:16	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/16/11 14:17	08/18/11 19:16	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204012** Collected: 08/09/11 13:15 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 19:16	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 19:16	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/16/11 14:17	08/18/11 19:16	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	122-66-7	
Carbazole	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 19:16	90-12-0	
Nitrobenzene-d5 (S)	81	%	30-150		1	08/16/11 14:17	08/18/11 19:16	4165-60-0	
2-Fluorobiphenyl (S)	83	%	30-150		1	08/16/11 14:17	08/18/11 19:16	321-60-8	
Terphenyl-d14 (S)	93	%	30-150		1	08/16/11 14:17	08/18/11 19:16	1718-51-0	
Phenol-d6 (S)	78	%	30-150		1	08/16/11 14:17	08/18/11 19:16	13127-88-3	
2-Fluorophenol (S)	71	%	30-148		1	08/16/11 14:17	08/18/11 19:16	367-12-4	
2,4,6-Tribromophenol (S)	96	%	30-150		1	08/16/11 14:17	08/18/11 19:16	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/15/11 23:47	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/15/11 23:47	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/15/11 23:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/15/11 23:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/15/11 23:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/15/11 23:47	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/15/11 23:47	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/15/11 23:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/15/11 23:47	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 23:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/15/11 23:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/15/11 23:47	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/15/11 23:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/15/11 23:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/15/11 23:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/15/11 23:47	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/15/11 23:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/15/11 23:47	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204012** Collected: 08/09/11 13:15 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/15/11 23:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/15/11 23:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/15/11 23:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/15/11 23:47	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/15/11 23:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/15/11 23:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/15/11 23:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/15/11 23:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/15/11 23:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/15/11 23:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/15/11 23:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/15/11 23:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/15/11 23:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/15/11 23:47	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/15/11 23:47	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/15/11 23:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/15/11 23:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/15/11 23:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/15/11 23:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/15/11 23:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/15/11 23:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/15/11 23:47	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 23:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/15/11 23:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/15/11 23:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/15/11 23:47	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/15/11 23:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/15/11 23:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/15/11 23:47	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/15/11 23:47	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/15/11 23:47	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/15/11 23:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/15/11 23:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/15/11 23:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/15/11 23:47	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/15/11 23:47	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/15/11 23:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/15/11 23:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/15/11 23:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/15/11 23:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/15/11 23:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/15/11 23:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/15/11 23:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/15/11 23:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/15/11 23:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/15/11 23:47	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204012** Collected: 08/09/11 13:15 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 23:47	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/15/11 23:47	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/15/11 23:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/15/11 23:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/15/11 23:47	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/15/11 23:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/15/11 23:47	17060-07-0	
Toluene-d8 (S)	98	%	75-125		1		08/15/11 23:47	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125		1		08/15/11 23:47	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-4 **Lab ID: 10166204013** Collected: 08/09/11 13:50 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.7**	mg/kg	0.38	0.19	1	08/12/11 13:50	08/15/11 17:56	7440-38-2	
Barium	**40.2**	mg/kg	0.38	0.015	1	08/12/11 13:50	08/15/11 17:56	7440-39-3	
Cadmium	**0.17**	mg/kg	0.038	0.0077	1	08/12/11 13:50	08/15/11 17:56	7440-43-9	
Chromium	**6.8**	mg/kg	0.38	0.054	1	08/12/11 13:50	08/15/11 17:56	7440-47-3	
Lead	**35.5**	mg/kg	0.23	0.038	1	08/12/11 13:50	08/15/11 17:56	7439-92-1	
Selenium	ND	mg/kg	0.58	0.10	1	08/12/11 13:50	08/15/11 17:56	7782-49-2	
Silver	ND	mg/kg	0.38	0.023	1	08/12/11 13:50	08/15/11 17:56	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.034**	mg/kg	0.021	0.0017	1	08/15/11 09:10	08/15/11 15:36	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.4**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**0.53**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	83-32-9	
Acenaphthylene	**0.37**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	208-96-8	
Anthracene	**2.9**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	120-12-7	
Benzo(a)anthracene	**4.8**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	56-55-3	
Benzo(a)pyrene	**5.7**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	50-32-8	
Benzo(b)fluoranthene	**6.8**	mg/kg	1.8	0.90	5	08/19/11 12:46	08/22/11 11:12	205-99-2	
Benzo(g,h,i)perylene	**3.9**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	191-24-2	
Benzo(k)fluoranthene	**2.4**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	85-68-7	
Carbazole	**0.88**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 23:08	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 23:08	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.063	1	08/19/11 12:46	08/20/11 23:08	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 23:08	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	7005-72-3	
Chrysene	**9.0**	mg/kg	1.8	0.90	5	08/19/11 12:46	08/22/11 11:12	218-01-9	
Dibenz(a,h)anthracene	**1.1**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/19/11 12:46	08/20/11 23:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 23:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 23:08	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.73	0.37	1	08/19/11 12:46	08/20/11 23:08	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	131-11-3	L2

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-4 **Lab ID: 10166204013** Collected: 08/09/11 13:50 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	117-81-7	
Fluoranthene	**7.2**	mg/kg	1.8	0.90	5	08/19/11 12:46	08/22/11 11:12	206-44-0	
Fluorene	**0.50**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/19/11 12:46	08/20/11 23:08	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	118-74-1	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 23:08	67-72-1	
Indeno(1,2,3-cd)pyrene	**2.9**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	193-39-5	
Isophorone	ND	mg/kg	0.36	0.062	1	08/19/11 12:46	08/20/11 23:08	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	90-12-0	
2-Methylnaphthalene	**0.40**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/19/11 12:46	08/20/11 23:08	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.72	0.36	1	08/19/11 12:46	08/20/11 23:08		
Naphthalene	**0.58**	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 23:08	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.071	1	08/19/11 12:46	08/20/11 23:08	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/19/11 12:46	08/20/11 23:08	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.061	1	08/19/11 12:46	08/20/11 23:08	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.060	1	08/19/11 12:46	08/20/11 23:08	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	86-30-6	
Pentachlorophenol	ND	mg/kg	0.73	0.37	1	08/19/11 12:46	08/20/11 23:08	87-86-5	
Phenanthrene	**4.2**	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	85-01-8	
Phenol	ND	mg/kg	0.36	0.064	1	08/19/11 12:46	08/20/11 23:08	108-95-2	
Pyrene	**9.0**	mg/kg	1.8	0.90	5	08/19/11 12:46	08/22/11 11:12	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/19/11 12:46	08/20/11 23:08	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.93	1	08/19/11 12:46	08/20/11 23:08	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/19/11 12:46	08/20/11 23:08	88-06-2	
Nitrobenzene-d5 (S)	76	%	50-120		1	08/19/11 12:46	08/20/11 23:08	4165-60-0	
2-Fluorobiphenyl (S)	85	%	30-150		1	08/19/11 12:46	08/20/11 23:08	321-60-8	
Terphenyl-d14 (S)	78	%	30-150		1	08/19/11 12:46	08/20/11 23:08	1718-51-0	
Phenol-d6 (S)	75	%	30-149		1	08/19/11 12:46	08/20/11 23:08	13127-88-3	
2-Fluorophenol (S)	73	%	30-147		1	08/19/11 12:46	08/20/11 23:08	367-12-4	
2,4,6-Tribromophenol (S)	86	%	30-150		1	08/19/11 12:46	08/20/11 23:08	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.55	0.28	1	08/12/11 14:21	08/14/11 20:15	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-4 **Lab ID: 10166204013** Collected: 08/09/11 13:50 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.22	0.073	1	08/12/11 14:21	08/14/11 20:15	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/12/11 14:21	08/14/11 20:15	71-43-2	
Bromobenzene	ND	mg/kg	0.055	0.017	1	08/12/11 14:21	08/14/11 20:15	108-86-1	
Bromochloromethane	ND	mg/kg	0.055	0.025	1	08/12/11 14:21	08/14/11 20:15	74-97-5	
Bromodichloromethane	ND	mg/kg	0.055	0.022	1	08/12/11 14:21	08/14/11 20:15	75-27-4	
Bromoform	ND	mg/kg	0.22	0.055	1	08/12/11 14:21	08/14/11 20:15	75-25-2	
Bromomethane	ND	mg/kg	0.55	0.084	1	08/12/11 14:21	08/14/11 20:15	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.55	0.28	1	08/12/11 14:21	08/14/11 20:15	78-93-3	
n-Butylbenzene	ND	mg/kg	0.055	0.0053	1	08/12/11 14:21	08/14/11 20:15	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.055	0.0059	1	08/12/11 14:21	08/14/11 20:15	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.055	0.0070	1	08/12/11 14:21	08/14/11 20:15	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.055	0.013	1	08/12/11 14:21	08/14/11 20:15	56-23-5	
Chlorobenzene	ND	mg/kg	0.055	0.013	1	08/12/11 14:21	08/14/11 20:15	108-90-7	
Chloroethane	ND	mg/kg	0.55	0.13	1	08/12/11 14:21	08/14/11 20:15	75-00-3	
Chloroform	ND	mg/kg	0.055	0.012	1	08/12/11 14:21	08/14/11 20:15	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.037	1	08/12/11 14:21	08/14/11 20:15	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.055	0.0076	1	08/12/11 14:21	08/14/11 20:15	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/12/11 14:21	08/14/11 20:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.042	1	08/12/11 14:21	08/14/11 20:15	96-12-8	
Dibromochloromethane	ND	mg/kg	0.055	0.012	1	08/12/11 14:21	08/14/11 20:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.055	0.017	1	08/12/11 14:21	08/14/11 20:15	106-93-4	
Dibromomethane	ND	mg/kg	0.055	0.022	1	08/12/11 14:21	08/14/11 20:15	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.055	0.017	1	08/12/11 14:21	08/14/11 20:15	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.055	0.0071	1	08/12/11 14:21	08/14/11 20:15	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.055	0.0099	1	08/12/11 14:21	08/14/11 20:15	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.055	0.017	1	08/12/11 14:21	08/14/11 20:15	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.055	0.019	1	08/12/11 14:21	08/14/11 20:15	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.055	0.014	1	08/12/11 14:21	08/14/11 20:15	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.055	0.028	1	08/12/11 14:21	08/14/11 20:15	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.055	0.019	1	08/12/11 14:21	08/14/11 20:15	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.055	0.016	1	08/12/11 14:21	08/14/11 20:15	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.55	0.029	1	08/12/11 14:21	08/14/11 20:15	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.055	0.024	1	08/12/11 14:21	08/14/11 20:15	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.055	0.0092	1	08/12/11 14:21	08/14/11 20:15	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/12/11 14:21	08/14/11 20:15	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.055	0.012	1	08/12/11 14:21	08/14/11 20:15	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.055	0.0097	1	08/12/11 14:21	08/14/11 20:15	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.055	0.010	1	08/12/11 14:21	08/14/11 20:15	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.037	1	08/12/11 14:21	08/14/11 20:15	60-29-7	
Ethylbenzene	ND	mg/kg	0.055	0.0031	1	08/12/11 14:21	08/14/11 20:15	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0063	1	08/12/11 14:21	08/14/11 20:15	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.055	0.0070	1	08/12/11 14:21	08/14/11 20:15	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.055	0.0096	1	08/12/11 14:21	08/14/11 20:15	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/12/11 14:21	08/14/11 20:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.55	0.28	1	08/12/11 14:21	08/14/11 20:15	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-4 **Lab ID: 10166204013** Collected: 08/09/11 13:50 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.055	0.019	1	08/12/11 14:21	08/14/11 20:15	1634-04-4	
Naphthalene	**0.55**	mg/kg	0.22	0.0095	1	08/12/11 14:21	08/14/11 20:15	91-20-3	
n-Propylbenzene	ND	mg/kg	0.055	0.0044	1	08/12/11 14:21	08/14/11 20:15	103-65-1	
Styrene	ND	mg/kg	0.055	0.0070	1	08/12/11 14:21	08/14/11 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.055	0.014	1	08/12/11 14:21	08/14/11 20:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/12/11 14:21	08/14/11 20:15	79-34-5	
Tetrachloroethene	ND	mg/kg	0.055	0.015	1	08/12/11 14:21	08/14/11 20:15	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.17	1	08/12/11 14:21	08/14/11 20:15	109-99-9	
Toluene	ND	mg/kg	0.055	0.0084	1	08/12/11 14:21	08/14/11 20:15	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.055	0.016	1	08/12/11 14:21	08/14/11 20:15	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.055	0.012	1	08/12/11 14:21	08/14/11 20:15	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.055	0.0072	1	08/12/11 14:21	08/14/11 20:15	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.055	0.024	1	08/12/11 14:21	08/14/11 20:15	79-00-5	
Trichloroethene	ND	mg/kg	0.055	0.018	1	08/12/11 14:21	08/14/11 20:15	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/12/11 14:21	08/14/11 20:15	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.018	1	08/12/11 14:21	08/14/11 20:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.055	0.022	1	08/12/11 14:21	08/14/11 20:15	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.055	0.0082	1	08/12/11 14:21	08/14/11 20:15	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.055	0.0074	1	08/12/11 14:21	08/14/11 20:15	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/12/11 14:21	08/14/11 20:15	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.030	1	08/12/11 14:21	08/14/11 20:15	1330-20-7	
Dibromofluoromethane (S)	114	%	30-150		1	08/12/11 14:21	08/14/11 20:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	30-150		1	08/12/11 14:21	08/14/11 20:15	17060-07-0	
Toluene-d8 (S)	104	%	30-150		1	08/12/11 14:21	08/14/11 20:15	2037-26-5	
4-Bromofluorobenzene (S)	108	%	30-150		1	08/12/11 14:21	08/14/11 20:15	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-7 **Lab ID: 10166204014** Collected: 08/09/11 14:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.7**	mg/kg	0.41	0.21	1	08/12/11 13:50	08/15/11 18:01	7440-38-2	
Barium	**27.2**	mg/kg	0.41	0.017	1	08/12/11 13:50	08/15/11 18:01	7440-39-3	
Cadmium	**0.33**	mg/kg	0.041	0.0083	1	08/12/11 13:50	08/15/11 18:01	7440-43-9	
Chromium	**6.7**	mg/kg	0.41	0.058	1	08/12/11 13:50	08/15/11 18:01	7440-47-3	
Lead	**63.1**	mg/kg	0.25	0.041	1	08/12/11 13:50	08/15/11 18:01	7439-92-1	
Selenium	**0.68**	mg/kg	0.62	0.11	1	08/12/11 13:50	08/15/11 18:01	7782-49-2	
Silver	ND	mg/kg	0.41	0.025	1	08/12/11 13:50	08/15/11 18:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.022**	mg/kg	0.020	0.0016	1	08/15/11 09:10	08/15/11 15:38	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**8.2**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	83-32-9	M1
Acenaphthylene	**0.45**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	208-96-8	
Anthracene	**0.68**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	120-12-7	M1
Benzo(a)anthracene	**1.6**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	56-55-3	M1
Benzo(a)pyrene	**2.0**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	50-32-8	M1
Benzo(b)fluoranthene	**2.6**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	205-99-2	M1
Benzo(g,h,i)perylene	**1.7**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	191-24-2	M1
Benzo(k)fluoranthene	**0.92**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	207-08-9	M1
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	86-74-8	M1
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/17/11 15:04	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/17/11 15:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/17/11 15:04	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/17/11 15:04	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	7005-72-3	
Chrysene	**2.0**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	218-01-9	M1
Dibenz(a,h)anthracene	**0.42**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	53-70-3	M1
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.066	1	08/16/11 09:44	08/17/11 15:04	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.061	1	08/16/11 09:44	08/17/11 15:04	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/17/11 15:04	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.73	0.36	1	08/16/11 09:44	08/17/11 15:04	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-7 **Lab ID: 10166204014** Collected: 08/09/11 14:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	534-52-1	M1
2,4-Dinitrophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	51-28-5	M1
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	117-81-7	
Fluoranthene	**3.1**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	206-44-0	M1
Fluorene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	86-73-7	M1
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/16/11 09:44	08/17/11 15:04	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	118-74-1	
Hexachloroethane	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/17/11 15:04	67-72-1	
Indeno(1,2,3-cd)pyrene	**1.3**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	193-39-5	M1
Isophorone	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/17/11 15:04	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	90-12-0	M1
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	91-57-6	M1
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.054	1	08/16/11 09:44	08/17/11 15:04	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.71	0.36	1	08/16/11 09:44	08/17/11 15:04		
Naphthalene	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/17/11 15:04	91-20-3	M1
2-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.070	1	08/16/11 09:44	08/17/11 15:04	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/17/11 15:04	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.060	1	08/16/11 09:44	08/17/11 15:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.059	1	08/16/11 09:44	08/17/11 15:04	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	86-30-6	
Pentachlorophenol	ND	mg/kg	0.73	0.36	1	08/16/11 09:44	08/17/11 15:04	87-86-5	
Phenanthrene	**1.8**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	85-01-8	M1
Phenol	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/17/11 15:04	108-95-2	
Pyrene	**2.7**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	129-00-0	M1
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.064	1	08/16/11 09:44	08/17/11 15:04	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/17/11 15:04	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/17/11 15:04	88-06-2	
Nitrobenzene-d5 (S)	70	%	50-120		1	08/16/11 09:44	08/17/11 15:04	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-150		1	08/16/11 09:44	08/17/11 15:04	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/17/11 15:04	1718-51-0	
Phenol-d6 (S)	66	%	30-149		1	08/16/11 09:44	08/17/11 15:04	13127-88-3	
2-Fluorophenol (S)	62	%	30-147		1	08/16/11 09:44	08/17/11 15:04	367-12-4	
2,4,6-Tribromophenol (S)	87	%	30-150		1	08/16/11 09:44	08/17/11 15:04	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	5.4	2.7	10	08/12/11 14:21	08/16/11 19:19	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-7 **Lab ID: 10166204014** Collected: 08/09/11 14:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	2.2	0.71	10	08/12/11 14:21	08/16/11 19:19	107-05-1	
Benzene	**0.64**	mg/kg	0.22	0.11	10	08/12/11 14:21	08/16/11 19:19	71-43-2	
Bromobenzene	ND	mg/kg	0.54	0.16	10	08/12/11 14:21	08/16/11 19:19	108-86-1	
Bromochloromethane	ND	mg/kg	0.54	0.25	10	08/12/11 14:21	08/16/11 19:19	74-97-5	
Bromodichloromethane	ND	mg/kg	0.54	0.21	10	08/12/11 14:21	08/16/11 19:19	75-27-4	
Bromoform	ND	mg/kg	2.2	0.54	10	08/12/11 14:21	08/16/11 19:19	75-25-2	
Bromomethane	ND	mg/kg	5.4	0.82	10	08/12/11 14:21	08/16/11 19:19	74-83-9	
2-Butanone (MEK)	ND	mg/kg	5.4	2.7	10	08/12/11 14:21	08/16/11 19:19	78-93-3	
n-Butylbenzene	ND	mg/kg	0.54	0.051	10	08/12/11 14:21	08/16/11 19:19	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.54	0.058	10	08/12/11 14:21	08/16/11 19:19	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.54	0.068	10	08/12/11 14:21	08/16/11 19:19	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.54	0.13	10	08/12/11 14:21	08/16/11 19:19	56-23-5	
Chlorobenzene	ND	mg/kg	0.54	0.12	10	08/12/11 14:21	08/16/11 19:19	108-90-7	
Chloroethane	ND	mg/kg	5.4	1.3	10	08/12/11 14:21	08/16/11 19:19	75-00-3	
Chloroform	ND	mg/kg	0.54	0.12	10	08/12/11 14:21	08/16/11 19:19	67-66-3	
Chloromethane	ND	mg/kg	2.2	0.36	10	08/12/11 14:21	08/16/11 19:19	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.54	0.074	10	08/12/11 14:21	08/16/11 19:19	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.54	0.073	10	08/12/11 14:21	08/16/11 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	2.2	0.41	10	08/12/11 14:21	08/16/11 19:19	96-12-8	
Dibromochloromethane	ND	mg/kg	0.54	0.12	10	08/12/11 14:21	08/16/11 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.54	0.17	10	08/12/11 14:21	08/16/11 19:19	106-93-4	
Dibromomethane	ND	mg/kg	0.54	0.21	10	08/12/11 14:21	08/16/11 19:19	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.54	0.17	10	08/12/11 14:21	08/16/11 19:19	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.54	0.069	10	08/12/11 14:21	08/16/11 19:19	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.54	0.097	10	08/12/11 14:21	08/16/11 19:19	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.54	0.16	10	08/12/11 14:21	08/16/11 19:19	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.54	0.18	10	08/12/11 14:21	08/16/11 19:19	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.54	0.14	10	08/12/11 14:21	08/16/11 19:19	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.54	0.27	10	08/12/11 14:21	08/16/11 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.54	0.18	10	08/12/11 14:21	08/16/11 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.54	0.15	10	08/12/11 14:21	08/16/11 19:19	156-60-5	
Dichlorofluoromethane	ND	mg/kg	5.4	0.28	10	08/12/11 14:21	08/16/11 19:19	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.54	0.24	10	08/12/11 14:21	08/16/11 19:19	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.54	0.090	10	08/12/11 14:21	08/16/11 19:19	142-28-9	
2,2-Dichloropropane	ND	mg/kg	2.2	0.22	10	08/12/11 14:21	08/16/11 19:19	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.54	0.12	10	08/12/11 14:21	08/16/11 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.54	0.094	10	08/12/11 14:21	08/16/11 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.54	0.10	10	08/12/11 14:21	08/16/11 19:19	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	2.2	0.36	10	08/12/11 14:21	08/16/11 19:19	60-29-7	
Ethylbenzene	**0.63**	mg/kg	0.54	0.030	10	08/12/11 14:21	08/16/11 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	2.7	0.061	10	08/12/11 14:21	08/16/11 19:19	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.54	0.068	10	08/12/11 14:21	08/16/11 19:19	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.54	0.093	10	08/12/11 14:21	08/16/11 19:19	99-87-6	
Methylene Chloride	ND	mg/kg	2.2	1.1	10	08/12/11 14:21	08/16/11 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	5.4	2.7	10	08/12/11 14:21	08/16/11 19:19	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-11-7 **Lab ID: 10166204014** Collected: 08/09/11 14:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.54	0.18	10	08/12/11 14:21	08/16/11 19:19	1634-04-4	
Naphthalene	**48.3**	mg/kg	2.2	0.092	10	08/12/11 14:21	08/16/11 19:19	91-20-3	
n-Propylbenzene	ND	mg/kg	0.54	0.043	10	08/12/11 14:21	08/16/11 19:19	103-65-1	
Styrene	ND	mg/kg	0.54	0.068	10	08/12/11 14:21	08/16/11 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.54	0.13	10	08/12/11 14:21	08/16/11 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.54	0.13	10	08/12/11 14:21	08/16/11 19:19	79-34-5	
Tetrachloroethene	ND	mg/kg	0.54	0.14	10	08/12/11 14:21	08/16/11 19:19	127-18-4	
Tetrahydrofuran	ND	mg/kg	21.6	1.6	10	08/12/11 14:21	08/16/11 19:19	109-99-9	
Toluene	**1.3**	mg/kg	0.54	0.081	10	08/12/11 14:21	08/16/11 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.54	0.15	10	08/12/11 14:21	08/16/11 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.54	0.12	10	08/12/11 14:21	08/16/11 19:19	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.54	0.070	10	08/12/11 14:21	08/16/11 19:19	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.54	0.23	10	08/12/11 14:21	08/16/11 19:19	79-00-5	
Trichloroethene	ND	mg/kg	0.54	0.18	10	08/12/11 14:21	08/16/11 19:19	79-01-6	
Trichlorofluoromethane	ND	mg/kg	2.2	0.27	10	08/12/11 14:21	08/16/11 19:19	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	2.2	0.17	10	08/12/11 14:21	08/16/11 19:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.54	0.21	10	08/12/11 14:21	08/16/11 19:19	76-13-1	
1,2,4-Trimethylbenzene	**1.1**	mg/kg	0.54	0.079	10	08/12/11 14:21	08/16/11 19:19	95-63-6	
1,3,5-Trimethylbenzene	**0.63**	mg/kg	0.54	0.072	10	08/12/11 14:21	08/16/11 19:19	108-67-8	
Vinyl chloride	ND	mg/kg	0.22	0.10	10	08/12/11 14:21	08/16/11 19:19	75-01-4	
Xylene (Total)	ND	mg/kg	1.6	0.29	10	08/12/11 14:21	08/16/11 19:19	1330-20-7	
Dibromofluoromethane (S)	79	%	30-150		10	08/12/11 14:21	08/16/11 19:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	77	%	30-150		10	08/12/11 14:21	08/16/11 19:19	17060-07-0	
Toluene-d8 (S)	81	%	30-150		10	08/12/11 14:21	08/16/11 19:19	2037-26-5	
4-Bromofluorobenzene (S)	83	%	30-150		10	08/12/11 14:21	08/16/11 19:19	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204015** Collected: 08/09/11 13:45 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	111-44-4	
2-Chlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 19:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.8	1.3	1	08/16/11 14:17	08/18/11 19:46	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	108-60-1	
3&4-Methylphenol	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 19:46		
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	621-64-7	
Hexachloroethane	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 19:46	67-72-1	
Nitrobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	98-95-3	
Isophorone	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	78-59-1	
2-Nitrophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.8	4.5	1	08/16/11 14:17	08/18/11 19:46	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	120-82-1	
Naphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	91-20-3	
4-Chloroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	91-58-7	
2-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	88-74-4	
Dimethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	131-11-3	
Acenaphthylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	606-20-2	
3-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	99-09-2	
Acenaphthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	51-28-5	
4-Nitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	100-02-7	
Dibenzofuran	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	121-14-2	
Diethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	7005-72-3	
Fluorene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	86-73-7	
4-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 19:46	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	101-55-3	
Hexachlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	118-74-1	
Pentachlorophenol	ND	ug/L	24.7	12.4	1	08/16/11 14:17	08/18/11 19:46	87-86-5	
Phenanthrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204015** Collected: 08/09/11 13:45 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	84-74-2	
Fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	206-44-0	
Pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 19:46	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	56-55-3	
Chrysene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 19:46	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.8	3.3	1	08/16/11 14:17	08/18/11 19:46	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	122-66-7	
Carbazole	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 19:46	90-12-0	
Nitrobenzene-d5 (S)	83	%	30-150		1	08/16/11 14:17	08/18/11 19:46	4165-60-0	
2-Fluorobiphenyl (S)	83	%	30-150		1	08/16/11 14:17	08/18/11 19:46	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/16/11 14:17	08/18/11 19:46	1718-51-0	
Phenol-d6 (S)	81	%	30-150		1	08/16/11 14:17	08/18/11 19:46	13127-88-3	
2-Fluorophenol (S)	74	%	30-148		1	08/16/11 14:17	08/18/11 19:46	367-12-4	
2,4,6-Tribromophenol (S)	96	%	30-150		1	08/16/11 14:17	08/18/11 19:46	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 00:03	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 00:03	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 00:03	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 00:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 00:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 00:03	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 00:03	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 00:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 00:03	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 00:03	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 00:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 00:03	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 00:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 00:03	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 00:03	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 00:03	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 00:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 00:03	95-49-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204015** Collected: 08/09/11 13:45 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 00:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 00:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 00:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 00:03	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 00:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 00:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 00:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 00:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 00:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 00:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 00:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 00:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 00:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 00:03	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 00:03	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 00:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 00:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 00:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 00:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 00:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 00:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 00:03	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 00:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 00:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 00:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 00:03	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 00:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 00:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 00:03	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/16/11 00:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 00:03	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 00:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 00:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 00:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 00:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 00:03	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 00:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 00:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 00:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 00:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 00:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 00:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 00:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 00:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 00:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 00:03	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-10-6.5W **Lab ID: 10166204015** Collected: 08/09/11 13:45 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 00:03	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 00:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 00:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 00:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 00:03	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/16/11 00:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/16/11 00:03	17060-07-0	
Toluene-d8 (S)	97	%	75-125		1		08/16/11 00:03	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/16/11 00:03	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-8 **Lab ID: 10166204016** Collected: 08/09/11 14:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.3**	mg/kg	0.49	0.25	1	08/12/11 13:50	08/15/11 18:15	7440-38-2	
Barium	**142**	mg/kg	0.49	0.020	1	08/12/11 13:50	08/15/11 18:15	7440-39-3	
Cadmium	**0.26**	mg/kg	0.049	0.0099	1	08/12/11 13:50	08/15/11 18:15	7440-43-9	
Chromium	**14.3**	mg/kg	0.49	0.069	1	08/12/11 13:50	08/15/11 18:15	7440-47-3	
Lead	**103**	mg/kg	0.30	0.049	1	08/12/11 13:50	08/15/11 18:15	7439-92-1	
Selenium	**1.3**	mg/kg	0.74	0.13	1	08/12/11 13:50	08/15/11 18:15	7782-49-2	
Silver	ND	mg/kg	0.49	0.030	1	08/12/11 13:50	08/15/11 18:15	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.039**	mg/kg	0.023	0.0019	1	08/15/11 09:10	08/15/11 15:40	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**19.5**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	208-96-8	
Anthracene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	50-32-8	
Benzo(b)fluoranthene	**0.45**	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	85-68-7	
Carbazole	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	59-50-7	
4-Chloroaniline	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/17/11 15:30	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/17/11 15:30	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.41	0.070	1	08/16/11 09:44	08/17/11 15:30	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	91-58-7	
2-Chlorophenol	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/17/11 15:30	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	7005-72-3	
Chrysene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	53-70-3	
Dibenzofuran	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.41	0.075	1	08/16/11 09:44	08/17/11 15:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.41	0.070	1	08/16/11 09:44	08/17/11 15:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/17/11 15:30	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.82	0.41	1	08/16/11 09:44	08/17/11 15:30	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	120-83-2	
Diethylphthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	105-67-9	
Dimethylphthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-8 **Lab ID: 10166204016** Collected: 08/09/11 14:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	117-81-7	
Fluoranthene	**0.66**	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	206-44-0	
Fluorene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.41	0.079	1	08/16/11 09:44	08/17/11 15:30	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	118-74-1	
Hexachloroethane	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/17/11 15:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	193-39-5	
Isophorone	ND	mg/kg	0.41	0.070	1	08/16/11 09:44	08/17/11 15:30	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.41	0.062	1	08/16/11 09:44	08/17/11 15:30	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.81	0.41	1	08/16/11 09:44	08/17/11 15:30		
Naphthalene	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/17/11 15:30	91-20-3	
2-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	88-74-4	
3-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	99-09-2	
4-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	100-01-6	
Nitrobenzene	ND	mg/kg	0.41	0.079	1	08/16/11 09:44	08/17/11 15:30	98-95-3	
2-Nitrophenol	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/17/11 15:30	88-75-5	
4-Nitrophenol	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.41	0.068	1	08/16/11 09:44	08/17/11 15:30	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.41	0.067	1	08/16/11 09:44	08/17/11 15:30	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	86-30-6	
Pentachlorophenol	ND	mg/kg	0.82	0.41	1	08/16/11 09:44	08/17/11 15:30	87-86-5	
Phenanthrene	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	85-01-8	
Phenol	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/17/11 15:30	108-95-2	
Pyrene	**0.49**	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/17/11 15:30	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.1	1.0	1	08/16/11 09:44	08/17/11 15:30	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.41	0.20	1	08/16/11 09:44	08/17/11 15:30	88-06-2	
Nitrobenzene-d5 (S)	62	%	50-120		1	08/16/11 09:44	08/17/11 15:30	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-150		1	08/16/11 09:44	08/17/11 15:30	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/17/11 15:30	1718-51-0	
Phenol-d6 (S)	58	%	30-149		1	08/16/11 09:44	08/17/11 15:30	13127-88-3	
2-Fluorophenol (S)	56	%	30-147		1	08/16/11 09:44	08/17/11 15:30	367-12-4	
2,4,6-Tribromophenol (S)	87	%	30-150		1	08/16/11 09:44	08/17/11 15:30	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.63	0.32	1	08/12/11 14:21	08/16/11 15:32	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-8 **Lab ID: 10166204016** Collected: 08/09/11 14:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.25	0.083	1	08/12/11 14:21	08/16/11 15:32	107-05-1	
Benzene	ND	mg/kg	0.025	0.013	1	08/12/11 14:21	08/16/11 15:32	71-43-2	
Bromobenzene	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/16/11 15:32	108-86-1	
Bromochloromethane	ND	mg/kg	0.063	0.029	1	08/12/11 14:21	08/16/11 15:32	74-97-5	
Bromodichloromethane	ND	mg/kg	0.063	0.025	1	08/12/11 14:21	08/16/11 15:32	75-27-4	
Bromoform	ND	mg/kg	0.25	0.063	1	08/12/11 14:21	08/16/11 15:32	75-25-2	
Bromomethane	ND	mg/kg	0.63	0.095	1	08/12/11 14:21	08/16/11 15:32	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.63	0.32	1	08/12/11 14:21	08/16/11 15:32	78-93-3	
n-Butylbenzene	ND	mg/kg	0.063	0.0060	1	08/12/11 14:21	08/16/11 15:32	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.063	0.0067	1	08/12/11 14:21	08/16/11 15:32	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.063	0.0080	1	08/12/11 14:21	08/16/11 15:32	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/16/11 15:32	56-23-5	
Chlorobenzene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/16/11 15:32	108-90-7	
Chloroethane	ND	mg/kg	0.63	0.15	1	08/12/11 14:21	08/16/11 15:32	75-00-3	
Chloroform	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/16/11 15:32	67-66-3	
Chloromethane	ND	mg/kg	0.25	0.042	1	08/12/11 14:21	08/16/11 15:32	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.063	0.0086	1	08/12/11 14:21	08/16/11 15:32	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.063	0.0085	1	08/12/11 14:21	08/16/11 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.25	0.047	1	08/12/11 14:21	08/16/11 15:32	96-12-8	
Dibromochloromethane	ND	mg/kg	0.063	0.013	1	08/12/11 14:21	08/16/11 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.063	0.020	1	08/12/11 14:21	08/16/11 15:32	106-93-4	
Dibromomethane	ND	mg/kg	0.063	0.025	1	08/12/11 14:21	08/16/11 15:32	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.063	0.020	1	08/12/11 14:21	08/16/11 15:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.063	0.0081	1	08/12/11 14:21	08/16/11 15:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/16/11 15:32	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.063	0.019	1	08/12/11 14:21	08/16/11 15:32	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.063	0.022	1	08/12/11 14:21	08/16/11 15:32	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.063	0.016	1	08/12/11 14:21	08/16/11 15:32	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.063	0.032	1	08/12/11 14:21	08/16/11 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/16/11 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.063	0.018	1	08/12/11 14:21	08/16/11 15:32	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.63	0.033	1	08/12/11 14:21	08/16/11 15:32	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.063	0.027	1	08/12/11 14:21	08/16/11 15:32	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.063	0.010	1	08/12/11 14:21	08/16/11 15:32	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.25	0.025	1	08/12/11 14:21	08/16/11 15:32	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/16/11 15:32	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/16/11 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.063	0.012	1	08/12/11 14:21	08/16/11 15:32	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.25	0.042	1	08/12/11 14:21	08/16/11 15:32	60-29-7	
Ethylbenzene	ND	mg/kg	0.063	0.0035	1	08/12/11 14:21	08/16/11 15:32	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.32	0.0072	1	08/12/11 14:21	08/16/11 15:32	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.063	0.0080	1	08/12/11 14:21	08/16/11 15:32	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.063	0.011	1	08/12/11 14:21	08/16/11 15:32	99-87-6	
Methylene Chloride	ND	mg/kg	0.25	0.13	1	08/12/11 14:21	08/16/11 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.63	0.32	1	08/12/11 14:21	08/16/11 15:32	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-8 **Lab ID: 10166204016** Collected: 08/09/11 14:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/16/11 15:32	1634-04-4	
Naphthalene	ND	mg/kg	0.25	0.011	1	08/12/11 14:21	08/16/11 15:32	91-20-3	
n-Propylbenzene	ND	mg/kg	0.063	0.0050	1	08/12/11 14:21	08/16/11 15:32	103-65-1	
Styrene	ND	mg/kg	0.063	0.0080	1	08/12/11 14:21	08/16/11 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/16/11 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.063	0.015	1	08/12/11 14:21	08/16/11 15:32	79-34-5	
Tetrachloroethene	ND	mg/kg	0.063	0.017	1	08/12/11 14:21	08/16/11 15:32	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.5	0.19	1	08/12/11 14:21	08/16/11 15:32	109-99-9	
Toluene	ND	mg/kg	0.063	0.0095	1	08/12/11 14:21	08/16/11 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.063	0.018	1	08/12/11 14:21	08/16/11 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.063	0.014	1	08/12/11 14:21	08/16/11 15:32	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.063	0.0082	1	08/12/11 14:21	08/16/11 15:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.063	0.027	1	08/12/11 14:21	08/16/11 15:32	79-00-5	
Trichloroethene	ND	mg/kg	0.063	0.021	1	08/12/11 14:21	08/16/11 15:32	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.25	0.031	1	08/12/11 14:21	08/16/11 15:32	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.25	0.020	1	08/12/11 14:21	08/16/11 15:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.063	0.025	1	08/12/11 14:21	08/16/11 15:32	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.063	0.0093	1	08/12/11 14:21	08/16/11 15:32	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.063	0.0084	1	08/12/11 14:21	08/16/11 15:32	108-67-8	
Vinyl chloride	ND	mg/kg	0.025	0.012	1	08/12/11 14:21	08/16/11 15:32	75-01-4	
Xylene (Total)	ND	mg/kg	0.19	0.034	1	08/12/11 14:21	08/16/11 15:32	1330-20-7	
Dibromofluoromethane (S)	100	%	30-150		1	08/12/11 14:21	08/16/11 15:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	30-150		1	08/12/11 14:21	08/16/11 15:32	17060-07-0	
Toluene-d8 (S)	98	%	30-150		1	08/12/11 14:21	08/16/11 15:32	2037-26-5	
4-Bromofluorobenzene (S)	101	%	30-150		1	08/12/11 14:21	08/16/11 15:32	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-12 **Lab ID: 10166204017** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	1.1	0.23	10	08/31/11 11:20	08/31/11 22:42	12674-11-2	M3
PCB-1221 (Aroclor 1221)	ND	mg/kg	1.1	0.26	10	08/31/11 11:20	08/31/11 22:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	1.1	0.20	10	08/31/11 11:20	08/31/11 22:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	1.1	0.23	10	08/31/11 11:20	08/31/11 22:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	1.1	0.23	10	08/31/11 11:20	08/31/11 22:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	1.1	0.30	10	08/31/11 11:20	08/31/11 22:42	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	1.1	0.20	10	08/31/11 11:20	08/31/11 22:42	11096-82-5	M3
PCB-1262 (Aroclor 1262)	ND	mg/kg	1.1	0.26	10	08/31/11 11:20	08/31/11 22:42	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	1.1	0.56	10	08/31/11 11:20	08/31/11 22:42	11100-14-4	
Tetrachloro-m-xylene (S)	118	%	30-150		10	08/31/11 11:20	08/31/11 22:42	877-09-8	D3,H2
Decachlorobiphenyl (S)	123	%	30-150		10	08/31/11 11:20	08/31/11 22:42	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**26400**	mg/kg	2630	171	100	08/15/11 07:32	08/16/11 14:30		T6
n-Triacontane (S)	0	%	50-150		100	08/15/11 07:32	08/16/11 14:30		S4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**1210**	mg/kg	168	73.1	10	08/12/11 08:28	08/15/11 17:14		
a,a,a-Trifluorotoluene (S)	128	%	80-125		10	08/12/11 08:28	08/15/11 17:14	98-08-8	1M
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**12.4**	mg/kg	1.3	0.66	1	08/12/11 13:50	08/15/11 18:20	7440-38-2	
Barium	**189**	mg/kg	1.3	0.053	1	08/12/11 13:50	08/15/11 18:20	7440-39-3	
Cadmium	**0.52**	mg/kg	0.13	0.026	1	08/12/11 13:50	08/15/11 18:20	7440-43-9	
Chromium	**38.4**	mg/kg	1.3	0.18	1	08/12/11 13:50	08/15/11 18:20	7440-47-3	
Lead	**175**	mg/kg	0.79	0.13	1	08/12/11 13:50	08/15/11 18:20	7439-92-1	
Selenium	ND	mg/kg	2.0	0.34	1	08/12/11 13:50	08/15/11 18:20	7782-49-2	
Silver	ND	mg/kg	1.3	0.079	1	08/12/11 13:50	08/15/11 18:20	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 09/01/11 13:02								
Lead	ND	mg/L	0.015	0.0075	5	09/01/11 14:39	09/02/11 09:19	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.064	0.0051	1	08/15/11 09:10	08/15/11 15:46	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**69.5**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	83-32-9	
Acenaphthylene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	208-96-8	
Anthracene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	56-55-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-12 **Lab ID: 10166204017** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Benzo(a)pyrene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	85-68-7	
Carbazole	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	59-50-7	
4-Chloroaniline	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.1	0.20	1	08/16/11 09:44	08/17/11 15:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	91-58-7	
2-Chlorophenol	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	7005-72-3	
Chrysene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	53-70-3	
Dibenzofuran	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.1	0.20	1	08/16/11 09:44	08/17/11 15:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	2.2	1.1	1	08/16/11 09:44	08/17/11 15:55	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	120-83-2	
Diethylphthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	105-67-9	
Dimethylphthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	131-11-3	
Di-n-butylphthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	117-81-7	
Fluoranthene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	206-44-0	
Fluorene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.1	0.21	1	08/16/11 09:44	08/17/11 15:55	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	118-74-1	
Hexachloroethane	ND	mg/kg	1.1	0.20	1	08/16/11 09:44	08/17/11 15:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	193-39-5	
Isophorone	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.1	0.16	1	08/16/11 09:44	08/17/11 15:55	95-48-7	
3&4-Methylphenol	ND	mg/kg	2.2	1.1	1	08/16/11 09:44	08/17/11 15:55		

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-12 **Lab ID: 10166204017** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Naphthalene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	91-20-3	
2-Nitroaniline	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	88-74-4	
3-Nitroaniline	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	99-09-2	
4-Nitroaniline	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	100-01-6	
Nitrobenzene	ND	mg/kg	1.1	0.21	1	08/16/11 09:44	08/17/11 15:55	98-95-3	
2-Nitrophenol	ND	mg/kg	1.1	0.20	1	08/16/11 09:44	08/17/11 15:55	88-75-5	
4-Nitrophenol	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/17/11 15:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/17/11 15:55	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	86-30-6	
Pentachlorophenol	ND	mg/kg	2.2	1.1	1	08/16/11 09:44	08/17/11 15:55	87-86-5	
Phenanthrene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	85-01-8	
Phenol	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	108-95-2	
Pyrene	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/17/11 15:55	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	5.6	2.8	1	08/16/11 09:44	08/17/11 15:55	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.1	0.54	1	08/16/11 09:44	08/17/11 15:55	88-06-2	
Nitrobenzene-d5 (S)	71	%	50-120		1	08/16/11 09:44	08/17/11 15:55	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-150		1	08/16/11 09:44	08/17/11 15:55	321-60-8	
Terphenyl-d14 (S)	75	%	30-150		1	08/16/11 09:44	08/17/11 15:55	1718-51-0	
Phenol-d6 (S)	60	%	30-149		1	08/16/11 09:44	08/17/11 15:55	13127-88-3	
2-Fluorophenol (S)	61	%	30-147		1	08/16/11 09:44	08/17/11 15:55	367-12-4	
2,4,6-Tribromophenol (S)	80	%	30-150		1	08/16/11 09:44	08/17/11 15:55	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	33.2	16.6	20	08/12/11 14:21	08/14/11 23:00	67-64-1	
Allyl chloride	ND	mg/kg	13.3	4.4	20	08/12/11 14:21	08/14/11 23:00	107-05-1	
Benzene	ND	mg/kg	1.3	0.66	20	08/12/11 14:21	08/14/11 23:00	71-43-2	
Bromobenzene	ND	mg/kg	3.3	1.0	20	08/12/11 14:21	08/14/11 23:00	108-86-1	
Bromochloromethane	ND	mg/kg	3.3	1.5	20	08/12/11 14:21	08/14/11 23:00	74-97-5	
Bromodichloromethane	ND	mg/kg	3.3	1.3	20	08/12/11 14:21	08/14/11 23:00	75-27-4	
Bromoform	ND	mg/kg	13.3	3.3	20	08/12/11 14:21	08/14/11 23:00	75-25-2	
Bromomethane	ND	mg/kg	33.2	5.0	20	08/12/11 14:21	08/14/11 23:00	74-83-9	
2-Butanone (MEK)	ND	mg/kg	33.2	16.6	20	08/12/11 14:21	08/14/11 23:00	78-93-3	
n-Butylbenzene	ND	mg/kg	3.3	0.32	20	08/12/11 14:21	08/14/11 23:00	104-51-8	
sec-Butylbenzene	ND	mg/kg	3.3	0.36	20	08/12/11 14:21	08/14/11 23:00	135-98-8	
tert-Butylbenzene	ND	mg/kg	3.3	0.42	20	08/12/11 14:21	08/14/11 23:00	98-06-6	
Carbon tetrachloride	ND	mg/kg	3.3	0.78	20	08/12/11 14:21	08/14/11 23:00	56-23-5	
Chlorobenzene	ND	mg/kg	3.3	0.75	20	08/12/11 14:21	08/14/11 23:00	108-90-7	
Chloroethane	ND	mg/kg	33.2	8.0	20	08/12/11 14:21	08/14/11 23:00	75-00-3	
Chloroform	ND	mg/kg	3.3	0.74	20	08/12/11 14:21	08/14/11 23:00	67-66-3	
Chloromethane	ND	mg/kg	13.3	2.2	20	08/12/11 14:21	08/14/11 23:00	74-87-3	
2-Chlorotoluene	ND	mg/kg	3.3	0.45	20	08/12/11 14:21	08/14/11 23:00	95-49-8	
4-Chlorotoluene	ND	mg/kg	3.3	0.45	20	08/12/11 14:21	08/14/11 23:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	13.3	2.5	20	08/12/11 14:21	08/14/11 23:00	96-12-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-12 **Lab ID: 10166204017** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	ND	mg/kg	3.3	0.71	20	08/12/11 14:21	08/14/11 23:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	3.3	1.0	20	08/12/11 14:21	08/14/11 23:00	106-93-4	
Dibromomethane	ND	mg/kg	3.3	1.3	20	08/12/11 14:21	08/14/11 23:00	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	3.3	1.0	20	08/12/11 14:21	08/14/11 23:00	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	3.3	0.43	20	08/12/11 14:21	08/14/11 23:00	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	3.3	0.59	20	08/12/11 14:21	08/14/11 23:00	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	3.3	1.0	20	08/12/11 14:21	08/14/11 23:00	75-71-8	
1,1-Dichloroethane	ND	mg/kg	3.3	1.1	20	08/12/11 14:21	08/14/11 23:00	75-34-3	
1,2-Dichloroethane	ND	mg/kg	3.3	0.85	20	08/12/11 14:21	08/14/11 23:00	107-06-2	
1,1-Dichloroethene	ND	mg/kg	3.3	1.7	20	08/12/11 14:21	08/14/11 23:00	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	3.3	1.1	20	08/12/11 14:21	08/14/11 23:00	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	3.3	0.94	20	08/12/11 14:21	08/14/11 23:00	156-60-5	
Dichlorofluoromethane	ND	mg/kg	33.2	1.7	20	08/12/11 14:21	08/14/11 23:00	75-43-4	
1,2-Dichloropropane	ND	mg/kg	3.3	1.4	20	08/12/11 14:21	08/14/11 23:00	78-87-5	
1,3-Dichloropropane	ND	mg/kg	3.3	0.55	20	08/12/11 14:21	08/14/11 23:00	142-28-9	
2,2-Dichloropropane	ND	mg/kg	13.3	1.3	20	08/12/11 14:21	08/14/11 23:00	594-20-7	
1,1-Dichloropropene	ND	mg/kg	3.3	0.74	20	08/12/11 14:21	08/14/11 23:00	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	3.3	0.58	20	08/12/11 14:21	08/14/11 23:00	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	3.3	0.62	20	08/12/11 14:21	08/14/11 23:00	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	13.3	2.2	20	08/12/11 14:21	08/14/11 23:00	60-29-7	
Ethylbenzene	ND	mg/kg	3.3	0.18	20	08/12/11 14:21	08/14/11 23:00	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	16.6	0.38	20	08/12/11 14:21	08/14/11 23:00	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	3.3	0.42	20	08/12/11 14:21	08/14/11 23:00	98-82-8	
p-Isopropyltoluene	ND	mg/kg	3.3	0.57	20	08/12/11 14:21	08/14/11 23:00	99-87-6	
Methylene Chloride	ND	mg/kg	13.3	6.6	20	08/12/11 14:21	08/14/11 23:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	33.2	16.6	20	08/12/11 14:21	08/14/11 23:00	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	3.3	1.1	20	08/12/11 14:21	08/14/11 23:00	1634-04-4	
Naphthalene	**1900**	mg/kg	66.5	2.8	100	08/12/11 14:21	08/16/11 20:00	91-20-3	
n-Propylbenzene	ND	mg/kg	3.3	0.26	20	08/12/11 14:21	08/14/11 23:00	103-65-1	
Styrene	ND	mg/kg	3.3	0.42	20	08/12/11 14:21	08/14/11 23:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	3.3	0.81	20	08/12/11 14:21	08/14/11 23:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	3.3	0.78	20	08/12/11 14:21	08/14/11 23:00	79-34-5	
Tetrachloroethene	ND	mg/kg	3.3	0.88	20	08/12/11 14:21	08/14/11 23:00	127-18-4	
Tetrahydrofuran	ND	mg/kg	133	9.9	20	08/12/11 14:21	08/14/11 23:00	109-99-9	
Toluene	ND	mg/kg	3.3	0.50	20	08/12/11 14:21	08/14/11 23:00	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	3.3	0.94	20	08/12/11 14:21	08/14/11 23:00	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	3.3	0.73	20	08/12/11 14:21	08/14/11 23:00	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	3.3	0.43	20	08/12/11 14:21	08/14/11 23:00	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	3.3	1.4	20	08/12/11 14:21	08/14/11 23:00	79-00-5	
Trichloroethene	ND	mg/kg	3.3	1.1	20	08/12/11 14:21	08/14/11 23:00	79-01-6	
Trichlorofluoromethane	ND	mg/kg	13.3	1.6	20	08/12/11 14:21	08/14/11 23:00	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	13.3	1.1	20	08/12/11 14:21	08/14/11 23:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	3.3	1.3	20	08/12/11 14:21	08/14/11 23:00	76-13-1	
1,2,4-Trimethylbenzene	**5.4**	mg/kg	3.3	0.49	20	08/12/11 14:21	08/14/11 23:00	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	3.3	0.44	20	08/12/11 14:21	08/14/11 23:00	108-67-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-12 **Lab ID: 10166204017** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	ND	mg/kg	1.3	0.62	20	08/12/11 14:21	08/14/11 23:00	75-01-4	
Xylene (Total)	ND	mg/kg	10	1.8	20	08/12/11 14:21	08/14/11 23:00	1330-20-7	
Dibromofluoromethane (S)	140	%	30-150		20	08/12/11 14:21	08/14/11 23:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	138	%	30-150		20	08/12/11 14:21	08/14/11 23:00	17060-07-0	
Toluene-d8 (S)	102	%	30-150		20	08/12/11 14:21	08/14/11 23:00	2037-26-5	
4-Bromofluorobenzene (S)	101	%	30-150		20	08/12/11 14:21	08/14/11 23:00	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-13-10 **Lab ID: 10166204018** Collected: 08/09/11 15:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.8**	mg/kg	0.40	0.20	1	08/12/11 13:50	08/15/11 18:25	7440-38-2	
Barium	**35.6**	mg/kg	0.40	0.016	1	08/12/11 13:50	08/15/11 18:25	7440-39-3	
Cadmium	**0.18**	mg/kg	0.040	0.0080	1	08/12/11 13:50	08/15/11 18:25	7440-43-9	
Chromium	**7.0**	mg/kg	0.40	0.056	1	08/12/11 13:50	08/15/11 18:25	7440-47-3	
Lead	**62.6**	mg/kg	0.24	0.040	1	08/12/11 13:50	08/15/11 18:25	7439-92-1	
Selenium	ND	mg/kg	0.60	0.10	1	08/12/11 13:50	08/15/11 18:25	7782-49-2	
Silver	ND	mg/kg	0.40	0.024	1	08/12/11 13:50	08/15/11 18:25	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0017	1	08/15/11 09:10	08/15/11 15:48	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**15.7**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	83-32-9	
Acenaphthylene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	208-96-8	
Anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	85-68-7	
Carbazole	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	59-50-7	
4-Chloroaniline	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/19/11 02:37	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.39	0.070	1	08/16/11 09:44	08/19/11 02:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/19/11 02:37	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	91-58-7	
2-Chlorophenol	ND	mg/kg	0.39	0.069	1	08/16/11 09:44	08/19/11 02:37	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	7005-72-3	
Chrysene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	53-70-3	
Dibenzofuran	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.39	0.072	1	08/16/11 09:44	08/19/11 02:37	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/19/11 02:37	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.39	0.069	1	08/16/11 09:44	08/19/11 02:37	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.79	0.39	1	08/16/11 09:44	08/19/11 02:37	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	120-83-2	
Diethylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	105-67-9	
Dimethylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	131-11-3	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-13-10 **Lab ID: 10166204018** Collected: 08/09/11 15:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	117-81-7	
Fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	206-44-0	
Fluorene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.39	0.075	1	08/16/11 09:44	08/19/11 02:37	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	118-74-1	
Hexachloroethane	ND	mg/kg	0.39	0.071	1	08/16/11 09:44	08/19/11 02:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	193-39-5	
Isophorone	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/19/11 02:37	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.39	0.059	1	08/16/11 09:44	08/19/11 02:37	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.78	0.39	1	08/16/11 09:44	08/19/11 02:37		
Naphthalene	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/19/11 02:37	91-20-3	
2-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	88-74-4	
3-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	99-09-2	
4-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	100-01-6	
Nitrobenzene	ND	mg/kg	0.39	0.076	1	08/16/11 09:44	08/19/11 02:37	98-95-3	
2-Nitrophenol	ND	mg/kg	0.39	0.071	1	08/16/11 09:44	08/19/11 02:37	88-75-5	
4-Nitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.39	0.065	1	08/16/11 09:44	08/19/11 02:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.39	0.064	1	08/16/11 09:44	08/19/11 02:37	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	86-30-6	
Pentachlorophenol	ND	mg/kg	0.79	0.39	1	08/16/11 09:44	08/19/11 02:37	87-86-5	
Phenanthrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	85-01-8	
Phenol	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/19/11 02:37	108-95-2	
Pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.39	0.069	1	08/16/11 09:44	08/19/11 02:37	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 02:37	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/19/11 02:37	88-06-2	
Nitrobenzene-d5 (S)	53	%	50-120		1	08/16/11 09:44	08/19/11 02:37	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-150		1	08/16/11 09:44	08/19/11 02:37	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/19/11 02:37	1718-51-0	
Phenol-d6 (S)	56	%	30-149		1	08/16/11 09:44	08/19/11 02:37	13127-88-3	
2-Fluorophenol (S)	51	%	30-147		1	08/16/11 09:44	08/19/11 02:37	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-150		1	08/16/11 09:44	08/19/11 02:37	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.57	0.28	1	08/12/11 14:21	08/14/11 20:35	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-13-10 **Lab ID: 10166204018** Collected: 08/09/11 15:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.23	0.075	1	08/12/11 14:21	08/14/11 20:35	107-05-1	
Benzene	ND	mg/kg	0.023	0.011	1	08/12/11 14:21	08/14/11 20:35	71-43-2	
Bromobenzene	ND	mg/kg	0.057	0.017	1	08/12/11 14:21	08/14/11 20:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.057	0.026	1	08/12/11 14:21	08/14/11 20:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.057	0.022	1	08/12/11 14:21	08/14/11 20:35	75-27-4	
Bromoform	ND	mg/kg	0.23	0.056	1	08/12/11 14:21	08/14/11 20:35	75-25-2	
Bromomethane	ND	mg/kg	0.57	0.086	1	08/12/11 14:21	08/14/11 20:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.57	0.28	1	08/12/11 14:21	08/14/11 20:35	78-93-3	
n-Butylbenzene	ND	mg/kg	0.057	0.0054	1	08/12/11 14:21	08/14/11 20:35	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.057	0.0061	1	08/12/11 14:21	08/14/11 20:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.057	0.0072	1	08/12/11 14:21	08/14/11 20:35	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.057	0.013	1	08/12/11 14:21	08/14/11 20:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.057	0.013	1	08/12/11 14:21	08/14/11 20:35	108-90-7	
Chloroethane	ND	mg/kg	0.57	0.14	1	08/12/11 14:21	08/14/11 20:35	75-00-3	
Chloroform	ND	mg/kg	0.057	0.013	1	08/12/11 14:21	08/14/11 20:35	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.038	1	08/12/11 14:21	08/14/11 20:35	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.057	0.0077	1	08/12/11 14:21	08/14/11 20:35	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.057	0.0077	1	08/12/11 14:21	08/14/11 20:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.043	1	08/12/11 14:21	08/14/11 20:35	96-12-8	
Dibromochloromethane	ND	mg/kg	0.057	0.012	1	08/12/11 14:21	08/14/11 20:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.057	0.018	1	08/12/11 14:21	08/14/11 20:35	106-93-4	
Dibromomethane	ND	mg/kg	0.057	0.023	1	08/12/11 14:21	08/14/11 20:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.057	0.018	1	08/12/11 14:21	08/14/11 20:35	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.057	0.0073	1	08/12/11 14:21	08/14/11 20:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.057	0.010	1	08/12/11 14:21	08/14/11 20:35	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.057	0.017	1	08/12/11 14:21	08/14/11 20:35	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.057	0.019	1	08/12/11 14:21	08/14/11 20:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.057	0.015	1	08/12/11 14:21	08/14/11 20:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.057	0.029	1	08/12/11 14:21	08/14/11 20:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.057	0.019	1	08/12/11 14:21	08/14/11 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.057	0.016	1	08/12/11 14:21	08/14/11 20:35	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.57	0.030	1	08/12/11 14:21	08/14/11 20:35	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.057	0.025	1	08/12/11 14:21	08/14/11 20:35	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.057	0.0094	1	08/12/11 14:21	08/14/11 20:35	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/12/11 14:21	08/14/11 20:35	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.057	0.013	1	08/12/11 14:21	08/14/11 20:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.057	0.0099	1	08/12/11 14:21	08/14/11 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.057	0.011	1	08/12/11 14:21	08/14/11 20:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.038	1	08/12/11 14:21	08/14/11 20:35	60-29-7	
Ethylbenzene	ND	mg/kg	0.057	0.0032	1	08/12/11 14:21	08/14/11 20:35	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0065	1	08/12/11 14:21	08/14/11 20:35	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.057	0.0072	1	08/12/11 14:21	08/14/11 20:35	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.057	0.0098	1	08/12/11 14:21	08/14/11 20:35	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.11	1	08/12/11 14:21	08/14/11 20:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.57	0.28	1	08/12/11 14:21	08/14/11 20:35	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-13-10 **Lab ID: 10166204018** Collected: 08/09/11 15:30 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.057	0.019	1	08/12/11 14:21	08/14/11 20:35	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.0097	1	08/12/11 14:21	08/14/11 20:35	91-20-3	
n-Propylbenzene	ND	mg/kg	0.057	0.0045	1	08/12/11 14:21	08/14/11 20:35	103-65-1	
Styrene	ND	mg/kg	0.057	0.0072	1	08/12/11 14:21	08/14/11 20:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.057	0.014	1	08/12/11 14:21	08/14/11 20:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.057	0.013	1	08/12/11 14:21	08/14/11 20:35	79-34-5	
Tetrachloroethene	ND	mg/kg	0.057	0.015	1	08/12/11 14:21	08/14/11 20:35	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/12/11 14:21	08/14/11 20:35	109-99-9	
Toluene	ND	mg/kg	0.057	0.0086	1	08/12/11 14:21	08/14/11 20:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.057	0.016	1	08/12/11 14:21	08/14/11 20:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.057	0.012	1	08/12/11 14:21	08/14/11 20:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.057	0.0074	1	08/12/11 14:21	08/14/11 20:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.057	0.024	1	08/12/11 14:21	08/14/11 20:35	79-00-5	
Trichloroethene	ND	mg/kg	0.057	0.019	1	08/12/11 14:21	08/14/11 20:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.028	1	08/12/11 14:21	08/14/11 20:35	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/12/11 14:21	08/14/11 20:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.057	0.023	1	08/12/11 14:21	08/14/11 20:35	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.057	0.0084	1	08/12/11 14:21	08/14/11 20:35	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.057	0.0076	1	08/12/11 14:21	08/14/11 20:35	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/12/11 14:21	08/14/11 20:35	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.031	1	08/12/11 14:21	08/14/11 20:35	1330-20-7	
Dibromofluoromethane (S)	157	%	30-150		1	08/12/11 14:21	08/14/11 20:35	1868-53-7	S3
1,2-Dichloroethane-d4 (S)	145	%	30-150		1	08/12/11 14:21	08/14/11 20:35	17060-07-0	
Toluene-d8 (S)	147	%	30-150		1	08/12/11 14:21	08/14/11 20:35	2037-26-5	
4-Bromofluorobenzene (S)	148	%	30-150		1	08/12/11 14:21	08/14/11 20:35	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-4 **Lab ID: 10166204019** Collected: 08/09/11 16:20 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.041	0.0087	1	08/15/11 07:35	08/17/11 03:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.041	0.010	1	08/15/11 07:35	08/17/11 03:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.041	0.0075	1	08/15/11 07:35	08/17/11 03:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.041	0.0087	1	08/15/11 07:35	08/17/11 03:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.041	0.0087	1	08/15/11 07:35	08/17/11 03:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.041	0.011	1	08/15/11 07:35	08/17/11 03:28	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	0.041	0.0075	1	08/15/11 07:35	08/17/11 03:28	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	mg/kg	0.041	0.010	1	08/15/11 07:35	08/17/11 03:28	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	0.041	0.021	1	08/15/11 07:35	08/17/11 03:28	11100-14-4	
Tetrachloro-m-xylene (S)	88	%	30-150		1	08/15/11 07:35	08/17/11 03:28	877-09-8	
Decachlorobiphenyl (S)	88	%	30-150		1	08/15/11 07:35	08/17/11 03:28	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.6	0.62	1	08/15/11 07:32	08/16/11 11:52		
n-Triacontane (S)	80	%	50-150		1	08/15/11 07:32	08/16/11 11:52		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	6.0	2.6	1	08/12/11 08:28	08/15/11 12:31		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/12/11 08:28	08/15/11 12:31	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.4**	mg/kg	0.61	0.30	1	08/12/11 13:50	08/15/11 18:31	7440-38-2	
Barium	**105**	mg/kg	0.61	0.024	1	08/12/11 13:50	08/15/11 18:31	7440-39-3	
Cadmium	**0.11**	mg/kg	0.061	0.012	1	08/12/11 13:50	08/15/11 18:31	7440-43-9	
Chromium	**7.9**	mg/kg	0.61	0.085	1	08/12/11 13:50	08/15/11 18:31	7440-47-3	
Lead	**16.1**	mg/kg	0.36	0.061	1	08/12/11 13:50	08/15/11 18:31	7439-92-1	
Selenium	**1.2**	mg/kg	0.91	0.16	1	08/12/11 13:50	08/15/11 18:31	7782-49-2	
Silver	ND	mg/kg	0.61	0.036	1	08/12/11 13:50	08/15/11 18:31	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.025	0.0020	1	08/15/11 09:10	08/15/11 15:50	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**19.8**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	83-32-9	
Acenaphthylene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	208-96-8	
Anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	50-32-8	
Benzo(b)fluoranthene	**0.54**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	205-99-2	
Benzo(g,h,i)perylene	**0.71**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	207-08-9	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-4 **Lab ID: 10166204019** Collected: 08/09/11 16:20 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Bromophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	85-68-7	
Carbazole	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	59-50-7	
4-Chloroaniline	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/19/11 04:33	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/19/11 04:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/19/11 04:33	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	91-58-7	
2-Chlorophenol	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/19/11 04:33	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	7005-72-3	
Chrysene	**0.44**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	53-70-3	
Dibenzofuran	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.41	0.076	1	08/16/11 09:44	08/19/11 04:33	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/19/11 04:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/19/11 04:33	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.83	0.42	1	08/16/11 09:44	08/19/11 04:33	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	120-83-2	
Diethylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	105-67-9	
Dimethylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	117-81-7	
Fluoranthene	**0.53**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	206-44-0	
Fluorene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.41	0.080	1	08/16/11 09:44	08/19/11 04:33	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	118-74-1	
Hexachloroethane	ND	mg/kg	0.41	0.075	1	08/16/11 09:44	08/19/11 04:33	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.42**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	193-39-5	
Isophorone	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/19/11 04:33	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.41	0.062	1	08/16/11 09:44	08/19/11 04:33	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.82	0.41	1	08/16/11 09:44	08/19/11 04:33		
Naphthalene	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/19/11 04:33	91-20-3	
2-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	88-74-4	
3-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	99-09-2	
4-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	100-01-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-4 **Lab ID: 10166204019** Collected: 08/09/11 16:20 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene	ND	mg/kg	0.41	0.080	1	08/16/11 09:44	08/19/11 04:33	98-95-3	
2-Nitrophenol	ND	mg/kg	0.41	0.075	1	08/16/11 09:44	08/19/11 04:33	88-75-5	
4-Nitrophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.41	0.069	1	08/16/11 09:44	08/19/11 04:33	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.41	0.068	1	08/16/11 09:44	08/19/11 04:33	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	86-30-6	
Pentachlorophenol	ND	mg/kg	0.83	0.42	1	08/16/11 09:44	08/19/11 04:33	87-86-5	
Phenanthrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	85-01-8	
Phenol	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/19/11 04:33	108-95-2	
Pyrene	**0.49**	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/19/11 04:33	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 04:33	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/19/11 04:33	88-06-2	
Nitrobenzene-d5 (S)	68	%	50-120		1	08/16/11 09:44	08/19/11 04:33	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-150		1	08/16/11 09:44	08/19/11 04:33	321-60-8	
Terphenyl-d14 (S)	81	%	30-150		1	08/16/11 09:44	08/19/11 04:33	1718-51-0	
Phenol-d6 (S)	67	%	30-149		1	08/16/11 09:44	08/19/11 04:33	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		1	08/16/11 09:44	08/19/11 04:33	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/16/11 09:44	08/19/11 04:33	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/14/11 20:56	67-64-1	
Allyl chloride	ND	mg/kg	0.26	0.084	1	08/12/11 14:21	08/14/11 20:56	107-05-1	
Benzene	ND	mg/kg	0.026	0.013	1	08/12/11 14:21	08/14/11 20:56	71-43-2	
Bromobenzene	ND	mg/kg	0.064	0.019	1	08/12/11 14:21	08/14/11 20:56	108-86-1	
Bromochloromethane	ND	mg/kg	0.064	0.029	1	08/12/11 14:21	08/14/11 20:56	74-97-5	
Bromodichloromethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/14/11 20:56	75-27-4	
Bromoform	ND	mg/kg	0.26	0.064	1	08/12/11 14:21	08/14/11 20:56	75-25-2	
Bromomethane	ND	mg/kg	0.64	0.097	1	08/12/11 14:21	08/14/11 20:56	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/14/11 20:56	78-93-3	
n-Butylbenzene	ND	mg/kg	0.064	0.0061	1	08/12/11 14:21	08/14/11 20:56	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.064	0.0068	1	08/12/11 14:21	08/14/11 20:56	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/14/11 20:56	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.064	0.015	1	08/12/11 14:21	08/14/11 20:56	56-23-5	
Chlorobenzene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/14/11 20:56	108-90-7	
Chloroethane	ND	mg/kg	0.64	0.15	1	08/12/11 14:21	08/14/11 20:56	75-00-3	
Chloroform	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/14/11 20:56	67-66-3	
Chloromethane	ND	mg/kg	0.26	0.043	1	08/12/11 14:21	08/14/11 20:56	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.064	0.0087	1	08/12/11 14:21	08/14/11 20:56	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.064	0.0087	1	08/12/11 14:21	08/14/11 20:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.26	0.048	1	08/12/11 14:21	08/14/11 20:56	96-12-8	
Dibromochloromethane	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/14/11 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.064	0.020	1	08/12/11 14:21	08/14/11 20:56	106-93-4	
Dibromomethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/14/11 20:56	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.064	0.020	1	08/12/11 14:21	08/14/11 20:56	95-50-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-4 **Lab ID: 10166204019** Collected: 08/09/11 16:20 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichlorobenzene	ND	mg/kg	0.064	0.0082	1	08/12/11 14:21	08/14/11 20:56	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/14/11 20:56	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.064	0.019	1	08/12/11 14:21	08/14/11 20:56	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.064	0.022	1	08/12/11 14:21	08/14/11 20:56	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.064	0.016	1	08/12/11 14:21	08/14/11 20:56	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.064	0.032	1	08/12/11 14:21	08/14/11 20:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/14/11 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.064	0.018	1	08/12/11 14:21	08/14/11 20:56	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.64	0.034	1	08/12/11 14:21	08/14/11 20:56	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.064	0.028	1	08/12/11 14:21	08/14/11 20:56	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/14/11 20:56	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.26	0.026	1	08/12/11 14:21	08/14/11 20:56	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/14/11 20:56	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/14/11 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.064	0.012	1	08/12/11 14:21	08/14/11 20:56	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.26	0.043	1	08/12/11 14:21	08/14/11 20:56	60-29-7	
Ethylbenzene	ND	mg/kg	0.064	0.0036	1	08/12/11 14:21	08/14/11 20:56	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.32	0.0073	1	08/12/11 14:21	08/14/11 20:56	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/14/11 20:56	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.064	0.011	1	08/12/11 14:21	08/14/11 20:56	99-87-6	
Methylene Chloride	ND	mg/kg	0.26	0.13	1	08/12/11 14:21	08/14/11 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.64	0.32	1	08/12/11 14:21	08/14/11 20:56	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/14/11 20:56	1634-04-4	
Naphthalene	ND	mg/kg	0.26	0.011	1	08/12/11 14:21	08/14/11 20:56	91-20-3	
n-Propylbenzene	ND	mg/kg	0.064	0.0051	1	08/12/11 14:21	08/14/11 20:56	103-65-1	
Styrene	ND	mg/kg	0.064	0.0081	1	08/12/11 14:21	08/14/11 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.064	0.016	1	08/12/11 14:21	08/14/11 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.064	0.015	1	08/12/11 14:21	08/14/11 20:56	79-34-5	
Tetrachloroethene	ND	mg/kg	0.064	0.017	1	08/12/11 14:21	08/14/11 20:56	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.6	0.19	1	08/12/11 14:21	08/14/11 20:56	109-99-9	
Toluene	ND	mg/kg	0.064	0.0096	1	08/12/11 14:21	08/14/11 20:56	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.064	0.018	1	08/12/11 14:21	08/14/11 20:56	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.064	0.014	1	08/12/11 14:21	08/14/11 20:56	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.064	0.0083	1	08/12/11 14:21	08/14/11 20:56	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.064	0.027	1	08/12/11 14:21	08/14/11 20:56	79-00-5	
Trichloroethene	ND	mg/kg	0.064	0.021	1	08/12/11 14:21	08/14/11 20:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.26	0.032	1	08/12/11 14:21	08/14/11 20:56	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.26	0.020	1	08/12/11 14:21	08/14/11 20:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.064	0.025	1	08/12/11 14:21	08/14/11 20:56	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.064	0.0094	1	08/12/11 14:21	08/14/11 20:56	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.064	0.0085	1	08/12/11 14:21	08/14/11 20:56	108-67-8	
Vinyl chloride	ND	mg/kg	0.026	0.012	1	08/12/11 14:21	08/14/11 20:56	75-01-4	
Xylene (Total)	ND	mg/kg	0.19	0.035	1	08/12/11 14:21	08/14/11 20:56	1330-20-7	
Dibromofluoromethane (S)	114	%	30-150		1	08/12/11 14:21	08/14/11 20:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	30-150		1	08/12/11 14:21	08/14/11 20:56	17060-07-0	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-4 **Lab ID: 10166204019** Collected: 08/09/11 16:20 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	105	%	30-150		1	08/12/11 14:21	08/14/11 20:56	2037-26-5	
4-Bromofluorobenzene (S)	107	%	30-150		1	08/12/11 14:21	08/14/11 20:56	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8 **Lab ID: 10166204020** Collected: 08/09/11 16:45 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.065	0.014	1	08/15/11 07:35	08/17/11 04:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.065	0.016	1	08/15/11 07:35	08/17/11 04:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.065	0.012	1	08/15/11 07:35	08/17/11 04:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.065	0.014	1	08/15/11 07:35	08/17/11 04:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.065	0.014	1	08/15/11 07:35	08/17/11 04:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.065	0.018	1	08/15/11 07:35	08/17/11 04:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	0.065	0.012	1	08/15/11 07:35	08/17/11 04:16	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	mg/kg	0.065	0.016	1	08/15/11 07:35	08/17/11 04:16	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	0.065	0.033	1	08/15/11 07:35	08/17/11 04:16	11100-14-4	
Tetrachloro-m-xylene (S)	90	%	30-150		1	08/15/11 07:35	08/17/11 04:16	877-09-8	
Decachlorobiphenyl (S)	87	%	30-150		1	08/15/11 07:35	08/17/11 04:16	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	0.75	0.37	1	08/12/11 13:50	08/15/11 18:38	7440-38-2	
Barium	**29.2**	mg/kg	0.75	0.030	1	08/12/11 13:50	08/15/11 18:38	7440-39-3	
Cadmium	ND	mg/kg	0.075	0.015	1	08/12/11 13:50	08/15/11 18:38	7440-43-9	
Chromium	**1.6**	mg/kg	0.75	0.10	1	08/12/11 13:50	08/15/11 18:38	7440-47-3	
Lead	**1.6**	mg/kg	0.45	0.075	1	08/12/11 13:50	08/15/11 18:38	7439-92-1	
Selenium	**1.2**	mg/kg	1.1	0.19	1	08/12/11 13:50	08/15/11 18:38	7782-49-2	
Silver	ND	mg/kg	0.75	0.045	1	08/12/11 13:50	08/15/11 18:38	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.035	0.0028	1	08/15/11 09:10	08/15/11 15:52	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**48.9**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	83-32-9	
Acenaphthylene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	208-96-8	
Anthracene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	85-68-7	
Carbazole	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	59-50-7	
4-Chloroaniline	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.65	0.12	1	08/16/11 09:44	08/17/11 16:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	108-60-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8 **Lab ID: 10166204020** Collected: 08/09/11 16:45 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chloronaphthalene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	91-58-7	
2-Chlorophenol	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	7005-72-3	
Chrysene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	53-70-3	
Dibenzofuran	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.65	0.12	1	08/16/11 09:44	08/17/11 16:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	1.3	0.66	1	08/16/11 09:44	08/17/11 16:21	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	120-83-2	
Diethylphthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	105-67-9	
Dimethylphthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	117-81-7	
Fluoranthene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	206-44-0	
Fluorene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.65	0.13	1	08/16/11 09:44	08/17/11 16:21	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	118-74-1	
Hexachloroethane	ND	mg/kg	0.65	0.12	1	08/16/11 09:44	08/17/11 16:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	193-39-5	
Isophorone	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.65	0.098	1	08/16/11 09:44	08/17/11 16:21	95-48-7	
3&4-Methylphenol	ND	mg/kg	1.3	0.65	1	08/16/11 09:44	08/17/11 16:21		
Naphthalene	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	91-20-3	
2-Nitroaniline	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	88-74-4	
3-Nitroaniline	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	99-09-2	
4-Nitroaniline	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	100-01-6	
Nitrobenzene	ND	mg/kg	0.65	0.13	1	08/16/11 09:44	08/17/11 16:21	98-95-3	
2-Nitrophenol	ND	mg/kg	0.65	0.12	1	08/16/11 09:44	08/17/11 16:21	88-75-5	
4-Nitrophenol	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	86-30-6	
Pentachlorophenol	ND	mg/kg	1.3	0.66	1	08/16/11 09:44	08/17/11 16:21	87-86-5	
Phenanthrene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8 **Lab ID: 10166204020** Collected: 08/09/11 16:45 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Phenol	ND	mg/kg	0.65	0.11	1	08/16/11 09:44	08/17/11 16:21	108-95-2	
Pyrene	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.65	0.12	1	08/16/11 09:44	08/17/11 16:21	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/17/11 16:21	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.65	0.32	1	08/16/11 09:44	08/17/11 16:21	88-06-2	
Nitrobenzene-d5 (S)	69	%	50-120		1	08/16/11 09:44	08/17/11 16:21	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-150		1	08/16/11 09:44	08/17/11 16:21	321-60-8	
Terphenyl-d14 (S)	78	%	30-150		1	08/16/11 09:44	08/17/11 16:21	1718-51-0	
Phenol-d6 (S)	64	%	30-149		1	08/16/11 09:44	08/17/11 16:21	13127-88-3	
2-Fluorophenol (S)	62	%	30-147		1	08/16/11 09:44	08/17/11 16:21	367-12-4	
2,4,6-Tribromophenol (S)	90	%	30-150		1	08/16/11 09:44	08/17/11 16:21	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.9	0.96	1	08/12/11 14:21	08/14/11 21:17	67-64-1	
Allyl chloride	ND	mg/kg	0.77	0.25	1	08/12/11 14:21	08/14/11 21:17	107-05-1	
Benzene	ND	mg/kg	0.077	0.038	1	08/12/11 14:21	08/14/11 21:17	71-43-2	
Bromobenzene	ND	mg/kg	0.19	0.058	1	08/12/11 14:21	08/14/11 21:17	108-86-1	
Bromochloromethane	ND	mg/kg	0.19	0.088	1	08/12/11 14:21	08/14/11 21:17	74-97-5	
Bromodichloromethane	ND	mg/kg	0.19	0.075	1	08/12/11 14:21	08/14/11 21:17	75-27-4	
Bromoform	ND	mg/kg	0.77	0.19	1	08/12/11 14:21	08/14/11 21:17	75-25-2	
Bromomethane	ND	mg/kg	1.9	0.29	1	08/12/11 14:21	08/14/11 21:17	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.9	0.96	1	08/12/11 14:21	08/14/11 21:17	78-93-3	
n-Butylbenzene	ND	mg/kg	0.19	0.018	1	08/12/11 14:21	08/14/11 21:17	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.19	0.021	1	08/12/11 14:21	08/14/11 21:17	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.19	0.024	1	08/12/11 14:21	08/14/11 21:17	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.19	0.045	1	08/12/11 14:21	08/14/11 21:17	56-23-5	
Chlorobenzene	ND	mg/kg	0.19	0.043	1	08/12/11 14:21	08/14/11 21:17	108-90-7	
Chloroethane	ND	mg/kg	1.9	0.47	1	08/12/11 14:21	08/14/11 21:17	75-00-3	
Chloroform	ND	mg/kg	0.19	0.043	1	08/12/11 14:21	08/14/11 21:17	67-66-3	
Chloromethane	ND	mg/kg	0.77	0.13	1	08/12/11 14:21	08/14/11 21:17	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.19	0.026	1	08/12/11 14:21	08/14/11 21:17	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.19	0.026	1	08/12/11 14:21	08/14/11 21:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.77	0.14	1	08/12/11 14:21	08/14/11 21:17	96-12-8	
Dibromochloromethane	ND	mg/kg	0.19	0.041	1	08/12/11 14:21	08/14/11 21:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.19	0.060	1	08/12/11 14:21	08/14/11 21:17	106-93-4	
Dibromomethane	ND	mg/kg	0.19	0.077	1	08/12/11 14:21	08/14/11 21:17	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.19	0.060	1	08/12/11 14:21	08/14/11 21:17	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.19	0.025	1	08/12/11 14:21	08/14/11 21:17	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.19	0.034	1	08/12/11 14:21	08/14/11 21:17	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.19	0.058	1	08/12/11 14:21	08/14/11 21:17	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.19	0.066	1	08/12/11 14:21	08/14/11 21:17	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.19	0.049	1	08/12/11 14:21	08/14/11 21:17	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.19	0.098	1	08/12/11 14:21	08/14/11 21:17	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.19	0.065	1	08/12/11 14:21	08/14/11 21:17	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.19	0.055	1	08/12/11 14:21	08/14/11 21:17	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8 **Lab ID: 10166204020** Collected: 08/09/11 16:45 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	1.9	0.10	1	08/12/11 14:21	08/14/11 21:17	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.19	0.084	1	08/12/11 14:21	08/14/11 21:17	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.19	0.032	1	08/12/11 14:21	08/14/11 21:17	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.77	0.078	1	08/12/11 14:21	08/14/11 21:17	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.19	0.043	1	08/12/11 14:21	08/14/11 21:17	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.19	0.034	1	08/12/11 14:21	08/14/11 21:17	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.19	0.036	1	08/12/11 14:21	08/14/11 21:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.77	0.13	1	08/12/11 14:21	08/14/11 21:17	60-29-7	
Ethylbenzene	ND	mg/kg	0.19	0.011	1	08/12/11 14:21	08/14/11 21:17	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.96	0.022	1	08/12/11 14:21	08/14/11 21:17	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.19	0.024	1	08/12/11 14:21	08/14/11 21:17	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.19	0.033	1	08/12/11 14:21	08/14/11 21:17	99-87-6	
Methylene Chloride	ND	mg/kg	0.77	0.38	1	08/12/11 14:21	08/14/11 21:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.9	0.96	1	08/12/11 14:21	08/14/11 21:17	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.19	0.064	1	08/12/11 14:21	08/14/11 21:17	1634-04-4	
Naphthalene	ND	mg/kg	0.77	0.033	1	08/12/11 14:21	08/14/11 21:17	91-20-3	
n-Propylbenzene	ND	mg/kg	0.19	0.015	1	08/12/11 14:21	08/14/11 21:17	103-65-1	
Styrene	ND	mg/kg	0.19	0.024	1	08/12/11 14:21	08/14/11 21:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.19	0.047	1	08/12/11 14:21	08/14/11 21:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.19	0.045	1	08/12/11 14:21	08/14/11 21:17	79-34-5	
Tetrachloroethene	ND	mg/kg	0.19	0.051	1	08/12/11 14:21	08/14/11 21:17	127-18-4	
Tetrahydrofuran	ND	mg/kg	7.7	0.57	1	08/12/11 14:21	08/14/11 21:17	109-99-9	
Toluene	ND	mg/kg	0.19	0.029	1	08/12/11 14:21	08/14/11 21:17	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.19	0.054	1	08/12/11 14:21	08/14/11 21:17	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.19	0.042	1	08/12/11 14:21	08/14/11 21:17	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.19	0.025	1	08/12/11 14:21	08/14/11 21:17	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.19	0.083	1	08/12/11 14:21	08/14/11 21:17	79-00-5	
Trichloroethene	ND	mg/kg	0.19	0.063	1	08/12/11 14:21	08/14/11 21:17	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.77	0.095	1	08/12/11 14:21	08/14/11 21:17	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.77	0.061	1	08/12/11 14:21	08/14/11 21:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.19	0.077	1	08/12/11 14:21	08/14/11 21:17	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.19	0.028	1	08/12/11 14:21	08/14/11 21:17	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.19	0.026	1	08/12/11 14:21	08/14/11 21:17	108-67-8	
Vinyl chloride	ND	mg/kg	0.077	0.036	1	08/12/11 14:21	08/14/11 21:17	75-01-4	
Xylene (Total)	ND	mg/kg	0.58	0.10	1	08/12/11 14:21	08/14/11 21:17	1330-20-7	
Dibromofluoromethane (S)	165	%	30-150		1	08/12/11 14:21	08/14/11 21:17	1868-53-7	S3
1,2-Dichloroethane-d4 (S)	155	%	30-150		1	08/12/11 14:21	08/14/11 21:17	17060-07-0	S3
Toluene-d8 (S)	153	%	30-150		1	08/12/11 14:21	08/14/11 21:17	2037-26-5	S3
4-Bromofluorobenzene (S)	158	%	30-150		1	08/12/11 14:21	08/14/11 21:17	460-00-4	S3

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8.5W **Lab ID: 10166204021** Collected: 08/09/11 17:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.11	0.056	1	08/12/11 07:17	08/17/11 15:31		
n-Triacontane (S)	111	%	50-150		1	08/12/11 07:17	08/17/11 15:31		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/15/11 15:08		
a,a,a-Trifluorotoluene (S)	103	%	80-125		1		08/15/11 15:08	98-08-8	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	111-44-4	
2-Chlorophenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.1	1.5	1	08/16/11 14:17	08/18/11 20:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.1	1.2	1	08/16/11 14:17	08/18/11 20:15	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	108-60-1	
3&4-Methylphenol	ND	ug/L	20.2	10.1	1	08/16/11 14:17	08/18/11 20:15		
N-Nitroso-di-n-propylamine	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	621-64-7	
Hexachloroethane	ND	ug/L	10.1	1.5	1	08/16/11 14:17	08/18/11 20:15	67-72-1	
Nitrobenzene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	98-95-3	
Isophorone	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	78-59-1	
2-Nitrophenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.1	4.3	1	08/16/11 14:17	08/18/11 20:15	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	120-82-1	
Naphthalene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	91-20-3	
4-Chloroaniline	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	91-58-7	
2-Nitroaniline	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	88-74-4	
Dimethylphthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	131-11-3	
Acenaphthylene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	606-20-2	
3-Nitroaniline	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	99-09-2	
Acenaphthene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	83-32-9	
2,4-Dinitrophenol	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	51-28-5	
4-Nitrophenol	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	100-02-7	
Dibenzofuran	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	121-14-2	
Diethylphthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	7005-72-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8.5W **Lab ID: 10166204021** Collected: 08/09/11 17:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Fluorene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	86-73-7	
4-Nitroaniline	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.5	25.3	1	08/16/11 14:17	08/18/11 20:15	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	101-55-3	
Hexachlorobenzene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	118-74-1	
Pentachlorophenol	ND	ug/L	23.2	11.6	1	08/16/11 14:17	08/18/11 20:15	87-86-5	
Phenanthrene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	85-01-8	
Anthracene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	84-74-2	
Fluoranthene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	206-44-0	
Pyrene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.2	10.1	1	08/16/11 14:17	08/18/11 20:15	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	56-55-3	
Chrysene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	20.2	10.1	1	08/16/11 14:17	08/18/11 20:15	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.1	3.1	1	08/16/11 14:17	08/18/11 20:15	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	122-66-7	
Carbazole	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.1	5.1	1	08/16/11 14:17	08/18/11 20:15	90-12-0	
Nitrobenzene-d5 (S)	82	%	30-150		1	08/16/11 14:17	08/18/11 20:15	4165-60-0	
2-Fluorobiphenyl (S)	84	%	30-150		1	08/16/11 14:17	08/18/11 20:15	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/16/11 14:17	08/18/11 20:15	1718-51-0	
Phenol-d6 (S)	82	%	30-150		1	08/16/11 14:17	08/18/11 20:15	13127-88-3	
2-Fluorophenol (S)	73	%	30-148		1	08/16/11 14:17	08/18/11 20:15	367-12-4	
2,4,6-Tribromophenol (S)	95	%	30-150		1	08/16/11 14:17	08/18/11 20:15	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/13/11 05:52	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/13/11 05:52	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/13/11 05:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/13/11 05:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/13/11 05:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/13/11 05:52	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/13/11 05:52	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/13/11 05:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/13/11 05:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:52	104-51-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8.5W **Lab ID: 10166204021** Collected: 08/09/11 17:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/13/11 05:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/13/11 05:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/13/11 05:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/13/11 05:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/13/11 05:52	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/13/11 05:52	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/13/11 05:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/13/11 05:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/13/11 05:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/13/11 05:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/13/11 05:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/13/11 05:52	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/13/11 05:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/13/11 05:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/13/11 05:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/13/11 05:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/13/11 05:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/13/11 05:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/13/11 05:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/13/11 05:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/13/11 05:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/13/11 05:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/13/11 05:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/13/11 05:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/13/11 05:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/13/11 05:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/13/11 05:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/13/11 05:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/13/11 05:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/13/11 05:52	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/13/11 05:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/13/11 05:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/13/11 05:52	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/13/11 05:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/13/11 05:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/13/11 05:52	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/13/11 05:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/13/11 05:52	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/13/11 05:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/13/11 05:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/13/11 05:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/13/11 05:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/13/11 05:52	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/13/11 05:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/13/11 05:52	87-61-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-14-8.5W **Lab ID: 10166204021** Collected: 08/09/11 17:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/13/11 05:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/13/11 05:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/13/11 05:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/13/11 05:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/13/11 05:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/13/11 05:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/13/11 05:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/13/11 05:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/13/11 05:52	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/13/11 05:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/13/11 05:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/13/11 05:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/13/11 05:52	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/13/11 05:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125		1		08/13/11 05:52	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/13/11 05:52	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125		1		08/13/11 05:52	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-15W **Lab ID: 10166204022** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**23.6**	mg/L	1.1	0.57	10	08/12/11 07:17	08/17/11 17:04		
n-Triacontane (S)	0	%	50-150		10	08/12/11 07:17	08/17/11 17:04		P4,S4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	**6820**	ug/L	500	65.0	5		08/15/11 22:01		
a,a,a-Trifluorotoluene (S)	102	%	80-125		5		08/15/11 22:01	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/15/11 11:59	08/15/11 16:35	7440-38-2	
Barium	**114**	ug/L	10.0	0.37	1	08/15/11 11:59	08/15/11 16:35	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/15/11 11:59	08/15/11 16:35	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/15/11 11:59	08/15/11 16:35	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/15/11 11:59	08/15/11 16:35	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/15/11 11:59	08/15/11 16:35	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/15/11 11:59	08/15/11 16:35	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/15/11 11:47	08/16/11 08:01	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	111-44-4	
2-Chlorophenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	2750	420	50	08/16/11 14:17	08/19/11 00:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2750	338	50	08/16/11 14:17	08/19/11 00:11	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	108-60-1	
3&4-Methylphenol	ND	ug/L	5490	2750	50	08/16/11 14:17	08/19/11 00:11		
N-Nitroso-di-n-propylamine	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	621-64-7	
Hexachloroethane	ND	ug/L	2750	415	50	08/16/11 14:17	08/19/11 00:11	67-72-1	
Nitrobenzene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	98-95-3	
Isophorone	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	78-59-1	
2-Nitrophenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	88-75-5	
2,4-Dimethylphenol	ND	ug/L	2750	1160	50	08/16/11 14:17	08/19/11 00:11	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	111-91-1	
2,4-Dichlorophenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	120-82-1	
Naphthalene	**16100**	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	91-20-3	
4-Chloroaniline	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	59-50-7	
2-Methylnaphthalene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-15W **Lab ID: 10166204022** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	91-58-7	
2-Nitroaniline	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	88-74-4	
Dimethylphthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	131-11-3	
Acenaphthylene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	606-20-2	
3-Nitroaniline	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	99-09-2	
Acenaphthene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	83-32-9	
2,4-Dinitrophenol	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	51-28-5	
4-Nitrophenol	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	100-02-7	
Dibenzofuran	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	121-14-2	
Diethylphthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	7005-72-3	
Fluorene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	86-73-7	
4-Nitroaniline	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	13700	6870	50	08/16/11 14:17	08/19/11 00:11	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	101-55-3	
Hexachlorobenzene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	118-74-1	
Pentachlorophenol	ND	ug/L	6320	3160	50	08/16/11 14:17	08/19/11 00:11	87-86-5	
Phenanthrene	**4720**	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	85-01-8	
Anthracene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	120-12-7	
Di-n-butylphthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	84-74-2	
Fluoranthene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	206-44-0	
Pyrene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	129-00-0	
Butylbenzylphthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	5490	2750	50	08/16/11 14:17	08/19/11 00:11	91-94-1	
Benzo(a)anthracene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	56-55-3	
Chrysene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	117-81-7	
Di-n-octylphthalate	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	207-08-9	
Benzo(a)pyrene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	5490	2750	50	08/16/11 14:17	08/19/11 00:11	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	2750	846	50	08/16/11 14:17	08/19/11 00:11	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	122-66-7	
Carbazole	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	86-74-8	
1-Methylnaphthalene	ND	ug/L	2750	1370	50	08/16/11 14:17	08/19/11 00:11	90-12-0	
Nitrobenzene-d5 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:11	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:11	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:11	1718-51-0	S4
Phenol-d6 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:11	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-148		50	08/16/11 14:17	08/19/11 00:11	367-12-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-15W **Lab ID: 10166204022** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:11	118-79-6	S4
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		08/13/11 07:29	67-64-1	CL
Allyl chloride	ND	ug/L	200	25.5	50		08/13/11 07:29	107-05-1	
Benzene	**94.4**	ug/L	50.0	18.0	50		08/13/11 07:29	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		08/13/11 07:29	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		08/13/11 07:29	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		08/13/11 07:29	75-27-4	
Bromoform	ND	ug/L	200	100	50		08/13/11 07:29	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		08/13/11 07:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	100	50		08/13/11 07:29	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		08/13/11 07:29	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		08/13/11 07:29	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		08/13/11 07:29	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		08/13/11 07:29	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		08/13/11 07:29	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		08/13/11 07:29	75-00-3	
Chloroform	ND	ug/L	50.0	17.0	50		08/13/11 07:29	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		08/13/11 07:29	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		08/13/11 07:29	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		08/13/11 07:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		08/13/11 07:29	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		08/13/11 07:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		08/13/11 07:29	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		08/13/11 07:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		08/13/11 07:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		08/13/11 07:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		08/13/11 07:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		08/13/11 07:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		08/13/11 07:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		08/13/11 07:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		08/13/11 07:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		08/13/11 07:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		08/13/11 07:29	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		08/13/11 07:29	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		08/13/11 07:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		08/13/11 07:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		08/13/11 07:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		08/13/11 07:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		08/13/11 07:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		08/13/11 07:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		08/13/11 07:29	60-29-7	
Ethylbenzene	**64.5**	ug/L	50.0	19.0	50		08/13/11 07:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		08/13/11 07:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		08/13/11 07:29	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: GP-12-15W **Lab ID: 10166204022** Collected: 08/09/11 15:00 Received: 08/10/11 17:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		08/13/11 07:29	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		08/13/11 07:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		08/13/11 07:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		08/13/11 07:29	1634-04-4	
Naphthalene	**10400**	ug/L	200	28.5	50		08/13/11 07:29	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		08/13/11 07:29	103-65-1	
Styrene	ND	ug/L	50.0	17.5	50		08/13/11 07:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		08/13/11 07:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		08/13/11 07:29	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		08/13/11 07:29	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		08/13/11 07:29	109-99-9	
Toluene	ND	ug/L	50.0	19.5	50		08/13/11 07:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		08/13/11 07:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		08/13/11 07:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		08/13/11 07:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		08/13/11 07:29	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		08/13/11 07:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		08/13/11 07:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		08/13/11 07:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		08/13/11 07:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	13.0	50		08/13/11 07:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	19.0	50		08/13/11 07:29	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		08/13/11 07:29	75-01-4	
Xylene (Total)	ND	ug/L	150	56.0	50		08/13/11 07:29	1330-20-7	
m&p-Xylene	ND	ug/L	100	33.0	50		08/13/11 07:29	179601-23-1	
o-Xylene	ND	ug/L	50.0	23.0	50		08/13/11 07:29	95-47-6	
Dibromofluoromethane (S)	103	%	75-125		50		08/13/11 07:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125		50		08/13/11 07:29	17060-07-0	
Toluene-d8 (S)	99	%	75-125		50		08/13/11 07:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		50		08/13/11 07:29	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: Trip Blank **Lab ID: 10166204024** Collected: 08/09/11 00:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.0	2.2	1	08/12/11 08:28	08/15/11 14:53		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/12/11 08:28	08/15/11 14:53	98-08-8	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.50	0.25	1	08/12/11 14:21	08/14/11 14:03	67-64-1	
Allyl chloride	ND	mg/kg	0.20	0.066	1	08/12/11 14:21	08/14/11 14:03	107-05-1	
Benzene	ND	mg/kg	0.020	0.0099	1	08/12/11 14:21	08/14/11 14:03	71-43-2	
Bromobenzene	ND	mg/kg	0.050	0.015	1	08/12/11 14:21	08/14/11 14:03	108-86-1	
Bromochloromethane	ND	mg/kg	0.050	0.023	1	08/12/11 14:21	08/14/11 14:03	74-97-5	
Bromodichloromethane	ND	mg/kg	0.050	0.020	1	08/12/11 14:21	08/14/11 14:03	75-27-4	
Bromoform	ND	mg/kg	0.20	0.050	1	08/12/11 14:21	08/14/11 14:03	75-25-2	
Bromomethane	ND	mg/kg	0.50	0.076	1	08/12/11 14:21	08/14/11 14:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.50	0.25	1	08/12/11 14:21	08/14/11 14:03	78-93-3	
n-Butylbenzene	ND	mg/kg	0.050	0.0047	1	08/12/11 14:21	08/14/11 14:03	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.050	0.0054	1	08/12/11 14:21	08/14/11 14:03	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.050	0.0063	1	08/12/11 14:21	08/14/11 14:03	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.050	0.012	1	08/12/11 14:21	08/14/11 14:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.050	0.011	1	08/12/11 14:21	08/14/11 14:03	108-90-7	
Chloroethane	ND	mg/kg	0.50	0.12	1	08/12/11 14:21	08/14/11 14:03	75-00-3	
Chloroform	ND	mg/kg	0.050	0.011	1	08/12/11 14:21	08/14/11 14:03	67-66-3	
Chloromethane	ND	mg/kg	0.20	0.033	1	08/12/11 14:21	08/14/11 14:03	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/12/11 14:21	08/14/11 14:03	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/12/11 14:21	08/14/11 14:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.20	0.038	1	08/12/11 14:21	08/14/11 14:03	96-12-8	
Dibromochloromethane	ND	mg/kg	0.050	0.011	1	08/12/11 14:21	08/14/11 14:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.050	0.016	1	08/12/11 14:21	08/14/11 14:03	106-93-4	
Dibromomethane	ND	mg/kg	0.050	0.020	1	08/12/11 14:21	08/14/11 14:03	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.050	0.016	1	08/12/11 14:21	08/14/11 14:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.050	0.0064	1	08/12/11 14:21	08/14/11 14:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.050	0.0090	1	08/12/11 14:21	08/14/11 14:03	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.050	0.015	1	08/12/11 14:21	08/14/11 14:03	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.050	0.017	1	08/12/11 14:21	08/14/11 14:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.050	0.013	1	08/12/11 14:21	08/14/11 14:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.050	0.025	1	08/12/11 14:21	08/14/11 14:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.050	0.017	1	08/12/11 14:21	08/14/11 14:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.050	0.014	1	08/12/11 14:21	08/14/11 14:03	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.50	0.026	1	08/12/11 14:21	08/14/11 14:03	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.050	0.022	1	08/12/11 14:21	08/14/11 14:03	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.050	0.0083	1	08/12/11 14:21	08/14/11 14:03	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.20	0.020	1	08/12/11 14:21	08/14/11 14:03	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.050	0.011	1	08/12/11 14:21	08/14/11 14:03	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.050	0.0087	1	08/12/11 14:21	08/14/11 14:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.050	0.0093	1	08/12/11 14:21	08/14/11 14:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.20	0.034	1	08/12/11 14:21	08/14/11 14:03	60-29-7	
Ethylbenzene	ND	mg/kg	0.050	0.0028	1	08/12/11 14:21	08/14/11 14:03	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166204

Sample: Trip Blank **Lab ID: 10166204024** Collected: 08/09/11 00:00 Received: 08/10/11 17:46 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	0.25	0.0057	1	08/12/11 14:21	08/14/11 14:03	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.050	0.0063	1	08/12/11 14:21	08/14/11 14:03	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.050	0.0086	1	08/12/11 14:21	08/14/11 14:03	99-87-6	
Methylene Chloride	ND	mg/kg	0.20	0.10	1	08/12/11 14:21	08/14/11 14:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.50	0.25	1	08/12/11 14:21	08/14/11 14:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.050	0.017	1	08/12/11 14:21	08/14/11 14:03	1634-04-4	
Naphthalene	ND	mg/kg	0.20	0.0086	1	08/12/11 14:21	08/14/11 14:03	91-20-3	
n-Propylbenzene	ND	mg/kg	0.050	0.0040	1	08/12/11 14:21	08/14/11 14:03	103-65-1	
Styrene	ND	mg/kg	0.050	0.0063	1	08/12/11 14:21	08/14/11 14:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/12/11 14:21	08/14/11 14:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/12/11 14:21	08/14/11 14:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.050	0.013	1	08/12/11 14:21	08/14/11 14:03	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.0	0.15	1	08/12/11 14:21	08/14/11 14:03	109-99-9	
Toluene	ND	mg/kg	0.050	0.0075	1	08/12/11 14:21	08/14/11 14:03	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.050	0.014	1	08/12/11 14:21	08/14/11 14:03	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.050	0.011	1	08/12/11 14:21	08/14/11 14:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.050	0.0065	1	08/12/11 14:21	08/14/11 14:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.050	0.022	1	08/12/11 14:21	08/14/11 14:03	79-00-5	
Trichloroethene	ND	mg/kg	0.050	0.016	1	08/12/11 14:21	08/14/11 14:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.20	0.025	1	08/12/11 14:21	08/14/11 14:03	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.20	0.016	1	08/12/11 14:21	08/14/11 14:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.050	0.020	1	08/12/11 14:21	08/14/11 14:03	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.050	0.0074	1	08/12/11 14:21	08/14/11 14:03	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.050	0.0066	1	08/12/11 14:21	08/14/11 14:03	108-67-8	
Vinyl chloride	ND	mg/kg	0.020	0.0093	1	08/12/11 14:21	08/14/11 14:03	75-01-4	
Xylene (Total)	ND	mg/kg	0.15	0.027	1	08/12/11 14:21	08/14/11 14:03	1330-20-7	
Dibromofluoromethane (S)	103	%	30-150		1	08/12/11 14:21	08/14/11 14:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	30-150		1	08/12/11 14:21	08/14/11 14:03	17060-07-0	
Toluene-d8 (S)	96	%	30-150		1	08/12/11 14:21	08/14/11 14:03	2037-26-5	
4-Bromofluorobenzene (S)	100	%	30-150		1	08/12/11 14:21	08/14/11 14:03	460-00-4	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16330 Analysis Method: EPA 8082
QC Batch Method: EPA 3550 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 10166204019, 10166204020

METHOD BLANK: 1033159 Matrix: Solid
Associated Lab Samples: 10166204019, 10166204020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1262 (Aroclor 1262)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1268 (Aroclor 1268)	mg/kg	ND	0.033	08/17/11 02:56	
Decachlorobiphenyl (S)	%	94	30-150	08/17/11 02:56	
Tetrachloro-m-xylene (S)	%	93	30-150	08/17/11 02:56	

LABORATORY CONTROL SAMPLE: 1033160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.67	0.65	97	68-125	
PCB-1260 (Aroclor 1260)	mg/kg	.67	0.64	97	70-125	
Decachlorobiphenyl (S)	%			97	30-150	
Tetrachloro-m-xylene (S)	%			94	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033161 1033162

Parameter	Units	10166204019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	ND	.82	.82	0.73	0.77	87	93	55-128	7	30	
PCB-1260 (Aroclor 1260)	mg/kg	ND	.82	.82	0.72	0.73	87	88	30-149	.4	30	
Decachlorobiphenyl (S)	%						89	89	30-150			
Tetrachloro-m-xylene (S)	%						86	87	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16516
QC Batch Method: EPA 3550
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 10166204017

METHOD BLANK: 1045338 Matrix: Solid
Associated Lab Samples: 10166204017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1262 (Aroclor 1262)	mg/kg	ND	0.033	08/31/11 19:47	
PCB-1268 (Aroclor 1268)	mg/kg	ND	0.033	08/31/11 19:47	
Decachlorobiphenyl (S)	%	83	30-150	08/31/11 19:47	
Tetrachloro-m-xylene (S)	%	80	30-150	08/31/11 19:47	

LABORATORY CONTROL SAMPLE: 1045339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.67	0.58	87	68-125	
PCB-1260 (Aroclor 1260)	mg/kg	.67	0.55	83	70-125	
Decachlorobiphenyl (S)	%			86	30-150	
Tetrachloro-m-xylene (S)	%			87	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1045340 1045341

Parameter	Units	10166204017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	ND	2.2	2.2	6.4	5.6	295	255	55-128	14	30	M3
PCB-1260 (Aroclor 1260)	mg/kg	ND	2.2	2.2	3.7	3.4	170	156	30-149	8	30	M3
Decachlorobiphenyl (S)	%						130	114	30-150			
Tetrachloro-m-xylene (S)	%						101	92	30-150			D3,H2

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16328 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204017, 10166204019

METHOD BLANK: 1033152 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204017, 10166204019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	08/16/11 10:56	
n-Triacontane (S)	%	63	50-150	08/16/11 10:56	

LABORATORY CONTROL SAMPLE & LCSD: 1033153 1033154

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	61.0	61.7	76	77	70-120	1	20	
n-Triacontane (S)	%				61	61	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16678 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO Solid GCV
Associated Lab Samples: 10166204005, 10166204006, 10166204008

METHOD BLANK: 1056751 Matrix: Solid
Associated Lab Samples: 10166204005, 10166204006, 10166204008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	10.0	09/19/11 12:48	
n-Triacontane (S)	%	56	38-125	09/19/11 12:48	

LABORATORY CONTROL SAMPLE & LCSD: 1056752 1056753

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	45.2	51.2	57	64	70-125	12	20	C0,L0
n-Triacontane (S)	%				58	62	38-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16314 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166204004, 10166204010, 10166204021, 10166204022

METHOD BLANK: 1031864 Matrix: Water
Associated Lab Samples: 10166204004, 10166204010, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/L	ND	0.10	08/17/11 10:59	
n-Triacontane (S)	%	74	50-150	08/17/11 10:59	

LABORATORY CONTROL SAMPLE & LCSD: 1031865 1031866

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/L	2	1.5	1.8	76	88	75-115	15	20	
n-Triacontane (S)	%				90	105	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: GCV/8292 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204017, 10166204019, 10166204024

METHOD BLANK: 1031874 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204017, 10166204019, 10166204024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/15/11 11:21	
a,a,a-Trifluorotoluene (S)	%	98	80-125	08/15/11 11:21	

LABORATORY CONTROL SAMPLE & LCSD: 1031875 1031876

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	50.1	49.0	100	98	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				99	101	80-125			

MATRIX SPIKE SAMPLE: 1031877

Parameter	Units	10166204008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	53.3	50.2	93	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-125	

SAMPLE DUPLICATE: 1031878

Parameter	Units	10166204019 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	100	99	3		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: GCV/8295 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10166204004, 10166204010, 10166204021, 10166204022

METHOD BLANK: 1032324 Matrix: Water
Associated Lab Samples: 10166204004, 10166204010, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/15/11 13:20	
a,a,a-Trifluorotoluene (S)	%	102	80-125	08/15/11 13:20	

LABORATORY CONTROL SAMPLE & LCSD: 1032325 1032326

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	984	941	98	94	80-120	4	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033644 1033645

Parameter	Units	10166267002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	ug/L	10700	10000	10000	19400	21000	87	102	80-120	8	20	
a,a,a-Trifluorotoluene (S)	%						103	101	80-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MPRP/27692 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

METHOD BLANK: 1031842 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.41	08/15/11 16:36	
Barium	mg/kg	ND	0.41	08/15/11 16:36	
Cadmium	mg/kg	ND	0.041	08/15/11 16:36	
Chromium	mg/kg	ND	0.41	08/15/11 16:36	
Lead	mg/kg	ND	0.25	08/15/11 16:36	
Selenium	mg/kg	ND	0.62	08/15/11 16:36	
Silver	mg/kg	ND	0.41	08/15/11 16:36	

LABORATORY CONTROL SAMPLE: 1031843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	46.7	38.4	82	80-120	
Barium	mg/kg	46.7	41.5	89	80-120	
Cadmium	mg/kg	46.7	39.1	84	80-120	
Chromium	mg/kg	46.7	41.3	88	80-120	
Lead	mg/kg	46.7	41.0	88	80-120	
Selenium	mg/kg	46.7	38.1	82	80-120	
Silver	mg/kg	23.4	19.8	85	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031844 1031845

Parameter	Units	10166204001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.5	115	83.9	93.2	82.0	76	91	75-125	13	30	
Barium	mg/kg	42.6	115	83.9	153	141	96	117	75-125	9	30	
Cadmium	mg/kg	0.51	115	83.9	93.8	70.7	81	84	75-125	28	30	
Chromium	mg/kg	3.1	115	83.9	95.3	80.1	80	92	75-125	17	30	
Lead	mg/kg	93.1	115	83.9	361	639	233	650	75-125	56	30	D6,M1
Selenium	mg/kg	3.1	115	83.9	93.0	73.3	78	84	75-125	24	30	
Silver	mg/kg	ND	57.5	41.9	47.0	34.8	82	83	75-125	30	30	

MATRIX SPIKE SAMPLE: 1031846

Parameter	Units	10166204020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	ND	89.1	73.9	83	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE SAMPLE: 1031846

Parameter	Units	10166204020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	29.2	89.1	104	84	75-125	
Cadmium	mg/kg	ND	89.1	77.0	86	75-125	
Chromium	mg/kg	1.6	89.1	78.8	87	75-125	
Lead	mg/kg	1.6	89.1	76.7	84	75-125	
Selenium	mg/kg	1.2	89.1	79.3	88	75-125	
Silver	mg/kg	ND	44.5	38.8	87	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MPRP/28156
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10166204017

METHOD BLANK: 1046338 Matrix: Water
Associated Lab Samples: 10166204017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.015	09/02/11 09:07	

LABORATORY CONTROL SAMPLE: 1046339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	1	0.95	95	80-120	

MATRIX SPIKE SAMPLE: 1046340

Parameter	Units	10166204017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	ND	1	0.89	89	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1046341 1046342

Parameter	Units	10167937005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	1	1	0.86	0.91	86	90	75-125	5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MPRP/27731 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10166204004, 10166204010, 10166204022

METHOD BLANK: 1033125 Matrix: Water
Associated Lab Samples: 10166204004, 10166204010, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/15/11 16:00	
Barium	ug/L	ND	10.0	08/15/11 16:00	
Cadmium	ug/L	ND	1.0	08/15/11 16:00	
Chromium	ug/L	ND	10.0	08/15/11 16:00	
Lead	ug/L	ND	3.0	08/15/11 16:00	
Selenium	ug/L	ND	15.0	08/15/11 16:00	
Silver	ug/L	ND	10.0	08/15/11 16:00	

LABORATORY CONTROL SAMPLE: 1033126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	915	91	80-120	
Barium	ug/L	1000	924	92	80-120	
Cadmium	ug/L	1000	912	91	80-120	
Chromium	ug/L	1000	912	91	80-120	
Lead	ug/L	1000	901	90	80-120	
Selenium	ug/L	1000	883	88	80-120	
Silver	ug/L	500	461	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033127 1033128

Parameter	Units	10166204004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	959	919	95	91	80-120	4	30	
Barium	ug/L	41.1	1000	1000	959	908	92	87	80-120	5	30	
Cadmium	ug/L	ND	1000	1000	941	891	94	89	80-120	5	30	
Chromium	ug/L	ND	1000	1000	922	875	92	87	80-120	5	30	
Lead	ug/L	5.2	1000	1000	900	855	89	85	80-120	5	30	
Selenium	ug/L	ND	1000	1000	850	825	85	82	80-120	3	30	
Silver	ug/L	ND	500	500	478	452	96	90	80-120	6	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MERP/5798 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 10166204004, 10166204010, 10166204022

METHOD BLANK: 1032660 Matrix: Water
Associated Lab Samples: 10166204004, 10166204010, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/16/11 07:47	

LABORATORY CONTROL SAMPLE: 1032661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1032662 1032663

Parameter	Units	10166119002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.6	5.6	111	112	80-120	.9	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MERP/5786 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009

METHOD BLANK: 1031847 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.019	08/16/11 14:21	

LABORATORY CONTROL SAMPLE: 1031848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.45	0.45	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031849 1031850

Parameter	Units	10165911001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.53	.52	0.54	0.54	100	103	80-120	.9	20	

MATRIX SPIKE SAMPLE: 1031851

Parameter	Units	10166204009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.54	0.34	61	80-120	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MERP/5787 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

METHOD BLANK: 1031852 Matrix: Solid
Associated Lab Samples: 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	08/15/11 14:52	

LABORATORY CONTROL SAMPLE: 1031853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.44	0.45	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1031854 1031855

Parameter	Units	10165753001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.047	.64	.6	0.71	0.67	103	102	80-120	7	20	

MATRIX SPIKE SAMPLE: 1031856

Parameter	Units	10166204020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.92	0.79	84	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MPRP/27795 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018

SAMPLE DUPLICATE: 1034887

Parameter	Units	10166264007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.1	10.7	4	30	

SAMPLE DUPLICATE: 1034901

Parameter	Units	10166204001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	56.5	58.6	4	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MPRP/27799
QC Batch Method: % Moisture
Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10166204019, 10166204020

SAMPLE DUPLICATE: 1034954

Parameter	Units	10166111001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.6	18.0	3	30	

SAMPLE DUPLICATE: 1034955

Parameter	Units	10166284017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.4	13.1	5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16347 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

METHOD BLANK: 1033964 Matrix: Solid
Associated Lab Samples: 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/17/11 14:12	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1-Methylnaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/17/11 14:12	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/17/11 14:12	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/17/11 14:12	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/17/11 14:12	
2-Chloronaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2-Chlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2-Methylnaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/17/11 14:12	
2-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
2-Nitrophenol	mg/kg	ND	0.33	08/17/11 14:12	
3&4-Methylphenol	mg/kg	ND	0.66	08/17/11 14:12	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/17/11 14:12	
3-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/17/11 14:12	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/17/11 14:12	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/17/11 14:12	
4-Chloroaniline	mg/kg	ND	0.33	08/17/11 14:12	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/17/11 14:12	
4-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
4-Nitrophenol	mg/kg	ND	1.7	08/17/11 14:12	
Acenaphthene	mg/kg	ND	0.33	08/17/11 14:12	
Acenaphthylene	mg/kg	ND	0.33	08/17/11 14:12	
Anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(a)anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(a)pyrene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/17/11 14:12	
Butylbenzylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Carbazole	mg/kg	ND	0.33	08/17/11 14:12	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1033964 Matrix: Solid

Associated Lab Samples: 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	mg/kg	ND	0.33	08/17/11 14:12	
Di-n-butylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Di-n-octylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Dibenzofuran	mg/kg	ND	0.33	08/17/11 14:12	
Diethylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Dimethylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
Fluorene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachloroethane	mg/kg	ND	0.33	08/17/11 14:12	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/17/11 14:12	
Isophorone	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/17/11 14:12	
Naphthalene	mg/kg	ND	0.33	08/17/11 14:12	
Nitrobenzene	mg/kg	ND	0.33	08/17/11 14:12	
Pentachlorophenol	mg/kg	ND	0.67	08/17/11 14:12	
Phenanthrene	mg/kg	ND	0.33	08/17/11 14:12	
Phenol	mg/kg	ND	0.33	08/17/11 14:12	
Pyrene	mg/kg	ND	0.33	08/17/11 14:12	
2,4,6-Tribromophenol (S)	%	92	30-150	08/17/11 14:12	
2-Fluorobiphenyl (S)	%	82	30-150	08/17/11 14:12	
2-Fluorophenol (S)	%	73	30-147	08/17/11 14:12	
Nitrobenzene-d5 (S)	%	82	50-120	08/17/11 14:12	
Phenol-d6 (S)	%	73	30-149	08/17/11 14:12	
Terphenyl-d14 (S)	%	85	30-150	08/17/11 14:12	

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.4	81	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.2	74	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.6J	94	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.2	75	57-125	
1,4-Dichlorobenzene	mg/kg	1.7	1.3	75	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.3	77	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.5J	90	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.5	88	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.4	83	62-125	
2,4-Dimethylphenol	mg/kg	1.7	1.3	81	44-125	
2,4-Dinitrophenol	mg/kg	1.7	1.5J	88	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.5	88	63-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	mg/kg	1.7	1.4	85	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.4	81	64-125	
2-Chlorophenol	mg/kg	1.7	1.2	74	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.3	78	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.2	73	57-125	
2-Nitroaniline	mg/kg	1.7	1.5J	88	63-125	
2-Nitrophenol	mg/kg	1.7	1.3	76	57-125	
3&4-Methylphenol	mg/kg	1.7	1.2	73	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.3	78	30-125	
3-Nitroaniline	mg/kg	1.7	1.3J	77	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.4J	85	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.5	87	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.4	84	66-125	
4-Chloroaniline	mg/kg	1.7	1.1	67	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.5	92	67-125	
4-Nitroaniline	mg/kg	1.7	1.3J	78	54-125	
4-Nitrophenol	mg/kg	1.7	1.5J	87	51-125	
Acenaphthene	mg/kg	1.7	1.4	81	64-125	
Acenaphthylene	mg/kg	1.7	1.4	82	65-125	
Anthracene	mg/kg	1.7	1.5	87	66-125	
Benzo(a)anthracene	mg/kg	1.7	1.4	82	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.5	87	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.5	88	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	87	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.5	88	68-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.2	72	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.1	68	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.0	61	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.5	92	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.3	79	65-125	
Carbazole	mg/kg	1.7	1.4	84	65-125	
Chrysene	mg/kg	1.7	1.4	81	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.5	92	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.5	93	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	89	66-125	
Dibenzofuran	mg/kg	1.7	1.4	85	66-125	
Diethylphthalate	mg/kg	1.7	1.5	92	68-125	
Dimethylphthalate	mg/kg	1.7	1.5	88	68-125	
Fluoranthene	mg/kg	1.7	1.5	91	65-125	
Fluorene	mg/kg	1.7	1.5	89	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.5	90	60-125	
Hexachlorobenzene	mg/kg	1.7	1.4	87	67-125	
Hexachloroethane	mg/kg	1.7	1.3	80	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	88	66-125	
Isophorone	mg/kg	1.7	1.3	77	61-125	
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.2	74	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.1	68	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.4	86	66-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.3	77	61-125	
Nitrobenzene	mg/kg	1.7	1.3	80	59-125	
Pentachlorophenol	mg/kg	1.7	1.3	80	30-126	
Phenanthrene	mg/kg	1.7	1.4	86	68-125	
Phenol	mg/kg	1.7	1.2	71	58-125	
Pyrene	mg/kg	1.7	1.3	80	66-125	
2,4,6-Tribromophenol (S)	%			94	30-150	
2-Fluorobiphenyl (S)	%			80	30-150	
2-Fluorophenol (S)	%			71	30-147	
Nitrobenzene-d5 (S)	%			79	50-120	
Phenol-d6 (S)	%			71	30-149	
Terphenyl-d14 (S)	%			78	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	1.9	1.9	1.6	1.5	88	82	30-138	7	30	
1,2-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.3	1.3	74	70	30-125	6	30	
1,2-Diphenylhydrazine	mg/kg	ND	1.9	1.9	1.8J	1.6J	97	88	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.3	1.3	74	69	30-126	7	30	
1,4-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.4	1.3	75	70	30-130	7	30	
1-Methylnaphthalene	mg/kg	ND	1.9	1.9	2.0	5.5	107	296	30-144	92	30	D6,M1
2,4,5-Trichlorophenol	mg/kg	ND	1.9	1.9	1.7J	1.5J	94	84	30-150		30	
2,4,6-Trichlorophenol	mg/kg	ND	1.9	1.9	1.7	1.5	93	85	30-150	10	30	
2,4-Dichlorophenol	mg/kg	ND	1.9	1.9	1.6	1.5	89	84	30-147	6	30	
2,4-Dimethylphenol	mg/kg	ND	1.9	1.9	1.6	1.8	90	99	30-150	9	30	
2,4-Dinitrophenol	mg/kg	ND	1.9	1.9	ND	ND	35	0	30-133		30	M1
2,4-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.6	1.6	90	88	30-150	2	30	
2,6-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.5	1.3	85	74	30-150	14	30	
2-Chloronaphthalene	mg/kg	ND	1.9	1.9	1.6	1.5	88	81	30-150	8	30	
2-Chlorophenol	mg/kg	ND	1.9	1.9	1.4	1.3	78	73	30-133	6	30	
2-Methylnaphthalene	mg/kg	ND	1.9	1.9	2.3	8.1	120	443	30-141	113	30	D6,E, M1
2-Methylphenol(o-Cresol)	mg/kg	ND	1.9	1.9	1.5	1.6	82	85	30-140	4	30	
2-Nitroaniline	mg/kg	ND	1.9	1.9	1.7J	1.6J	94	88	30-150		30	
2-Nitrophenol	mg/kg	ND	1.9	1.9	1.5	1.4	83	76	30-141	10	30	
3&4-Methylphenol	mg/kg	ND	1.9	1.9	1.5	1.8	84	101	30-147	19	30	
3,3'-Dichlorobenzidine	mg/kg	ND	1.9	1.9	1.0	1.3	57	71	30-132	22	30	
3-Nitroaniline	mg/kg	ND	1.9	1.9	1.1J	1.3J	62	74	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.9	1.9	ND	ND	48	22	30-147		30	M1
4-Bromophenylphenyl ether	mg/kg	ND	1.9	1.9	1.7	1.5	94	84	30-150	11	30	
4-Chloro-3-methylphenol	mg/kg	ND	1.9	1.9	1.6	1.4	87	79	30-150	10	30	
4-Chloroaniline	mg/kg	ND	1.9	1.9	0.87	1.2	48	64	30-150	29	30	
4-Chlorophenylphenyl ether	mg/kg	ND	1.9	1.9	1.7	1.7	96	91	30-150	5	30	
4-Nitroaniline	mg/kg	ND	1.9	1.9	1.3J	1.5J	73	83	30-145		30	
4-Nitrophenol	mg/kg	ND	1.9	1.9	1.7J	1.6J	94	86	30-150		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	1.9	1.9	2.4	6.4	123	345	30-149	92	30	D6,E, M1
Acenaphthylene	mg/kg	0.45	1.9	1.9	2.7	2.9	123	132	30-150	6	30	
Anthracene	mg/kg	0.68	1.9	1.9	4.1	10	189	512	30-150	83	30	D6,E, M1
Benzo(a)anthracene	mg/kg	1.6	1.9	1.9	8.5	24.5	376	1260	30-150	97	30	D6,E, M1
Benzo(a)pyrene	mg/kg	2.0	1.9	1.9	10.6	33.5	477	1730	30-150	103	30	D6,E, M1
Benzo(b)fluoranthene	mg/kg	2.6	1.9	1.9	13.3	23.0	588	1120	30-150	53	30	D6,E, M1
Benzo(g,h,i)perylene	mg/kg	1.7	1.9	1.9	8.2	15.6	363	770	30-150	62	30	D6,E, M1
Benzo(k)fluoranthene	mg/kg	0.92	1.9	1.9	5.5	2.7	250	95	30-150	69	30	D6,M1
bis(2-Chloroethoxy)methane	mg/kg	ND	1.9	1.9	1.4	1.3	77	74	30-142	4	30	
bis(2-Chloroethyl) ether	mg/kg	ND	1.9	1.9	1.2	1.2	69	66	30-130	4	30	
bis(2-Chloroisopropyl) ether	mg/kg	ND	1.9	1.9	1.1	1.1	63	61	30-140	4	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	1.9	1.9	1.9	1.6	103	88	30-150	15	30	
Butylbenzylphthalate	mg/kg	ND	1.9	1.9	1.4	1.1	76	60	30-150	24	30	
Carbazole	mg/kg	ND	1.9	1.9	2.3	4.5	115	240	30-150	67	30	D6,M1
Chrysene	mg/kg	2.0	1.9	1.9	10.0	14.6	442	693	30-150	37	30	D6,E, M1
Di-n-butylphthalate	mg/kg	ND	1.9	1.9	1.8	1.7	97	94	30-150	3	30	
Di-n-octylphthalate	mg/kg	ND	1.9	1.9	1.7	0.86	91	47	30-150	63	30	D6
Dibenz(a,h)anthracene	mg/kg	0.42	1.9	1.9	3.8	6.8	184	349	30-150	57	30	D6,E, M1
Dibenzofuran	mg/kg	ND	1.9	1.9	1.9	2.3	99	122	30-150	20	30	
Diethylphthalate	mg/kg	ND	1.9	1.9	1.7	1.5	93	85	30-150	9	30	
Dimethylphthalate	mg/kg	ND	1.9	1.9	1.7	1.5	91	81	30-150	12	30	
Fluoranthene	mg/kg	3.1	1.9	1.9	13.3	30.6	560	1510	30-150	79	30	D6,E, M1
Fluorene	mg/kg	ND	1.9	1.9	2.5	4.6	122	240	30-150	60	30	D6,M1
Hexachloro-1,3-butadiene	mg/kg	ND	1.9	1.9	1.8	1.7	98	92	30-140	6	30	
Hexachlorobenzene	mg/kg	ND	1.9	1.9	1.6	1.5	90	81	30-150	11	30	
Hexachloroethane	mg/kg	ND	1.9	1.9	1.4	1.2	74	64	30-133	14	30	
Indeno(1,2,3-cd)pyrene	mg/kg	1.3	1.9	1.9	6.7	11.5	299	564	30-150	53	30	D6,E, M1
Isophorone	mg/kg	ND	1.9	1.9	1.5	1.4	84	78	30-145	7	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	1.9	1.9	1.4	1.4	80	75	30-140	6	30	
N-Nitrosodimethylamine	mg/kg	ND	1.9	1.9	1.2	1.1	65	62	30-134	6	30	
N-Nitrosodiphenylamine	mg/kg	ND	1.9	1.9	1.6	1.8	90	97	30-150	8	30	
Naphthalene	mg/kg	ND	1.9	1.9	2.6	10.7	135	581	30-136	122	30	D6,E, M1
Nitrobenzene	mg/kg	ND	1.9	1.9	1.5	1.4	84	77	30-141	8	30	
Pentachlorophenol	mg/kg	ND	1.9	1.9	1.4	0.91	79	50	30-150	45	30	D6
Phenanthrene	mg/kg	1.8	1.9	1.9	9.1	24.7	400	1260	30-150	92	30	D6,E, M1
Phenol	mg/kg	ND	1.9	1.9	1.4	1.5	77	84	30-135	9	30	
Pyrene	mg/kg	2.7	1.9	1.9	11.9	22.8	508	1100	30-150	62	30	D6,E, M1
2,4,6-Tribromophenol (S)	%						95	84	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorobiphenyl (S)	%						85	80	30-150			
2-Fluorophenol (S)	%						73	69	30-147			
Nitrobenzene-d5 (S)	%						84	79	50-120			
Phenol-d6 (S)	%						75	69	30-149			
Terphenyl-d14 (S)	%						73	56	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16393 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013

METHOD BLANK: 1036707 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/20/11 16:26	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
1-Methylnaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/20/11 16:26	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/20/11 16:26	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/20/11 16:26	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/20/11 16:26	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/20/11 16:26	
2-Chloronaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2-Chlorophenol	mg/kg	ND	0.33	08/20/11 16:26	
2-Methylnaphthalene	mg/kg	ND	0.33	08/20/11 16:26	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/20/11 16:26	
2-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
2-Nitrophenol	mg/kg	ND	0.33	08/20/11 16:26	
3&4-Methylphenol	mg/kg	ND	0.66	08/20/11 16:26	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/20/11 16:26	
3-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/20/11 16:26	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/20/11 16:26	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/20/11 16:26	
4-Chloroaniline	mg/kg	ND	0.33	08/20/11 16:26	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/20/11 16:26	
4-Nitroaniline	mg/kg	ND	1.7	08/20/11 16:26	
4-Nitrophenol	mg/kg	ND	1.7	08/20/11 16:26	
Acenaphthene	mg/kg	ND	0.33	08/20/11 16:26	
Acenaphthylene	mg/kg	ND	0.33	08/20/11 16:26	
Anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(a)anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(a)pyrene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/20/11 16:26	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/20/11 16:26	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/20/11 16:26	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1036707 Matrix: Solid

Associated Lab Samples: 10166204001, 10166204002, 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Carbazole	mg/kg	ND	0.33	08/20/11 16:26	
Chrysene	mg/kg	ND	0.33	08/20/11 16:26	
Di-n-butylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Di-n-octylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/20/11 16:26	
Dibenzofuran	mg/kg	ND	0.33	08/20/11 16:26	
Diethylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Dimethylphthalate	mg/kg	ND	0.33	08/20/11 16:26	
Fluoranthene	mg/kg	ND	0.33	08/20/11 16:26	
Fluorene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachlorobenzene	mg/kg	ND	0.33	08/20/11 16:26	
Hexachloroethane	mg/kg	ND	0.33	08/20/11 16:26	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/20/11 16:26	
Isophorone	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/20/11 16:26	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/20/11 16:26	
Naphthalene	mg/kg	ND	0.33	08/20/11 16:26	
Nitrobenzene	mg/kg	ND	0.33	08/20/11 16:26	
Pentachlorophenol	mg/kg	ND	0.67	08/20/11 16:26	
Phenanthrene	mg/kg	ND	0.33	08/20/11 16:26	
Phenol	mg/kg	ND	0.33	08/20/11 16:26	
Pyrene	mg/kg	ND	0.33	08/20/11 16:26	
2,4,6-Tribromophenol (S)	%	95	30-150	08/20/11 16:26	
2-Fluorobiphenyl (S)	%	88	30-150	08/20/11 16:26	
2-Fluorophenol (S)	%	84	30-147	08/20/11 16:26	
Nitrobenzene-d5 (S)	%	85	50-120	08/20/11 16:26	
Phenol-d6 (S)	%	84	30-149	08/20/11 16:26	
Terphenyl-d14 (S)	%	99	30-150	08/20/11 16:26	

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.1	66	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.1	65	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.2J	69	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.1	66	57-125	
1,4-Dichlorobenzene	mg/kg	1.7	1.1	64	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.1	66	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.2J	71	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.1	69	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.1	68	62-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	mg/kg	1.7	1.1	65	44-125	
2,4-Dinitrophenol	mg/kg	1.7	ND	50	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.1	66	63-125	
2,6-Dinitrotoluene	mg/kg	1.7	1.1	66	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.2	70	64-125	
2-Chlorophenol	mg/kg	1.7	1.1	63	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.1	68	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.1	65	57-125	
2-Nitroaniline	mg/kg	1.7	1.1J	68	63-125	
2-Nitrophenol	mg/kg	1.7	1.1	69	57-125	
3&4-Methylphenol	mg/kg	1.7	1.0	62	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.0	60	30-125	
3-Nitroaniline	mg/kg	1.7	.91J	55	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	.97J	58	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.2	70	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.1	66	66-125	
4-Chloroaniline	mg/kg	1.7	0.76	46	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.1	68	67-125	
4-Nitroaniline	mg/kg	1.7	1.1J	65	54-125	
4-Nitrophenol	mg/kg	1.7	1J	62	51-125	
Acenaphthene	mg/kg	1.7	1.2	69	64-125	
Acenaphthylene	mg/kg	1.7	1.1	68	65-125	
Anthracene	mg/kg	1.7	1.1	66	66-125	
Benzo(a)anthracene	mg/kg	1.7	1.1	67	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.2	70	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	69	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.2	69	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.2	70	68-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.1	66	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.0	62	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.0	62	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.1	69	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.2	69	65-125	
Carbazole	mg/kg	1.7	1.1	66	65-125	
Chrysene	mg/kg	1.7	1.2	71	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.1	69	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.2	69	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.1	69	66-125	
Dibenzofuran	mg/kg	1.7	1.1	68	66-125	
Diethylphthalate	mg/kg	1.7	1.2	69	68-125	
Dimethylphthalate	mg/kg	1.7	1.1	67	68-125	L0
Fluoranthene	mg/kg	1.7	1.1	69	65-125	
Fluorene	mg/kg	1.7	1.1	68	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.2	69	60-125	
Hexachlorobenzene	mg/kg	1.7	1.1	68	67-125	
Hexachloroethane	mg/kg	1.7	1.1	65	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.2	69	66-125	
Isophorone	mg/kg	1.7	1.1	67	61-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1036708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.0	62	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.1	65	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.1	67	66-125	
Naphthalene	mg/kg	1.7	1.1	67	61-125	
Nitrobenzene	mg/kg	1.7	1.1	65	59-125	
Pentachlorophenol	mg/kg	1.7	0.95	57	30-126	
Phenanthrene	mg/kg	1.7	1.1	68	68-125	
Phenol	mg/kg	1.7	1.1	64	58-125	
Pyrene	mg/kg	1.7	1.2	71	66-125	
2,4,6-Tribromophenol (S)	%			79	30-150	
2-Fluorobiphenyl (S)	%			78	30-150	
2-Fluorophenol (S)	%			71	30-147	
Nitrobenzene-d5 (S)	%			74	50-120	
Phenol-d6 (S)	%			73	30-149	
Terphenyl-d14 (S)	%			77	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036709 1036710

Parameter	Units	10165911003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	68	65	30-138	4	30	
1,2-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	67	64	30-125	6	30	
1,2-Diphenylhydrazine	mg/kg	ND	3.7	3.7	2.5J	2.4J	70	67	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.3	67	64	30-126	5	30	
1,4-Dichlorobenzene	mg/kg	ND	3.7	3.7	2.3	2.2	65	61	30-130	5	30	
1-Methylnaphthalene	mg/kg	ND	3.7	3.7	2.5	2.3	69	65	30-144	6	30	
2,4,5-Trichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	6	1	30-150		30	M1
2,4,6-Trichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	7	1	30-150		30	M1
2,4-Dichlorophenol	mg/kg	ND	3.7	3.7	ND	ND	9	2	30-147		30	M1
2,4-Dimethylphenol	mg/kg	ND	3.7	3.7	2.3	2.2	65	60	30-150	8	30	
2,4-Dinitrophenol	mg/kg	ND	3.7	3.7	ND	ND	21	0	30-133		30	M1
2,4-Dinitrotoluene	mg/kg	ND	3.7	3.7	2.4	2.3	67	65	30-150	4	30	
2,6-Dinitrotoluene	mg/kg	ND	3.7	3.7	2.4	2.4	67	67	30-150	1	30	
2-Chloronaphthalene	mg/kg	ND	3.7	3.7	2.6	2.4	72	68	30-150	6	30	
2-Chlorophenol	mg/kg	ND	3.7	3.7	.56J	ND	16	4	30-133		30	M1
2-Methylnaphthalene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-141	3	30	
2-Methylphenol(o-Cresol)	mg/kg	ND	3.7	3.7	2.3	1.7	65	47	30-140	31	30	D6
2-Nitroaniline	mg/kg	ND	3.7	3.7	2.5J	2.4J	70	66	30-150		30	
2-Nitrophenol	mg/kg	ND	3.7	3.7	.25J	ND	7	0	30-141		30	M1
3&4-Methylphenol	mg/kg	ND	3.7	3.7	1.9	1.2J	54	35	30-147		30	
3,3'-Dichlorobenzidine	mg/kg	ND	3.7	3.7	1.6	1.5	45	43	30-132	7	30	
3-Nitroaniline	mg/kg	ND	3.7	3.7	1.9J	1.9J	53	52	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	3.7	3.7	ND	ND	22	13	30-147		30	M1
4-Bromophenylphenyl ether	mg/kg	ND	3.7	3.7	2.5	2.5	70	69	30-150	2	30	
4-Chloro-3-methylphenol	mg/kg	ND	3.7	3.7	1.7	0.95	49	27	30-150	59	30	D6,M1
4-Chloroaniline	mg/kg	ND	3.7	3.7	1.3	1.2	35	32	30-150	8	30	
4-Chlorophenylphenyl ether	mg/kg	ND	3.7	3.7	2.5	2.3	69	65	30-150	7	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036709 1036710

Parameter	Units	10165911003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Nitroaniline	mg/kg	ND	3.7	3.7	2.5J	2.3J	70	64	30-145		30	
4-Nitrophenol	mg/kg	ND	3.7	3.7	ND	ND	0	0	30-150		30	M1
Acenaphthene	mg/kg	ND	3.7	3.7	2.6	2.4	72	68	30-149	6	30	
Acenaphthylene	mg/kg	ND	3.7	3.7	2.5	2.4	71	67	30-150	6	30	
Anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	2	30	
Benzo(a)anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	3	30	
Benzo(a)pyrene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	3	30	
Benzo(b)fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	1	30	
Benzo(g,h,i)perylene	mg/kg	ND	3.7	3.7	2.4	2.4	68	67	30-150	2	30	
Benzo(k)fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	71	68	30-150	4	30	
bis(2-Chloroethoxy)methane	mg/kg	ND	3.7	3.7	2.4	2.3	68	65	30-142	4	30	
bis(2-Chloroethyl) ether	mg/kg	ND	3.7	3.7	2.4	2.2	66	62	30-130	6	30	
bis(2-Chloroisopropyl) ether	mg/kg	ND	3.7	3.7	2.3	2.3	65	63	30-140	4	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	3.7	3.7	2.5	2.5	70	69	30-150	1	30	
Butylbenzylphthalate	mg/kg	ND	3.7	3.7	2.6	2.4	71	68	30-150	5	30	
Carbazole	mg/kg	ND	3.7	3.7	2.5	2.4	68	67	30-150	2	30	
Chrysene	mg/kg	ND	3.7	3.7	2.6	2.5	72	69	30-150	5	30	
Di-n-butylphthalate	mg/kg	ND	3.7	3.7	2.5	2.5	69	69	30-150	.7	30	
Di-n-octylphthalate	mg/kg	ND	3.7	3.7	2.5	2.5	71	69	30-150	3	30	
Dibenz(a,h)anthracene	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	3	30	
Dibenzofuran	mg/kg	ND	3.7	3.7	2.5	2.4	70	66	30-150	6	30	
Diethylphthalate	mg/kg	ND	3.7	3.7	2.5	2.4	69	67	30-150	4	30	
Dimethylphthalate	mg/kg	ND	3.7	3.7	2.5	2.4	70	67	30-150	5	30	
Fluoranthene	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	3	30	
Fluorene	mg/kg	ND	3.7	3.7	2.5	2.3	69	66	30-150	5	30	
Hexachloro-1,3-butadiene	mg/kg	ND	3.7	3.7	2.5	2.4	70	67	30-140	4	30	
Hexachlorobenzene	mg/kg	ND	3.7	3.7	2.4	2.4	67	66	30-150	2	30	
Hexachloroethane	mg/kg	ND	3.7	3.7	2.4	2.3	67	63	30-133	7	30	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	3.7	3.7	2.4	2.4	67	66	30-150	1	30	
Isophorone	mg/kg	ND	3.7	3.7	2.4	2.3	67	65	30-145	4	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	3.7	3.7	2.4	2.2	65	62	30-140	5	30	
N-Nitrosodimethylamine	mg/kg	ND	3.7	3.7	2.4	2.3	68	63	30-134	7	30	
N-Nitrosodiphenylamine	mg/kg	ND	3.7	3.7	2.5	2.4	69	68	30-150	2	30	
Naphthalene	mg/kg	ND	3.7	3.7	2.5	2.4	68	66	30-136	3	30	
Nitrobenzene	mg/kg	ND	3.7	3.7	2.5	2.4	71	66	30-141	6	30	
Pentachlorophenol	mg/kg	ND	3.7	3.7	ND	ND	7	0	30-150		30	M1
Phenanthrene	mg/kg	ND	3.7	3.7	2.5	2.4	70	68	30-150	3	30	
Phenol	mg/kg	ND	3.7	3.7	1.4	.52J	38	15	30-135		30	M1
Pyrene	mg/kg	ND	3.7	3.7	2.6	2.5	72	70	30-150	3	30	
2,4,6-Tribromophenol (S)	%						5	1	30-150			S0
2-Fluorobiphenyl (S)	%						81	76	30-150			
2-Fluorophenol (S)	%						4	1	30-147			S0
Nitrobenzene-d5 (S)	%						79	74	50-120			
Phenol-d6 (S)	%						31	14	30-149			S0
Terphenyl-d14 (S)	%						79	75	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: OEXT/16351 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10166204004, 10166204007, 10166204010, 10166204012, 10166204015, 10166204021, 10166204022

METHOD BLANK: 1034374 Matrix: Water
Associated Lab Samples: 10166204004, 10166204007, 10166204010, 10166204012, 10166204015, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/18/11 11:31	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1-Methylnaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2,4,5-Trichlorophenol	ug/L	ND	50.0	08/18/11 11:31	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dichlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dimethylphenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dinitrophenol	ug/L	ND	50.0	08/18/11 11:31	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/18/11 11:31	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/18/11 11:31	
2-Chloronaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2-Chlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2-Methylnaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/18/11 11:31	
2-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
2-Nitrophenol	ug/L	ND	10.0	08/18/11 11:31	
3&4-Methylphenol	ug/L	ND	20.0	08/18/11 11:31	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/18/11 11:31	
3-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/18/11 11:31	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/18/11 11:31	
4-Chloro-3-methylphenol	ug/L	ND	10.0	08/18/11 11:31	
4-Chloroaniline	ug/L	ND	50.0	08/18/11 11:31	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/18/11 11:31	
4-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
4-Nitrophenol	ug/L	ND	50.0	08/18/11 11:31	
Acenaphthene	ug/L	ND	10.0	08/18/11 11:31	
Acenaphthylene	ug/L	ND	10.0	08/18/11 11:31	
Anthracene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(a)anthracene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(a)pyrene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/18/11 11:31	
Butylbenzylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Carbazole	ug/L	ND	10.0	08/18/11 11:31	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1034374 Matrix: Water

Associated Lab Samples: 10166204004, 10166204007, 10166204010, 10166204012, 10166204015, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	10.0	08/18/11 11:31	
Di-n-butylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Di-n-octylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Dibenz(a,h)anthracene	ug/L	ND	20.0	08/18/11 11:31	
Dibenzofuran	ug/L	ND	10.0	08/18/11 11:31	
Diethylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Dimethylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
Fluorene	ug/L	ND	10.0	08/18/11 11:31	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/18/11 11:31	
Hexachlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
Hexachloroethane	ug/L	ND	10.0	08/18/11 11:31	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/18/11 11:31	
Isophorone	ug/L	ND	10.0	08/18/11 11:31	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/18/11 11:31	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/18/11 11:31	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/18/11 11:31	
Naphthalene	ug/L	ND	10.0	08/18/11 11:31	
Nitrobenzene	ug/L	ND	10.0	08/18/11 11:31	
Pentachlorophenol	ug/L	ND	23.0	08/18/11 11:31	
Phenanthrene	ug/L	ND	10.0	08/18/11 11:31	
Phenol	ug/L	ND	10.0	08/18/11 11:31	
Pyrene	ug/L	ND	10.0	08/18/11 11:31	
2,4,6-Tribromophenol (S)	%	87	30-150	08/18/11 11:31	
2-Fluorobiphenyl (S)	%	78	30-150	08/18/11 11:31	
2-Fluorophenol (S)	%	68	30-148	08/18/11 11:31	
Nitrobenzene-d5 (S)	%	80	30-150	08/18/11 11:31	
Phenol-d6 (S)	%	69	30-150	08/18/11 11:31	
Terphenyl-d14 (S)	%	81	30-150	08/18/11 11:31	

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	44.0	46.8	88	94	68-125	6	20	
1,2-Dichlorobenzene	ug/L	50	38.5	42.8	77	86	67-125	11	20	
1,2-Diphenylhydrazine	ug/L	50	51.4	52.3	103	105	76-125	2	20	
1,3-Dichlorobenzene	ug/L	50	38.9	42.4	78	85	66-125	9	20	
1,4-Dichlorobenzene	ug/L	50	39.2	42.3	78	85	67-125	8	20	
1-Methylnaphthalene	ug/L	50	42.8	44.8	86	90	74-125	5	20	
2,4,5-Trichlorophenol	ug/L	50	46.5J	47J	93	94	72-125		20	
2,4,6-Trichlorophenol	ug/L	50	45.4	47.0	91	94	73-125	3	20	
2,4-Dichlorophenol	ug/L	50	44.9	46.5	90	93	70-125	4	20	
2,4-Dimethylphenol	ug/L	50	34.5	35.9	69	72	48-125	4	20	
2,4-Dinitrophenol	ug/L	50	47.2J	47.2J	94	94	30-143		20	
2,4-Dinitrotoluene	ug/L	50	47.1	48.4	94	97	74-125	3	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,6-Dinitrotoluene	ug/L	50	44.8	45.8	90	92	74-125	2	20	
2-Chloronaphthalene	ug/L	50	43.9	46.4	88	93	74-125	5	20	
2-Chlorophenol	ug/L	50	37.8	40.6	76	81	65-125	7	20	
2-Methylnaphthalene	ug/L	50	43.5	44.7	87	89	71-125	3	20	
2-Methylphenol(o-Cresol)	ug/L	50	36.6	39.5	73	79	65-125	8	20	
2-Nitroaniline	ug/L	50	47J	47.9J	94	96	69-126		20	
2-Nitrophenol	ug/L	50	41.3	42.8	83	86	66-125	3	20	
3&4-Methylphenol	ug/L	50	37.8	40.0	76	80	67-125	6	20	
3,3'-Dichlorobenzidine	ug/L	50	38.2	41.2	76	82	75-130	8	20	
3-Nitroaniline	ug/L	50	39.8J	40.3J	80	81	68-127		20	
4,6-Dinitro-2-methylphenol	ug/L	50	45.6J	45.6J	91	91	55-130		20	
4-Bromophenylphenyl ether	ug/L	50	46.6	48.7	93	97	75-125	4	20	
4-Chloro-3-methylphenol	ug/L	50	44.8	45.4	90	91	75-125	1	20	
4-Chloroaniline	ug/L	50	35J	37.9J	70	76	56-125		20	
4-Chlorophenylphenyl ether	ug/L	50	51.0	51.8	102	104	75-125	2	20	
4-Nitroaniline	ug/L	50	39.8J	40.6J	80	81	70-125		20	
4-Nitrophenol	ug/L	50	44.8J	45.1J	90	90	57-127		20	
Acenaphthene	ug/L	50	44.3	45.1	89	90	74-125	2	20	
Acenaphthylene	ug/L	50	44.5	45.6	89	91	74-125	2	20	
Anthracene	ug/L	50	45.6	46.3	91	93	73-125	2	20	
Benzo(a)anthracene	ug/L	50	42.6	43.6	85	87	75-125	2	20	
Benzo(a)pyrene	ug/L	50	44.9	46.8	90	94	75-125	4	20	
Benzo(b)fluoranthene	ug/L	50	45.9	46.9	92	94	75-125	2	20	
Benzo(g,h,i)perylene	ug/L	50	46.5	47.4	93	95	75-125	2	20	
Benzo(k)fluoranthene	ug/L	50	47.8	48.9	96	98	75-125	2	20	
bis(2-Chloroethoxy)methane	ug/L	50	39.1	40.5	78	81	68-125	3	20	
bis(2-Chloroethyl) ether	ug/L	50	36.0	37.8	72	76	63-125	5	20	
bis(2-Chloroisopropyl) ether	ug/L	50	31.6	33.8	63	68	42-138	7	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.3	48.6	95	97	75-125	3	20	
Butylbenzylphthalate	ug/L	50	40.3	40.9	81	82	75-125	1	20	
Carbazole	ug/L	50	44.2	45.4	88	91	70-125	3	20	
Chrysene	ug/L	50	41.1	43.1	82	86	75-125	5	20	
Di-n-butylphthalate	ug/L	50	48.3	49.3	97	99	72-125	2	20	
Di-n-octylphthalate	ug/L	50	47.9	49.5	96	99	75-125	3	20	
Dibenz(a,h)anthracene	ug/L	50	47.4	47.9	95	96	75-125	1	20	
Dibenzofuran	ug/L	50	46.1	46.7	92	93	75-125	1	20	
Diethylphthalate	ug/L	50	48.7	49.4	97	99	73-125	1	20	
Dimethylphthalate	ug/L	50	46.3	47.6	93	95	75-125	3	20	
Fluoranthene	ug/L	50	48.6	49.3	97	99	75-125	1	20	
Fluorene	ug/L	50	48.9	50.0	98	100	75-125	2	20	
Hexachloro-1,3-butadiene	ug/L	50	49.0	52.8	98	106	66-125	7	20	
Hexachlorobenzene	ug/L	50	46.1	47.0	92	94	74-125	2	20	
Hexachloroethane	ug/L	50	42.5	46.5	85	93	63-125	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	47.0	47.8	94	96	75-125	2	20	
Isophorone	ug/L	50	43.1	44.3	86	89	72-125	3	20	
N-Nitroso-di-n-propylamine	ug/L	50	39.9	42.0	80	84	68-125	5	20	
N-Nitrosodimethylamine	ug/L	50	34.8	36.4	70	73	55-125	5	20	
N-Nitrosodiphenylamine	ug/L	50	43.6	44.5	87	89	74-125	2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	50	42.2	43.8	84	88	68-125	4	20	
Nitrobenzene	ug/L	50	42.3	45.1	85	90	67-125	6	20	
Pentachlorophenol	ug/L	50	39.4	40.2	79	80	48-132	2	20	
Phenanthrene	ug/L	50	45.5	46.7	91	93	75-125	3	20	
Phenol	ug/L	50	36.6	39.1	73	78	63-125	7	20	
Pyrene	ug/L	50	40.4	41.9	81	84	75-125	4	20	
2,4,6-Tribromophenol (S)	%				96	94	30-150			
2-Fluorobiphenyl (S)	%				86	87	30-150			
2-Fluorophenol (S)	%				70	76	30-148			
Nitrobenzene-d5 (S)	%				85	88	30-150			
Phenol-d6 (S)	%				72	76	30-150			
Terphenyl-d14 (S)	%				78	79	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MSV/17640 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166204001, 10166204002

METHOD BLANK: 1032152 Matrix: Solid
Associated Lab Samples: 10166204001, 10166204002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1-Dichloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,1-Dichloroethene	mg/kg	ND	0.050	08/13/11 15:37	
1,1-Dichloropropene	mg/kg	ND	0.050	08/13/11 15:37	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/13/11 15:37	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/13/11 15:37	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/13/11 15:37	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,2-Dichloroethane	mg/kg	ND	0.050	08/13/11 15:37	
1,2-Dichloropropane	mg/kg	ND	0.050	08/13/11 15:37	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
1,3-Dichloropropane	mg/kg	ND	0.050	08/13/11 15:37	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
2,2-Dichloropropane	mg/kg	ND	0.20	08/13/11 15:37	
2-Butanone (MEK)	mg/kg	ND	0.50	08/13/11 15:37	
2-Chlorotoluene	mg/kg	ND	0.050	08/13/11 15:37	
4-Chlorotoluene	mg/kg	ND	0.050	08/13/11 15:37	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/13/11 15:37	
Acetone	mg/kg	ND	0.50	08/13/11 15:37	
Allyl chloride	mg/kg	ND	0.20	08/13/11 15:37	
Benzene	mg/kg	ND	0.020	08/13/11 15:37	
Bromobenzene	mg/kg	ND	0.050	08/13/11 15:37	
Bromochloromethane	mg/kg	ND	0.050	08/13/11 15:37	
Bromodichloromethane	mg/kg	ND	0.050	08/13/11 15:37	
Bromoform	mg/kg	ND	0.20	08/13/11 15:37	
Bromomethane	mg/kg	ND	0.50	08/13/11 15:37	
Carbon tetrachloride	mg/kg	ND	0.050	08/13/11 15:37	
Chlorobenzene	mg/kg	ND	0.050	08/13/11 15:37	
Chloroethane	mg/kg	ND	0.50	08/13/11 15:37	
Chloroform	mg/kg	ND	0.050	08/13/11 15:37	
Chloromethane	mg/kg	ND	0.20	08/13/11 15:37	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/13/11 15:37	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/13/11 15:37	
Dibromochloromethane	mg/kg	ND	0.050	08/13/11 15:37	
Dibromomethane	mg/kg	ND	0.050	08/13/11 15:37	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1032152 Matrix: Solid

Associated Lab Samples: 10166204001, 10166204002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/kg	ND	0.050	08/13/11 15:37	
Dichlorofluoromethane	mg/kg	ND	0.50	08/13/11 15:37	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/13/11 15:37	
Ethylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/13/11 15:37	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/13/11 15:37	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/13/11 15:37	
Methylene Chloride	mg/kg	ND	0.20	08/13/11 15:37	
n-Butylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
n-Propylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
Naphthalene	mg/kg	ND	0.20	08/13/11 15:37	
p-Isopropyltoluene	mg/kg	ND	0.050	08/13/11 15:37	
sec-Butylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
Styrene	mg/kg	ND	0.050	08/13/11 15:37	
tert-Butylbenzene	mg/kg	ND	0.050	08/13/11 15:37	
Tetrachloroethene	mg/kg	ND	0.050	08/13/11 15:37	
Tetrahydrofuran	mg/kg	ND	2.0	08/13/11 15:37	
Toluene	mg/kg	ND	0.050	08/13/11 15:37	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/13/11 15:37	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/13/11 15:37	
Trichloroethene	mg/kg	ND	0.050	08/13/11 15:37	
Trichlorofluoromethane	mg/kg	ND	0.20	08/13/11 15:37	
Vinyl chloride	mg/kg	ND	0.020	08/13/11 15:37	
Xylene (Total)	mg/kg	ND	0.15	08/13/11 15:37	
1,2-Dichloroethane-d4 (S)	%	116	30-150	08/13/11 15:37	
4-Bromofluorobenzene (S)	%	123	30-150	08/13/11 15:37	
Dibromofluoromethane (S)	%	126	30-150	08/13/11 15:37	
Toluene-d8 (S)	%	118	30-150	08/13/11 15:37	

LABORATORY CONTROL SAMPLE & LCSD: 1032153 1032154

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	1.0	1.0	101	100	75-125	.7	20	
1,1,1-Trichloroethane	mg/kg	1	1.0	1.0	104	101	75-126	2	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.0	1.0	104	105	75-125	.8	20	
1,1,2-Trichloroethane	mg/kg	1	1.0	1.0	103	104	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	1.0	0.93	100	93	62-150	7	20	
1,1-Dichloroethane	mg/kg	1	1.0	1.0	105	103	75-130	2	20	
1,1-Dichloroethene	mg/kg	1	0.96	0.96	96	96	67-142	.1	20	
1,1-Dichloropropene	mg/kg	1	1.1	1.0	105	104	73-136	1	20	
1,2,3-Trichlorobenzene	mg/kg	1	1.0	1.1	103	106	75-125	3	20	
1,2,3-Trichloropropane	mg/kg	1	0.96	1.1	96	106	75-125	10	20	
1,2,4-Trichlorobenzene	mg/kg	1	1.0	1.0	100	102	75-125	2	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.95	0.97	95	97	75-125	2	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	1.1	1.1	108	108	66-125	.2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1032153 1032154

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	mg/kg	1	0.97	1.0	97	102	75-125	5	20	
1,2-Dichlorobenzene	mg/kg	1	1.0	1.0	103	103	75-125	.6	20	
1,2-Dichloroethane	mg/kg	1	1.0	1.0	103	102	75-125	.7	20	
1,2-Dichloropropane	mg/kg	1	1.0	1.0	102	102	75-126	.9	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.96	0.97	96	97	75-125	.9	20	
1,3-Dichlorobenzene	mg/kg	1	1.0	1.0	102	101	75-125	2	20	
1,3-Dichloropropane	mg/kg	1	1.0	1.1	103	106	75-125	3	20	
1,4-Dichlorobenzene	mg/kg	1	0.99	1.0	99	100	75-125	.3	20	
2,2-Dichloropropane	mg/kg	1	1.1	1.1	106	107	43-137	.9	20	
2-Butanone (MEK)	mg/kg	1	1.2	0.86	121	86	63-129	34	20	D6
2-Chlorotoluene	mg/kg	1	1.1	1.1	108	107	75-125	1	20	
4-Chlorotoluene	mg/kg	1	1.0	1.1	104	106	75-125	2	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.0	1.0	100	104	70-125	4	20	
Acetone	mg/kg	2.5	2.8	2.7	113	109	64-138	4	20	
Allyl chloride	mg/kg	1	1.1	1.1	108	106	73-134	1	20	
Benzene	mg/kg	1	1.0	1.0	103	104	75-125	.7	20	
Bromobenzene	mg/kg	1	1.0	1.1	104	108	75-125	4	20	
Bromochloromethane	mg/kg	1	1.1	1.1	107	106	75-129	.3	20	
Bromodichloromethane	mg/kg	1	1.1	1.1	107	107	75-125	.4	20	
Bromoform	mg/kg	1	1.0	1.1	102	107	62-125	4	20	
Bromomethane	mg/kg	1	1.2	1.3	123	128	53-150	4	20	
Carbon tetrachloride	mg/kg	1	1.1	1.1	113	111	72-127	2	20	
Chlorobenzene	mg/kg	1	0.98	0.99	98	99	75-125	.6	20	
Chloroethane	mg/kg	1	1.2	1.1	118	110	36-150	7	20	
Chloroform	mg/kg	1	1.0	1.0	100	102	75-126	2	20	
Chloromethane	mg/kg	1	0.97	1.0	97	101	57-140	3	20	
cis-1,2-Dichloroethene	mg/kg	1	1.0	1.1	103	107	75-131	4	20	
cis-1,3-Dichloropropene	mg/kg	1	1.0	1.0	105	105	75-125	.2	20	
Dibromochloromethane	mg/kg	1	1.1	1.1	105	107	75-125	2	20	
Dibromomethane	mg/kg	1	1.0	1.0	100	102	75-125	1	20	
Dichlorodifluoromethane	mg/kg	1	0.85	0.80	85	80	30-150	5	20	
Dichlorofluoromethane	mg/kg	1	0.68	1.2	68	119	72-133	54	20	CH,D6,L0
Diethyl ether (Ethyl ether)	mg/kg	1	1.0	1.1	103	109	59-150	5	20	
Ethylbenzene	mg/kg	1	1.0	1.0	104	105	75-129	.4	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.44	0.49	89	98	69-137	9	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.1	1.1	108	109	75-130	1	20	
Methyl-tert-butyl ether	mg/kg	1	1.0	1.1	103	106	73-128	3	20	
Methylene Chloride	mg/kg	1	0.98	1.0	98	102	68-128	4	20	
n-Butylbenzene	mg/kg	1	1.1	1.0	106	105	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.1	1.1	108	110	75-126	2	20	
Naphthalene	mg/kg	1	0.93	0.95	93	95	75-125	2	20	
p-Isopropyltoluene	mg/kg	1	0.98	0.97	98	97	75-125	1	20	
sec-Butylbenzene	mg/kg	1	1.1	1.1	107	108	75-128	.3	20	
Styrene	mg/kg	1	1.1	1.1	107	110	75-125	3	20	
tert-Butylbenzene	mg/kg	1	0.98	0.99	98	99	75-126	1	20	
Tetrachloroethene	mg/kg	1	1.0	1.0	102	101	73-132	.3	20	
Tetrahydrofuran	mg/kg	10	10.1	10.8	101	108	63-134	7	20	
Toluene	mg/kg	1	1.0	1.0	103	103	74-128	.2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1032153 1032154

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	mg/kg	1	1.0	1.0	104	102	75-136	2	20	
trans-1,3-Dichloropropene	mg/kg	1	1.1	1.1	107	109	71-125	3	20	
Trichloroethene	mg/kg	1	1.0	1.0	101	104	75-131	3	20	
Trichlorofluoromethane	mg/kg	1	1.0	0.98	100	98	65-148	2	20	
Vinyl chloride	mg/kg	1	1.1	1.1	109	107	58-146	2	20	
Xylene (Total)	mg/kg	3	3.2	3.2	107	107	73-129	.2	20	
1,2-Dichloroethane-d4 (S)	%				101	103	30-150			
4-Bromofluorobenzene (S)	%				108	109	30-150			
Dibromofluoromethane (S)	%				108	109	30-150			
Toluene-d8 (S)	%				105	105	30-150			

MATRIX SPIKE SAMPLE: 1032155

Parameter	Units	10166204001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	6.2	9.2	147	48-136	M1
1,1,1-Trichloroethane	mg/kg	ND	6.2	9.3	150	57-143	M1
1,1,2,2-Tetrachloroethane	mg/kg	ND	6.2	8.9	143	47-146	
1,1,2-Trichloroethane	mg/kg	ND	6.2	8.8	141	59-130	M1
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	6.2	11.0	177	38-150	M1
1,1-Dichloroethane	mg/kg	ND	6.2	9.0	145	59-139	M1
1,1-Dichloroethene	mg/kg	ND	6.2	9.3	150	44-150	
1,1-Dichloropropene	mg/kg	ND	6.2	10	161	68-141	M1
1,2,3-Trichlorobenzene	mg/kg	ND	6.2	8.8	141	40-144	
1,2,3-Trichloropropane	mg/kg	ND	6.2	8.0	129	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	6.2	8.9	144	42-141	M1
1,2,4-Trimethylbenzene	mg/kg	0.33	6.2	8.5	131	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	6.2	9.1	147	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	6.2	8.7	140	55-130	M1
1,2-Dichlorobenzene	mg/kg	ND	6.2	8.9	143	61-129	M1
1,2-Dichloroethane	mg/kg	ND	6.2	8.6	138	57-137	M1
1,2-Dichloropropane	mg/kg	ND	6.2	9.2	147	54-136	M1
1,3,5-Trimethylbenzene	mg/kg	ND	6.2	8.6	138	51-147	
1,3-Dichlorobenzene	mg/kg	ND	6.2	8.9	143	59-133	M1
1,3-Dichloropropane	mg/kg	ND	6.2	9.0	145	52-135	M1
1,4-Dichlorobenzene	mg/kg	ND	6.2	8.4	136	56-135	M1
2,2-Dichloropropane	mg/kg	ND	6.2	9.8	157	30-150	M1
2-Butanone (MEK)	mg/kg	ND	6.2	10.7	172	43-147	M1
2-Chlorotoluene	mg/kg	ND	6.2	9.6	154	54-144	M1
4-Chlorotoluene	mg/kg	ND	6.2	9.2	149	57-147	M1
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	6.2	9.0	145	51-136	M1
Acetone	mg/kg	ND	15.6	23.2	149	40-147	M1
Allyl chloride	mg/kg	ND	6.2	10.0	161	58-136	M1
Benzene	mg/kg	7.8	6.2	18.1	166	53-138	
Bromobenzene	mg/kg	ND	6.2	9.1	147	56-133	M1
Bromochloromethane	mg/kg	ND	6.2	9.5	153	58-139	M1
Bromodichloromethane	mg/kg	ND	6.2	9.0	145	59-129	M1
Bromoform	mg/kg	ND	6.2	8.6	138	36-137	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE SAMPLE: 1032155

Parameter	Units	10166204001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/kg	ND	6.2	10.4	167	30-150	M1
Carbon tetrachloride	mg/kg	ND	6.2	10.7	172	42-150	M1
Chlorobenzene	mg/kg	ND	6.2	8.6	139	60-134	M1
Chloroethane	mg/kg	ND	6.2	10.1	163	30-150	M1
Chloroform	mg/kg	ND	6.2	9.0	145	59-138	M1
Chloromethane	mg/kg	ND	6.2	8.8	142	55-128	M1
cis-1,2-Dichloroethene	mg/kg	ND	6.2	9.5	153	52-143	M1
cis-1,3-Dichloropropene	mg/kg	ND	6.2	9.1	146	55-135	M1
Dibromochloromethane	mg/kg	ND	6.2	9.1	147	47-136	M1
Dibromomethane	mg/kg	ND	6.2	8.5	137	50-136	M1
Dichlorodifluoromethane	mg/kg	ND	6.2	8.9	144	30-150	
Dichlorofluoromethane	mg/kg	ND	6.2	12.0	193	56-142	CH,M0
Diethyl ether (Ethyl ether)	mg/kg	ND	6.2	9.2	147	53-142	M1
Ethylbenzene	mg/kg	0.32	6.2	9.7	150	54-144	M1
Hexachloro-1,3-butadiene	mg/kg	ND	3.2	4.6	149	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	6.2	10.1	163	58-140	M1
Methyl-tert-butyl ether	mg/kg	ND	6.2	9.0	145	56-132	M1
Methylene Chloride	mg/kg	ND	6.2	8.6	138	48-137	M1
n-Butylbenzene	mg/kg	ND	6.2	9.9	159	50-150	M1
n-Propylbenzene	mg/kg	ND	6.2	9.8	158	64-142	M1
Naphthalene	mg/kg	ND	6.2	8.2	117	44-139	
p-Isopropyltoluene	mg/kg	ND	6.2	8.8	141	54-145	
sec-Butylbenzene	mg/kg	ND	6.2	10.1	163	72-135	M1
Styrene	mg/kg	ND	6.2	9.6	154	57-135	M1
tert-Butylbenzene	mg/kg	ND	6.2	9.1	146	58-148	
Tetrachloroethene	mg/kg	ND	6.2	9.6	154	54-141	M1
Tetrahydrofuran	mg/kg	ND	62.1	90.3	145	52-137	M1
Toluene	mg/kg	ND	6.2	9.3	149	55-141	M1
trans-1,2-Dichloroethene	mg/kg	ND	6.2	9.6	154	48-148	M1
trans-1,3-Dichloropropene	mg/kg	ND	6.2	9.2	148	57-130	M1
Trichloroethene	mg/kg	ND	6.2	9.4	152	51-142	M1
Trichlorofluoromethane	mg/kg	ND	6.2	10.2	164	50-150	M1
Vinyl chloride	mg/kg	ND	6.2	10.3	166	55-133	M1
Xylene (Total)	mg/kg	5.7	18.6	34.2	153	52-141	ES
1,2-Dichloroethane-d4 (S)	%				125	30-150	
4-Bromofluorobenzene (S)	%				136	30-150	
Dibromofluoromethane (S)	%				136	30-150	
Toluene-d8 (S)	%				134	30-150	

SAMPLE DUPLICATE: 1032156

Parameter	Units	10166204002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1032156

Parameter	Units	10166204002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1032156

Parameter	Units	10166204002 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	mg/kg	ND	.2J		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	112	120	9		
4-Bromofluorobenzene (S)	%	119	121	4		
Dibromofluoromethane (S)	%	121	127	7		
Toluene-d8 (S)	%	114	118	4		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MSV/17644 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020, 10166204024

METHOD BLANK: 1032459 Matrix: Solid
Associated Lab Samples: 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020, 10166204024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1-Dichloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,1-Dichloroethene	mg/kg	ND	0.050	08/14/11 13:42	
1,1-Dichloropropene	mg/kg	ND	0.050	08/14/11 13:42	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/14/11 13:42	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/14/11 13:42	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/14/11 13:42	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,2-Dichloroethane	mg/kg	ND	0.050	08/14/11 13:42	
1,2-Dichloropropane	mg/kg	ND	0.050	08/14/11 13:42	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
1,3-Dichloropropane	mg/kg	ND	0.050	08/14/11 13:42	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
2,2-Dichloropropane	mg/kg	ND	0.20	08/14/11 13:42	
2-Butanone (MEK)	mg/kg	ND	0.50	08/14/11 13:42	
2-Chlorotoluene	mg/kg	ND	0.050	08/14/11 13:42	
4-Chlorotoluene	mg/kg	ND	0.050	08/14/11 13:42	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/14/11 13:42	
Acetone	mg/kg	ND	0.50	08/14/11 13:42	
Allyl chloride	mg/kg	ND	0.20	08/14/11 13:42	
Benzene	mg/kg	ND	0.020	08/14/11 13:42	
Bromobenzene	mg/kg	ND	0.050	08/14/11 13:42	
Bromochloromethane	mg/kg	ND	0.050	08/14/11 13:42	
Bromodichloromethane	mg/kg	ND	0.050	08/14/11 13:42	
Bromoform	mg/kg	ND	0.20	08/14/11 13:42	
Bromomethane	mg/kg	ND	0.50	08/14/11 13:42	
Carbon tetrachloride	mg/kg	ND	0.050	08/14/11 13:42	
Chlorobenzene	mg/kg	ND	0.050	08/14/11 13:42	
Chloroethane	mg/kg	ND	0.50	08/14/11 13:42	
Chloroform	mg/kg	ND	0.050	08/14/11 13:42	
Chloromethane	mg/kg	ND	0.20	08/14/11 13:42	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/14/11 13:42	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/14/11 13:42	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1032459 Matrix: Solid

Associated Lab Samples: 10166204003, 10166204005, 10166204006, 10166204008, 10166204009, 10166204011, 10166204013, 10166204014, 10166204016, 10166204017, 10166204018, 10166204019, 10166204020, 10166204024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	ND	0.050	08/14/11 13:42	
Dibromomethane	mg/kg	ND	0.050	08/14/11 13:42	
Dichlorodifluoromethane	mg/kg	ND	0.050	08/14/11 13:42	
Dichlorofluoromethane	mg/kg	ND	0.50	08/14/11 13:42	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/14/11 13:42	
Ethylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/14/11 13:42	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/14/11 13:42	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/14/11 13:42	
Methylene Chloride	mg/kg	ND	0.20	08/14/11 13:42	
n-Butylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
n-Propylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
Naphthalene	mg/kg	ND	0.20	08/14/11 13:42	
p-Isopropyltoluene	mg/kg	ND	0.050	08/14/11 13:42	
sec-Butylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
Styrene	mg/kg	ND	0.050	08/14/11 13:42	
tert-Butylbenzene	mg/kg	ND	0.050	08/14/11 13:42	
Tetrachloroethene	mg/kg	ND	0.050	08/14/11 13:42	
Tetrahydrofuran	mg/kg	ND	2.0	08/14/11 13:42	
Toluene	mg/kg	ND	0.050	08/14/11 13:42	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/14/11 13:42	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/14/11 13:42	
Trichloroethene	mg/kg	ND	0.050	08/14/11 13:42	
Trichlorofluoromethane	mg/kg	ND	0.20	08/14/11 13:42	
Vinyl chloride	mg/kg	ND	0.020	08/14/11 13:42	
Xylene (Total)	mg/kg	ND	0.15	08/14/11 13:42	
1,2-Dichloroethane-d4 (S)	%	103	30-150	08/14/11 13:42	
4-Bromofluorobenzene (S)	%	102	30-150	08/14/11 13:42	
Dibromofluoromethane (S)	%	108	30-150	08/14/11 13:42	
Toluene-d8 (S)	%	101	30-150	08/14/11 13:42	

LABORATORY CONTROL SAMPLE & LCSD: 1032460 1032461

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	0.97	0.96	97	96	75-125	.3	20	
1,1,1-Trichloroethane	mg/kg	1	0.92	0.94	92	94	75-126	2	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.0	1.0	101	100	75-125	1	20	
1,1,2-Trichloroethane	mg/kg	1	0.98	0.99	98	99	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	0.88	0.85	88	85	62-150	3	20	
1,1-Dichloroethane	mg/kg	1	0.94	0.97	94	97	75-130	3	20	
1,1-Dichloroethene	mg/kg	1	0.89	0.93	89	93	67-142	5	20	
1,1-Dichloropropene	mg/kg	1	0.92	0.95	92	95	73-136	4	20	
1,2,3-Trichlorobenzene	mg/kg	1	0.94	0.99	94	99	75-125	5	20	
1,2,3-Trichloropropane	mg/kg	1	0.91	0.92	91	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1032460 1032461

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1	0.91	0.97	91	97	75-125	6	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.87	0.90	87	90	75-125	3	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	0.92	1.0	92	101	66-125	9	20	
1,2-Dibromoethane (EDB)	mg/kg	1	0.97	0.98	97	98	75-125	2	20	
1,2-Dichlorobenzene	mg/kg	1	0.94	1.0	94	101	75-125	7	20	
1,2-Dichloroethane	mg/kg	1	0.94	0.96	94	96	75-125	2	20	
1,2-Dichloropropane	mg/kg	1	0.94	0.96	94	96	75-126	2	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.87	0.92	87	92	75-125	6	20	
1,3-Dichlorobenzene	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
1,3-Dichloropropane	mg/kg	1	0.97	1.0	97	102	75-125	5	20	
1,4-Dichlorobenzene	mg/kg	1	0.92	0.94	92	94	75-125	1	20	
2,2-Dichloropropane	mg/kg	1	0.97	1.0	97	100	43-137	3	20	
2-Butanone (MEK)	mg/kg	1	0.97	0.92	97	92	63-129	5	20	
2-Chlorotoluene	mg/kg	1	0.97	1.0	97	101	75-125	4	20	
4-Chlorotoluene	mg/kg	1	0.99	1.0	99	103	75-125	4	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	0.95	0.96	95	96	70-125	2	20	
Acetone	mg/kg	2.5	2.2	2.6	89	104	64-138	15	20	
Allyl chloride	mg/kg	1	0.96	1.0	96	103	73-134	7	20	
Benzene	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
Bromobenzene	mg/kg	1	0.97	1.0	97	102	75-125	6	20	
Bromochloromethane	mg/kg	1	1.0	1.0	102	104	75-129	2	20	
Bromodichloromethane	mg/kg	1	0.99	0.98	99	98	75-125	1	20	
Bromoform	mg/kg	1	0.99	0.98	99	98	62-125	.8	20	
Bromomethane	mg/kg	1	1.4	1.0	142	105	53-150	30	20	CH,D6
Carbon tetrachloride	mg/kg	1	1.0	1.0	102	104	72-127	2	20	
Chlorobenzene	mg/kg	1	0.93	0.96	93	96	75-125	3	20	
Chloroethane	mg/kg	1	0.97	1.0	97	102	36-150	5	20	
Chloroform	mg/kg	1	0.93	0.95	93	95	75-126	3	20	
Chloromethane	mg/kg	1	0.95	0.89	95	89	57-140	6	20	
cis-1,2-Dichloroethene	mg/kg	1	0.91	0.97	91	97	75-131	7	20	
cis-1,3-Dichloropropene	mg/kg	1	1.0	1.0	100	101	75-125	.6	20	
Dibromochloromethane	mg/kg	1	0.99	1.0	99	101	75-125	1	20	
Dibromomethane	mg/kg	1	0.96	0.96	96	96	75-125	.7	20	
Dichlorodifluoromethane	mg/kg	1	0.76	0.67	76	67	30-150	11	20	
Dichlorofluoromethane	mg/kg	1	1.2	1.1	123	106	72-133	14	20	
Diethyl ether (Ethyl ether)	mg/kg	1	0.98	0.97	98	97	59-150	1	20	
Ethylbenzene	mg/kg	1	0.96	0.99	96	99	75-129	3	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.46	0.49	92	97	69-137	5	20	
Isopropylbenzene (Cumene)	mg/kg	1	0.99	1.0	99	103	75-130	4	20	
Methyl-tert-butyl ether	mg/kg	1	0.95	0.98	95	98	73-128	3	20	
Methylene Chloride	mg/kg	1	0.93	0.99	93	99	68-128	7	20	
n-Butylbenzene	mg/kg	1	0.99	1.0	99	103	75-128	4	20	
n-Propylbenzene	mg/kg	1	0.99	1.1	99	106	75-126	7	20	
Naphthalene	mg/kg	1	0.82	0.88	82	88	75-125	6	20	
p-Isopropyltoluene	mg/kg	1	0.90	0.93	90	93	75-125	4	20	
sec-Butylbenzene	mg/kg	1	0.99	1.0	99	103	75-128	5	20	
Styrene	mg/kg	1	0.99	1.0	99	105	75-125	6	20	
tert-Butylbenzene	mg/kg	1	0.87	0.93	87	93	75-126	7	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE & LCSD: 1032460 1032461

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	mg/kg	1	0.96	0.98	96	98	73-132	3	20	
Tetrahydrofuran	mg/kg	10	9.9	10.2	99	102	63-134	3	20	
Toluene	mg/kg	1	0.96	0.98	96	98	74-128	3	20	
trans-1,2-Dichloroethene	mg/kg	1	0.97	0.98	97	98	75-136	1	20	
trans-1,3-Dichloropropene	mg/kg	1	1.0	1.0	102	102	71-125	.3	20	
Trichloroethene	mg/kg	1	0.93	0.98	93	98	75-131	6	20	
Trichlorofluoromethane	mg/kg	1	0.88	0.87	88	87	65-148	.7	20	
Vinyl chloride	mg/kg	1	1.0	0.99	100	99	58-146	.7	20	
Xylene (Total)	mg/kg	3	2.9	3.0	97	100	73-129	4	20	
1,2-Dichloroethane-d4 (S)	%				86	84	30-150			
4-Bromofluorobenzene (S)	%				88	86	30-150			
Dibromofluoromethane (S)	%				90	88	30-150			
Toluene-d8 (S)	%				87	84	30-150			

MATRIX SPIKE SAMPLE: 1032462

Parameter	Units	10165790012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.1	1.0	92	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.1	1.0	95	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.1	0.97	89	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.1	0.98	90	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.1	1.2	113	38-150	
1,1-Dichloroethane	mg/kg	ND	1.1	0.99	91	59-139	
1,1-Dichloroethene	mg/kg	ND	1.1	1.0	92	44-150	
1,1-Dichloropropene	mg/kg	ND	1.1	1.1	98	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.1	0.96	89	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.1	0.86	79	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.1	0.93	85	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.1	0.92	85	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.1	0.93	85	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.1	0.94	87	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.1	0.98	90	61-129	
1,2-Dichloroethane	mg/kg	ND	1.1	0.95	88	57-137	
1,2-Dichloropropane	mg/kg	ND	1.1	0.97	89	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.1	0.93	85	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.1	0.99	91	59-133	
1,3-Dichloropropane	mg/kg	ND	1.1	0.97	89	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.1	0.93	86	56-135	
2,2-Dichloropropane	mg/kg	ND	1.1	1.1	98	30-150	
2-Butanone (MEK)	mg/kg	ND	1.1	1.0	94	43-147	
2-Chlorotoluene	mg/kg	ND	1.1	1.0	94	54-144	
4-Chlorotoluene	mg/kg	ND	1.1	1.0	92	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.1	0.92	84	51-136	
Acetone	mg/kg	ND	2.7	1.9	70	40-147	
Allyl chloride	mg/kg	ND	1.1	1.0	95	58-136	
Benzene	mg/kg	ND	1.1	1.0	93	53-138	
Bromobenzene	mg/kg	ND	1.1	0.97	89	56-133	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE SAMPLE: 1032462

Parameter	Units	10165790012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	mg/kg	ND	1.1	1.0	96	58-139	
Bromodichloromethane	mg/kg	ND	1.1	1.0	92	59-129	
Bromoform	mg/kg	ND	1.1	0.99	91	36-137	
Bromomethane	mg/kg	ND	1.1	1.5	140	30-150	CH
Carbon tetrachloride	mg/kg	ND	1.1	1.2	107	42-150	
Chlorobenzene	mg/kg	ND	1.1	0.96	88	60-134	
Chloroethane	mg/kg	ND	1.1	0.95	87	30-150	
Chloroform	mg/kg	ND	1.1	0.97	89	59-138	
Chloromethane	mg/kg	ND	1.1	0.98	90	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.1	0.97	89	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.1	1.0	92	55-135	
Dibromochloromethane	mg/kg	ND	1.1	1.0	93	47-136	
Dibromomethane	mg/kg	ND	1.1	0.92	85	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.1	0.87	80	30-150	
Dichlorofluoromethane	mg/kg	ND	1.1	1.4	125	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.1	0.98	90	53-142	
Ethylbenzene	mg/kg	ND	1.1	1.0	93	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.55	0.50	92	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.1	1.1	99	58-140	
Methyl-tert-butyl ether	mg/kg	ND	1.1	0.95	88	56-132	
Methylene Chloride	mg/kg	ND	1.1	0.93	80	48-137	
n-Butylbenzene	mg/kg	ND	1.1	1.1	99	50-150	
n-Propylbenzene	mg/kg	ND	1.1	1.1	99	64-142	
Naphthalene	mg/kg	ND	1.1	0.84	60	44-139	
p-Isopropyltoluene	mg/kg	ND	1.1	0.98	90	54-145	
sec-Butylbenzene	mg/kg	ND	1.1	1.1	99	72-135	
Styrene	mg/kg	ND	1.1	1.0	95	57-135	
tert-Butylbenzene	mg/kg	ND	1.1	0.97	89	58-148	
Tetrachloroethene	mg/kg	ND	1.1	1.1	98	54-141	
Tetrahydrofuran	mg/kg	ND	10.9	9.2	85	52-137	
Toluene	mg/kg	ND	1.1	1.0	94	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.1	1.0	95	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.1	1.0	93	57-130	
Trichloroethene	mg/kg	ND	1.1	1.0	96	51-142	
Trichlorofluoromethane	mg/kg	ND	1.1	1.0	96	50-150	
Vinyl chloride	mg/kg	ND	1.1	1.1	101	55-133	
Xylene (Total)	mg/kg	ND	3.2	3.1	96	52-141	
1,2-Dichloroethane-d4 (S)	%				83	30-150	
4-Bromofluorobenzene (S)	%				87	30-150	
Dibromofluoromethane (S)	%				88	30-150	
Toluene-d8 (S)	%				89	30-150	

SAMPLE DUPLICATE: 1032463

Parameter	Units	10165790013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1032463

Parameter	Units	10165790013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1032463

Parameter	Units	10165790013 Result	Dup Result	RPD	Max RPD	Qualifiers
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	89	84	6		
4-Bromofluorobenzene (S)	%	92	81	12		
Dibromofluoromethane (S)	%	96	89	8		
Toluene-d8 (S)	%	88	81	8		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MSV/17647 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166204007, 10166204010, 10166204021, 10166204022

METHOD BLANK: 1032547 Matrix: Water
Associated Lab Samples: 10166204007, 10166204010, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1-Dichloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,1-Dichloroethene	ug/L	ND	1.0	08/13/11 01:49	
1,1-Dichloropropene	ug/L	ND	1.0	08/13/11 01:49	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/13/11 01:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/13/11 01:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/13/11 01:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/13/11 01:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
1,2-Dichloroethane	ug/L	ND	1.0	08/13/11 01:49	
1,2-Dichloropropane	ug/L	ND	4.0	08/13/11 01:49	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/13/11 01:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
1,3-Dichloropropane	ug/L	ND	1.0	08/13/11 01:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
2,2-Dichloropropane	ug/L	ND	4.0	08/13/11 01:49	
2-Butanone (MEK)	ug/L	ND	4.0	08/13/11 01:49	
2-Chlorotoluene	ug/L	ND	1.0	08/13/11 01:49	
4-Chlorotoluene	ug/L	ND	1.0	08/13/11 01:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/13/11 01:49	
Acetone	ug/L	ND	25.0	08/13/11 01:49	CL
Allyl chloride	ug/L	ND	4.0	08/13/11 01:49	
Benzene	ug/L	ND	1.0	08/13/11 01:49	
Bromobenzene	ug/L	ND	1.0	08/13/11 01:49	
Bromochloromethane	ug/L	ND	1.0	08/13/11 01:49	
Bromodichloromethane	ug/L	ND	1.0	08/13/11 01:49	
Bromoform	ug/L	ND	4.0	08/13/11 01:49	
Bromomethane	ug/L	ND	4.0	08/13/11 01:49	
Carbon tetrachloride	ug/L	ND	1.0	08/13/11 01:49	
Chlorobenzene	ug/L	ND	1.0	08/13/11 01:49	
Chloroethane	ug/L	ND	1.0	08/13/11 01:49	
Chloroform	ug/L	ND	1.0	08/13/11 01:49	
Chloromethane	ug/L	ND	4.0	08/13/11 01:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/13/11 01:49	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/13/11 01:49	
Dibromochloromethane	ug/L	ND	1.0	08/13/11 01:49	
Dibromomethane	ug/L	ND	4.0	08/13/11 01:49	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1032547 Matrix: Water

Associated Lab Samples: 10166204007, 10166204010, 10166204021, 10166204022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/13/11 01:49	
Dichlorofluoromethane	ug/L	ND	1.0	08/13/11 01:49	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/13/11 01:49	
Ethylbenzene	ug/L	ND	1.0	08/13/11 01:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/13/11 01:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/13/11 01:49	
m&p-Xylene	ug/L	ND	2.0	08/13/11 01:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/13/11 01:49	
Methylene Chloride	ug/L	ND	4.0	08/13/11 01:49	
n-Butylbenzene	ug/L	ND	1.0	08/13/11 01:49	
n-Propylbenzene	ug/L	ND	1.0	08/13/11 01:49	
Naphthalene	ug/L	ND	4.0	08/13/11 01:49	
o-Xylene	ug/L	ND	1.0	08/13/11 01:49	
p-Isopropyltoluene	ug/L	ND	1.0	08/13/11 01:49	
sec-Butylbenzene	ug/L	ND	1.0	08/13/11 01:49	
Styrene	ug/L	ND	1.0	08/13/11 01:49	
tert-Butylbenzene	ug/L	ND	1.0	08/13/11 01:49	
Tetrachloroethene	ug/L	ND	1.0	08/13/11 01:49	
Tetrahydrofuran	ug/L	ND	10.0	08/13/11 01:49	
Toluene	ug/L	ND	1.0	08/13/11 01:49	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/13/11 01:49	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/13/11 01:49	
Trichloroethene	ug/L	ND	1.0	08/13/11 01:49	
Trichlorofluoromethane	ug/L	ND	1.0	08/13/11 01:49	
Vinyl chloride	ug/L	ND	0.40	08/13/11 01:49	
Xylene (Total)	ug/L	ND	3.0	08/13/11 01:49	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/13/11 01:49	
4-Bromofluorobenzene (S)	%	99	75-125	08/13/11 01:49	
Dibromofluoromethane (S)	%	101	75-125	08/13/11 01:49	
Toluene-d8 (S)	%	99	75-125	08/13/11 01:49	

LABORATORY CONTROL SAMPLE: 1032548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.3	95	75-125	
1,1,1-Trichloroethane	ug/L	50	46.2	92	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	45.3	91	75-125	
1,1,2-Trichloroethane	ug/L	50	46.6	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.1	88	75-126	
1,1-Dichloroethane	ug/L	50	46.0	92	75-125	
1,1-Dichloroethene	ug/L	50	44.8	90	75-125	
1,1-Dichloropropene	ug/L	50	45.5	91	75-125	
1,2,3-Trichlorobenzene	ug/L	50	47.5	95	68-128	
1,2,3-Trichloropropane	ug/L	50	46.8	94	75-125	
1,2,4-Trichlorobenzene	ug/L	50	47.1	94	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1032548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	46.3	93	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	45.9	92	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.0	94	75-125	
1,2-Dichlorobenzene	ug/L	50	46.7	93	75-125	
1,2-Dichloroethane	ug/L	50	47.1	94	71-125	
1,2-Dichloropropane	ug/L	50	47.5	95	75-125	
1,3,5-Trimethylbenzene	ug/L	50	46.2	92	75-125	
1,3-Dichlorobenzene	ug/L	50	45.3	91	75-125	
1,3-Dichloropropane	ug/L	50	46.0	92	75-125	
1,4-Dichlorobenzene	ug/L	50	45.6	91	75-125	
2,2-Dichloropropane	ug/L	50	39.5	79	69-132	
2-Butanone (MEK)	ug/L	50	40.8	82	56-137	
2-Chlorotoluene	ug/L	50	45.5	91	75-125	
4-Chlorotoluene	ug/L	50	45.9	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.0	96	67-125	
Acetone	ug/L	125	62.0	50	41-130	CL
Allyl chloride	ug/L	50	43.3	87	59-130	
Benzene	ug/L	50	45.8	92	75-125	
Bromobenzene	ug/L	50	45.9	92	75-125	
Bromochloromethane	ug/L	50	48.6	97	75-125	
Bromodichloromethane	ug/L	50	47.2	94	75-125	
Bromoform	ug/L	50	46.3	93	75-125	
Bromomethane	ug/L	50	40.4	81	45-138	
Carbon tetrachloride	ug/L	50	45.8	92	75-125	
Chlorobenzene	ug/L	50	46.4	93	75-125	
Chloroethane	ug/L	50	54.1	108	72-125	
Chloroform	ug/L	50	45.7	91	75-125	
Chloromethane	ug/L	50	44.3	89	65-125	
cis-1,2-Dichloroethene	ug/L	50	46.3	93	75-125	
cis-1,3-Dichloropropene	ug/L	50	47.0	94	75-125	
Dibromochloromethane	ug/L	50	46.2	92	75-125	
Dibromomethane	ug/L	50	48.3	97	75-125	
Dichlorodifluoromethane	ug/L	50	54.7	109	55-143	
Dichlorofluoromethane	ug/L	50	45.2	90	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	46.5	93	75-125	
Ethylbenzene	ug/L	50	45.4	91	75-125	
Hexachloro-1,3-butadiene	ug/L	25	22.8	91	69-132	
Isopropylbenzene (Cumene)	ug/L	50	46.6	93	75-125	
m&p-Xylene	ug/L	100	92.4	92	75-125	
Methyl-tert-butyl ether	ug/L	50	46.8	94	75-125	
Methylene Chloride	ug/L	50	46.5	93	75-125	
n-Butylbenzene	ug/L	50	45.2	90	75-125	
n-Propylbenzene	ug/L	50	45.2	90	75-125	
Naphthalene	ug/L	50	49.6	99	74-129	
o-Xylene	ug/L	50	46.3	93	75-125	
p-Isopropyltoluene	ug/L	50	46.5	93	75-125	
sec-Butylbenzene	ug/L	50	46.0	92	75-125	
Styrene	ug/L	50	46.8	94	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1032548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	46.6	93	75-125	
Tetrachloroethene	ug/L	50	44.8	90	75-125	
Tetrahydrofuran	ug/L	500	480	96	64-128	
Toluene	ug/L	50	45.1	90	75-125	
trans-1,2-Dichloroethene	ug/L	50	44.8	90	75-125	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	75-125	
Trichloroethene	ug/L	50	46.8	94	75-125	
Trichlorofluoromethane	ug/L	50	48.6	97	75-125	
Vinyl chloride	ug/L	50	52.2	104	74-125	
Xylene (Total)	ug/L	150	139	92	75-125	
1,2-Dichloroethane-d4 (S)	%			96	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			99	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1033081

Parameter	Units	10166111021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	46.4	93	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	48.5	97	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.8	88	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	45.3	91	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	53.2	106	75-150	
1,1-Dichloroethane	ug/L	ND	50	46.6	93	75-125	
1,1-Dichloroethene	ug/L	ND	50	49.8	100	75-134	
1,1-Dichloropropene	ug/L	ND	50	48.5	97	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	43.9	88	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	45.2	90	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	44.1	88	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	45.8	92	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	46.0	92	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	45.5	91	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	44.7	89	75-125	
1,2-Dichloroethane	ug/L	ND	50	45.7	91	69-129	
1,2-Dichloropropane	ug/L	ND	50	46.5	93	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	45.4	91	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	44.1	88	75-125	
1,3-Dichloropropane	ug/L	ND	50	44.3	89	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	44.1	88	75-125	
2,2-Dichloropropane	ug/L	ND	50	41.0	82	69-141	
2-Butanone (MEK)	ug/L	ND	50	38.0	76	42-137	
2-Chlorotoluene	ug/L	ND	50	44.8	90	68-147	
4-Chlorotoluene	ug/L	ND	50	44.8	90	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	46.0	92	57-126	
Acetone	ug/L	ND	125	55.4	44	34-130	CL
Allyl chloride	ug/L	ND	50	47.1	94	53-140	
Benzene	ug/L	ND	50	46.2	92	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE SAMPLE: 1033081

Parameter	Units	10166111021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	44.9	90	75-125	
Bromochloromethane	ug/L	ND	50	48.3	97	75-125	
Bromodichloromethane	ug/L	ND	50	46.1	92	75-125	
Bromoform	ug/L	ND	50	44.2	88	75-125	
Bromomethane	ug/L	ND	50	43.8	88	41-150	
Carbon tetrachloride	ug/L	ND	50	49.5	99	75-135	
Chlorobenzene	ug/L	ND	50	46.0	92	75-125	
Chloroethane	ug/L	ND	50	60.1	120	71-139	
Chloroform	ug/L	ND	50	45.6	91	75-125	
Chloromethane	ug/L	ND	50	44.7	89	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	46.7	93	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	45.3	91	75-125	
Dibromochloromethane	ug/L	ND	50	44.6	89	75-125	
Dibromomethane	ug/L	ND	50	45.7	91	75-125	
Dichlorodifluoromethane	ug/L	ND	50	66.1	132	55-150	
Dichlorofluoromethane	ug/L	ND	50	47.0	94	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	44.8	90	75-125	
Ethylbenzene	ug/L	ND	50	46.5	93	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	20.7	83	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	47.3	95	75-125	
m&p-Xylene	ug/L	ND	100	93.1	93	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	44.6	89	75-125	
Methylene Chloride	ug/L	ND	50	45.5	91	75-125	
n-Butylbenzene	ug/L	ND	50	43.5	87	75-141	
n-Propylbenzene	ug/L	ND	50	45.7	91	75-132	
Naphthalene	ug/L	ND	50	46.8	94	74-138	
o-Xylene	ug/L	ND	50	46.5	93	75-128	
p-Isopropyltoluene	ug/L	ND	50	45.5	91	75-133	
sec-Butylbenzene	ug/L	ND	50	45.8	92	75-136	
Styrene	ug/L	ND	50	45.0	90	72-125	
tert-Butylbenzene	ug/L	ND	50	46.8	94	75-132	
Tetrachloroethene	ug/L	ND	50	46.6	93	75-126	
Tetrahydrofuran	ug/L	ND	500	448	90	64-128	
Toluene	ug/L	ND	50	46.0	92	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	47.1	94	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	44.9	90	75-125	
Trichloroethene	ug/L	ND	50	48.1	96	75-125	
Trichlorofluoromethane	ug/L	ND	50	56.4	113	75-150	
Vinyl chloride	ug/L	ND	50	56.4	113	74-142	
Xylene (Total)	ug/L	ND	150	140	93	73-132	
1,2-Dichloroethane-d4 (S)	%				96	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				98	75-125	
Toluene-d8 (S)	%				99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1033080

Parameter	Units	10166111009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	CL
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1033080

Parameter	Units	10166111009 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	102	.7		
4-Bromofluorobenzene (S)	%	99	99	.004		
Dibromofluoromethane (S)	%	102	102	.6		
Toluene-d8 (S)	%	99	100	1		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MSV/17666 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166204012, 10166204015

METHOD BLANK: 1033547 Matrix: Water
Associated Lab Samples: 10166204012, 10166204015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloropropene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichloropropane	ug/L	ND	1.0	08/15/11 21:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
2,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
2-Butanone (MEK)	ug/L	ND	4.0	08/15/11 21:05	
2-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/15/11 21:05	
Acetone	ug/L	ND	25.0	08/15/11 21:05	CL
Allyl chloride	ug/L	ND	4.0	08/15/11 21:05	
Benzene	ug/L	ND	1.0	08/15/11 21:05	
Bromobenzene	ug/L	ND	1.0	08/15/11 21:05	
Bromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromodichloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromoform	ug/L	ND	4.0	08/15/11 21:05	
Bromomethane	ug/L	ND	4.0	08/15/11 21:05	
Carbon tetrachloride	ug/L	ND	1.0	08/15/11 21:05	
Chlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
Chloroethane	ug/L	ND	1.0	08/15/11 21:05	
Chloroform	ug/L	ND	1.0	08/15/11 21:05	
Chloromethane	ug/L	ND	4.0	08/15/11 21:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Dibromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Dibromomethane	ug/L	ND	4.0	08/15/11 21:05	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1033547 Matrix: Water

Associated Lab Samples: 10166204012, 10166204015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Dichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/15/11 21:05	
Ethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/15/11 21:05	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/15/11 21:05	
m&p-Xylene	ug/L	ND	2.0	08/15/11 21:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/15/11 21:05	
Methylene Chloride	ug/L	ND	4.0	08/15/11 21:05	
n-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
n-Propylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Naphthalene	ug/L	ND	4.0	08/15/11 21:05	
o-Xylene	ug/L	ND	1.0	08/15/11 21:05	
p-Isopropyltoluene	ug/L	ND	1.0	08/15/11 21:05	
sec-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Styrene	ug/L	ND	1.0	08/15/11 21:05	
tert-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Tetrachloroethene	ug/L	ND	1.0	08/15/11 21:05	
Tetrahydrofuran	ug/L	ND	10.0	08/15/11 21:05	
Toluene	ug/L	ND	1.0	08/15/11 21:05	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/15/11 21:05	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Trichloroethene	ug/L	ND	1.0	08/15/11 21:05	
Trichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Vinyl chloride	ug/L	ND	0.40	08/15/11 21:05	
Xylene (Total)	ug/L	ND	3.0	08/15/11 21:05	
1,2-Dichloroethane-d4 (S)	%	100	75-125	08/15/11 21:05	
4-Bromofluorobenzene (S)	%	99	75-125	08/15/11 21:05	
Dibromofluoromethane (S)	%	102	75-125	08/15/11 21:05	
Toluene-d8 (S)	%	99	75-125	08/15/11 21:05	

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	75-125	
1,1,1-Trichloroethane	ug/L	50	51.7	103	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	47.3	95	75-125	
1,1,2-Trichloroethane	ug/L	50	50.1	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.9	90	75-126	
1,1-Dichloroethane	ug/L	50	51.2	102	75-125	
1,1-Dichloroethene	ug/L	50	51.6	103	75-125	
1,1-Dichloropropene	ug/L	50	51.1	102	75-125	
1,2,3-Trichlorobenzene	ug/L	50	49.7	99	68-128	
1,2,3-Trichloropropane	ug/L	50	48.9	98	75-125	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.4	99	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	75-125	
1,2-Dichlorobenzene	ug/L	50	49.2	98	75-125	
1,2-Dichloroethane	ug/L	50	51.1	102	71-125	
1,2-Dichloropropane	ug/L	50	51.1	102	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.3	99	75-125	
1,3-Dichlorobenzene	ug/L	50	48.5	97	75-125	
1,3-Dichloropropane	ug/L	50	48.5	97	75-125	
1,4-Dichlorobenzene	ug/L	50	48.1	96	75-125	
2,2-Dichloropropane	ug/L	50	46.0	92	69-132	
2-Butanone (MEK)	ug/L	50	43.2	86	56-137	
2-Chlorotoluene	ug/L	50	48.0	96	75-125	
4-Chlorotoluene	ug/L	50	49.2	98	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.4	99	67-125	
Acetone	ug/L	125	65.6	52	41-130	CL
Allyl chloride	ug/L	50	51.8	104	59-130	
Benzene	ug/L	50	51.1	102	75-125	
Bromobenzene	ug/L	50	48.6	97	75-125	
Bromochloromethane	ug/L	50	55.0	110	75-125	
Bromodichloromethane	ug/L	50	51.3	103	75-125	
Bromoform	ug/L	50	49.7	99	75-125	
Bromomethane	ug/L	50	40.9	82	45-138	
Carbon tetrachloride	ug/L	50	50.9	102	75-125	
Chlorobenzene	ug/L	50	49.4	99	75-125	
Chloroethane	ug/L	50	54.9	110	72-125	
Chloroform	ug/L	50	50.7	101	75-125	
Chloromethane	ug/L	50	51.1	102	65-125	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	75-125	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	75-125	
Dibromochloromethane	ug/L	50	49.1	98	75-125	
Dibromomethane	ug/L	50	51.5	103	75-125	
Dichlorodifluoromethane	ug/L	50	49.6	99	55-143	
Dichlorofluoromethane	ug/L	50	51.2	102	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	51.1	102	75-125	
Ethylbenzene	ug/L	50	48.9	98	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.1	96	69-132	
Isopropylbenzene (Cumene)	ug/L	50	50.3	101	75-125	
m&p-Xylene	ug/L	100	99.6	100	75-125	
Methyl-tert-butyl ether	ug/L	50	50.7	101	75-125	
Methylene Chloride	ug/L	50	50.7	101	75-125	
n-Butylbenzene	ug/L	50	48.9	98	75-125	
n-Propylbenzene	ug/L	50	48.5	97	75-125	
Naphthalene	ug/L	50	51.0	102	74-129	
o-Xylene	ug/L	50	49.9	100	75-125	
p-Isopropyltoluene	ug/L	50	50.0	100	75-125	
sec-Butylbenzene	ug/L	50	49.5	99	75-125	
Styrene	ug/L	50	49.8	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	49.5	99	75-125	
Tetrachloroethene	ug/L	50	49.3	99	75-125	
Tetrahydrofuran	ug/L	500	505	101	64-128	
Toluene	ug/L	50	47.8	96	75-125	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	75-125	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	75-125	
Trichloroethene	ug/L	50	52.2	104	75-125	
Trichlorofluoromethane	ug/L	50	50.9	102	75-125	
Vinyl chloride	ug/L	50	56.4	113	74-125	
Xylene (Total)	ug/L	150	150	100	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.2	98	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.0	102	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	44.7	89	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	48.1	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	57.8	116	75-150	
1,1-Dichloroethane	ug/L	ND	50	48.5	97	75-125	
1,1-Dichloroethene	ug/L	ND	50	51.7	103	75-134	
1,1-Dichloropropene	ug/L	ND	50	52.9	106	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	49.0	98	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	46.2	92	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.9	98	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	48.8	98	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	48.0	96	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	47.9	96	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.4	99	75-125	
1,2-Dichloroethane	ug/L	ND	50	50.5	101	69-129	
1,2-Dichloropropane	ug/L	ND	50	49.2	98	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	48.1	96	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichloropropane	ug/L	ND	50	46.7	93	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	75-125	
2,2-Dichloropropane	ug/L	ND	50	46.5	93	69-141	
2-Butanone (MEK)	ug/L	ND	50	42.3	85	42-137	
2-Chlorotoluene	ug/L	ND	50	48.4	97	68-147	
4-Chlorotoluene	ug/L	ND	50	50.3	101	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	48.0	96	57-126	
Acetone	ug/L	ND	125	62.9	50	34-130	CL
Allyl chloride	ug/L	ND	50	47.3	95	53-140	
Benzene	ug/L	ND	50	52.9	106	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	49.1	98	75-125	
Bromochloromethane	ug/L	ND	50	54.7	109	75-125	
Bromodichloromethane	ug/L	ND	50	50.5	101	75-125	
Bromoform	ug/L	ND	50	49.3	99	75-125	
Bromomethane	ug/L	ND	50	38.5	77	41-150	
Carbon tetrachloride	ug/L	ND	50	55.1	110	75-135	
Chlorobenzene	ug/L	ND	50	50.6	101	75-125	
Chloroethane	ug/L	ND	50	55.6	111	71-139	
Chloroform	ug/L	ND	50	53.2	106	75-125	
Chloromethane	ug/L	ND	50	48.3	97	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	48.7	97	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	49.3	99	75-125	
Dibromochloromethane	ug/L	ND	50	48.3	97	75-125	
Dibromomethane	ug/L	ND	50	51.1	102	75-125	
Dichlorodifluoromethane	ug/L	ND	50	61.2	122	55-150	
Dichlorofluoromethane	ug/L	ND	50	51.7	103	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.5	97	75-125	
Ethylbenzene	ug/L	ND	50	49.6	99	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	24.2	97	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.3	99	75-125	
m&p-Xylene	ug/L	ND	100	99.6	100	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	49.8	100	75-125	
Methylene Chloride	ug/L	ND	50	53.1	102	75-125	
n-Butylbenzene	ug/L	ND	50	48.2	96	75-141	
n-Propylbenzene	ug/L	ND	50	49.5	99	75-132	
Naphthalene	ug/L	ND	50	49.5	99	74-138	
o-Xylene	ug/L	ND	50	49.4	99	75-128	
p-Isopropyltoluene	ug/L	ND	50	49.7	99	75-133	
sec-Butylbenzene	ug/L	ND	50	50.0	100	75-136	
Styrene	ug/L	ND	50	45.5	91	72-125	
tert-Butylbenzene	ug/L	ND	50	50.0	100	75-132	
Tetrachloroethene	ug/L	ND	50	50.6	99	75-126	
Tetrahydrofuran	ug/L	ND	500	490	98	64-128	
Toluene	ug/L	ND	50	49.5	99	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	49.6	99	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	48.9	98	75-125	
Trichloroethene	ug/L	ND	50	51.7	103	75-125	
Trichlorofluoromethane	ug/L	ND	50	56.1	112	75-150	
Vinyl chloride	ug/L	ND	50	54.5	109	74-142	
Xylene (Total)	ug/L	ND	150	149	99	73-132	
1,2-Dichloroethane-d4 (S)	%				97	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	CL
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	100	1		
4-Bromofluorobenzene (S)	%	98	98	.09		
Dibromofluoromethane (S)	%	103	103	.3		
Toluene-d8 (S)	%	98	98	.2		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: MSV/17670 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166204004

METHOD BLANK: 1033942 Matrix: Water
Associated Lab Samples: 10166204004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloroethene	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloropropene	ug/L	ND	1.0	08/16/11 16:26	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,3-Dichloropropane	ug/L	ND	1.0	08/16/11 16:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
2,2-Dichloropropane	ug/L	ND	4.0	08/16/11 16:26	
2-Butanone (MEK)	ug/L	ND	4.0	08/16/11 16:26	
2-Chlorotoluene	ug/L	ND	1.0	08/16/11 16:26	
4-Chlorotoluene	ug/L	ND	1.0	08/16/11 16:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/16/11 16:26	
Acetone	ug/L	ND	25.0	08/16/11 16:26	
Allyl chloride	ug/L	ND	4.0	08/16/11 16:26	
Benzene	ug/L	ND	1.0	08/16/11 16:26	
Bromobenzene	ug/L	ND	1.0	08/16/11 16:26	
Bromochloromethane	ug/L	ND	1.0	08/16/11 16:26	
Bromodichloromethane	ug/L	ND	1.0	08/16/11 16:26	
Bromoform	ug/L	ND	4.0	08/16/11 16:26	
Bromomethane	ug/L	ND	4.0	08/16/11 16:26	
Carbon tetrachloride	ug/L	ND	1.0	08/16/11 16:26	
Chlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
Chloroethane	ug/L	ND	1.0	08/16/11 16:26	
Chloroform	ug/L	ND	1.0	08/16/11 16:26	
Chloromethane	ug/L	ND	4.0	08/16/11 16:26	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/16/11 16:26	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/16/11 16:26	
Dibromochloromethane	ug/L	ND	1.0	08/16/11 16:26	
Dibromomethane	ug/L	ND	4.0	08/16/11 16:26	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

METHOD BLANK: 1033942 Matrix: Water

Associated Lab Samples: 10166204004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Dichlorofluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/16/11 16:26	
Ethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/16/11 16:26	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/16/11 16:26	
m&p-Xylene	ug/L	ND	2.0	08/16/11 16:26	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/16/11 16:26	
Methylene Chloride	ug/L	ND	4.0	08/16/11 16:26	
n-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
n-Propylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Naphthalene	ug/L	ND	4.0	08/16/11 16:26	
o-Xylene	ug/L	ND	1.0	08/16/11 16:26	
p-Isopropyltoluene	ug/L	ND	1.0	08/16/11 16:26	
sec-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Styrene	ug/L	ND	1.0	08/16/11 16:26	
tert-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Tetrachloroethene	ug/L	ND	1.0	08/16/11 16:26	
Tetrahydrofuran	ug/L	ND	10.0	08/16/11 16:26	
Toluene	ug/L	ND	1.0	08/16/11 16:26	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/16/11 16:26	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/16/11 16:26	
Trichloroethene	ug/L	ND	1.0	08/16/11 16:26	
Trichlorofluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Vinyl chloride	ug/L	ND	0.40	08/16/11 16:26	
Xylene (Total)	ug/L	ND	3.0	08/16/11 16:26	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/16/11 16:26	
4-Bromofluorobenzene (S)	%	100	75-125	08/16/11 16:26	
Dibromofluoromethane (S)	%	102	75-125	08/16/11 16:26	
Toluene-d8 (S)	%	101	75-125	08/16/11 16:26	

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	75-125	
1,1,1-Trichloroethane	ug/L	20	19.7	99	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	75-125	
1,1,2-Trichloroethane	ug/L	20	20.5	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.5	97	75-126	
1,1-Dichloroethane	ug/L	20	19.4	97	75-125	
1,1-Dichloroethene	ug/L	20	19.9	99	75-125	
1,1-Dichloropropene	ug/L	20	19.4	97	75-125	
1,2,3-Trichlorobenzene	ug/L	20	19.9	100	68-128	
1,2,3-Trichloropropane	ug/L	20	19.8	99	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.9	99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	68-125	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	75-125	
1,2-Dichlorobenzene	ug/L	20	19.9	100	75-125	
1,2-Dichloroethane	ug/L	20	19.8	99	71-125	
1,2-Dichloropropane	ug/L	20	20.2	101	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,3-Dichlorobenzene	ug/L	20	19.8	99	75-125	
1,3-Dichloropropane	ug/L	20	20.7	103	75-125	
1,4-Dichlorobenzene	ug/L	20	19.4	97	75-125	
2,2-Dichloropropane	ug/L	20	20.3	101	69-132	
2-Butanone (MEK)	ug/L	20	18.5	93	56-137	
2-Chlorotoluene	ug/L	20	19.9	99	75-125	
4-Chlorotoluene	ug/L	20	19.8	99	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.2	101	67-125	
Acetone	ug/L	50	39.5	79	41-130	
Allyl chloride	ug/L	20	20.7	103	59-130	
Benzene	ug/L	20	19.6	98	75-125	
Bromobenzene	ug/L	20	20.0	100	75-125	
Bromochloromethane	ug/L	20	21.0	105	75-125	
Bromodichloromethane	ug/L	20	20.1	100	75-125	
Bromoform	ug/L	20	19.3	97	75-125	
Bromomethane	ug/L	20	17.5	87	45-138	
Carbon tetrachloride	ug/L	20	19.8	99	75-125	
Chlorobenzene	ug/L	20	20.4	102	75-125	
Chloroethane	ug/L	20	20.2	101	72-125	
Chloroform	ug/L	20	19.8	99	75-125	
Chloromethane	ug/L	20	19.0	95	65-125	
cis-1,2-Dichloroethene	ug/L	20	19.9	100	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.3	102	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	20.3	101	75-125	
Dichlorodifluoromethane	ug/L	20	18.8	94	55-143	
Dichlorofluoromethane	ug/L	20	19.9	100	75-125	
Diethyl ether (Ethyl ether)	ug/L	20	20.5	103	75-125	
Ethylbenzene	ug/L	20	20.1	100	75-125	
Hexachloro-1,3-butadiene	ug/L	10	9.8	98	69-132	
Isopropylbenzene (Cumene)	ug/L	20	20.5	103	75-125	
m&p-Xylene	ug/L	40	40.5	101	75-125	
Methyl-tert-butyl ether	ug/L	20	20.2	101	75-125	
Methylene Chloride	ug/L	20	20.3	102	75-125	
n-Butylbenzene	ug/L	20	20.2	101	75-125	
n-Propylbenzene	ug/L	20	20.3	102	75-125	
Naphthalene	ug/L	20	20.2	101	74-129	
o-Xylene	ug/L	20	20.3	102	75-125	
p-Isopropyltoluene	ug/L	20	20.5	102	75-125	
sec-Butylbenzene	ug/L	20	20.2	101	75-125	
Styrene	ug/L	20	20.2	101	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	20.1	100	75-125	
Tetrachloroethene	ug/L	20	19.7	99	75-125	
Tetrahydrofuran	ug/L	200	201	101	64-128	
Toluene	ug/L	20	19.9	100	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	75-125	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	75-125	
Trichloroethene	ug/L	20	19.7	99	75-125	
Trichlorofluoromethane	ug/L	20	18.8	94	75-125	
Vinyl chloride	ug/L	20	18.6	93	74-125	
Xylene (Total)	ug/L	60	60.8	101	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034956 1034957

Parameter	Units	10166572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.9	20.1	99	100	75-125	.8	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.2	21.0	111	105	75-128	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.3	19.9	101	99	75-125	2	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.2	20.4	101	102	75-125	.9	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	24.8	23.5	124	117	75-150	5	30	
1,1-Dichloroethane	ug/L	ND	20	20	21.0	20.2	105	101	75-125	4	30	
1,1-Dichloroethene	ug/L	ND	20	20	23.3	21.9	117	109	75-134	6	30	
1,1-Dichloropropene	ug/L	ND	20	20	22.5	21.5	112	108	75-131	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20.1	19.9	100	100	67-145	.7	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	20.9	19.9	105	99	75-125	5	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20.3	20.0	101	100	74-138	1	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.7	20.6	104	103	75-126	.6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.2	20.2	96	101	68-129	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	20.1	101	101	75-125	.1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.0	20.0	100	100	75-125	.08	30	
1,2-Dichloroethane	ug/L	ND	20	20	20.2	19.9	101	99	69-129	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	20.5	19.8	103	99	75-125	3	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.0	20.5	105	103	75-125	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.0	19.9	100	100	75-125	.4	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.3	20.0	102	100	75-125	2	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	19.8	19.7	99	99	75-125	.5	30	
2,2-Dichloropropane	ug/L	ND	20	20	23.1	21.7	115	108	69-141	6	30	
2-Butanone (MEK)	ug/L	ND	20	20	18.0	18.1	90	90	42-137	.7	30	
2-Chlorotoluene	ug/L	ND	20	20	20.8	20.4	104	102	68-147	2	30	
4-Chlorotoluene	ug/L	ND	20	20	20.8	20.5	104	103	75-130	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.8	20.0	99	100	57-126	1	30	
Acetone	ug/L	ND	50	50	39.0	38.6	78	77	34-130	1	30	
Allyl chloride	ug/L	ND	20	20	22.9	21.3	114	107	53-140	7	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034956 1034957

Parameter	Units	10166572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	21.0	20.4	105	102	73-136	3	30	
Bromobenzene	ug/L	ND	20	20	20.7	20.2	104	101	75-125	3	30	
Bromochloromethane	ug/L	ND	20	20	20.8	20.2	104	101	75-125	3	30	
Bromodichloromethane	ug/L	ND	20	20	20.0	19.8	100	99	75-125	.9	30	
Bromoform	ug/L	ND	20	20	19.3	19.0	96	95	75-125	2	30	
Bromomethane	ug/L	ND	20	20	20.0	20.5	100	102	41-150	2	30	
Carbon tetrachloride	ug/L	ND	20	20	22.2	21.6	111	108	75-135	3	30	
Chlorobenzene	ug/L	ND	20	20	20.7	20.4	104	102	75-125	1	30	
Chloroethane	ug/L	ND	20	20	22.5	22.0	113	110	71-139	2	30	
Chloroform	ug/L	ND	20	20	20.7	20.3	103	101	75-125	2	30	
Chloromethane	ug/L	ND	20	20	22.7	21.1	110	101	65-144	8	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.6	20.6	108	103	75-125	5	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.2	19.8	101	99	75-125	2	30	
Dibromochloromethane	ug/L	ND	20	20	20.0	19.7	100	98	75-125	2	30	
Dibromomethane	ug/L	ND	20	20	19.5	19.8	97	99	75-125	1	30	
Dichlorodifluoromethane	ug/L	ND	20	20	24.4	23.8	122	119	55-150	3	30	
Dichlorofluoromethane	ug/L	ND	20	20	21.8	20.6	109	103	75-129	5	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	20.2	19.8	101	99	75-125	2	30	
Ethylbenzene	ug/L	ND	20	20	21.2	20.7	106	104	75-137	2	30	
Hexachloro-1,3-butadiene	ug/L	ND	10	10	10.9	10.5	109	105	69-150	3	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.4	20.8	107	104	75-125	3	30	
m&p-Xylene	ug/L	ND	40	40	42.2	41.2	105	103	71-133	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.8	19.8	99	99	75-125	.01	30	
Methylene Chloride	ug/L	ND	20	20	23.0	20.5	115	102	75-125	12	30	
n-Butylbenzene	ug/L	ND	20	20	21.3	21.0	106	105	75-141	1	30	
n-Propylbenzene	ug/L	ND	20	20	21.4	20.9	107	105	75-132	2	30	
Naphthalene	ug/L	ND	20	20	20.4	20.7	102	103	74-138	1	30	
o-Xylene	ug/L	ND	20	20	21.0	20.6	105	103	75-128	2	30	
p-Isopropyltoluene	ug/L	ND	20	20	21.4	20.9	107	105	75-133	2	30	
sec-Butylbenzene	ug/L	ND	20	20	21.5	21.0	108	105	75-136	3	30	
Styrene	ug/L	ND	20	20	20.6	20.0	103	100	72-125	3	30	
tert-Butylbenzene	ug/L	ND	20	20	21.1	20.8	105	104	75-132	1	30	
Tetrachloroethene	ug/L	ND	20	20	21.5	21.1	108	105	75-126	2	30	
Tetrahydrofuran	ug/L	ND	200	200	196	201	98	101	64-128	3	30	
Toluene	ug/L	ND	20	20	21.1	20.5	106	103	75-125	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.1	21.0	110	105	75-127	5	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.1	19.9	101	100	75-125	.8	30	
Trichloroethene	ug/L	ND	20	20	21.6	20.4	108	102	75-125	6	30	
Trichlorofluoromethane	ug/L	ND	20	20	23.7	22.7	119	114	75-150	4	30	
Vinyl chloride	ug/L	ND	20	20	21.9	21.4	110	107	74-142	3	30	
Xylene (Total)	ug/L	ND	60	60	63.2	61.8	105	103	73-132	2	30	
1,2-Dichloroethane-d4 (S)	%						101	97	75-125			
4-Bromofluorobenzene (S)	%						101	102	75-125			
Dibromofluoromethane (S)	%						100	100	75-125			
Toluene-d8 (S)	%						100	100	75-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: WETA/17304 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 10166204003, 10166204005, 10166204009

METHOD BLANK: 861105 Matrix: Solid
Associated Lab Samples: 10166204003, 10166204005, 10166204009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.15	08/17/11 19:15	

LABORATORY CONTROL SAMPLE: 861106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3.1	3.1	99	80-120	

MATRIX SPIKE SAMPLE: 861107

Parameter	Units	10166204003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	ND	4.09	2.9	69	30-116	

SAMPLE DUPLICATE: 861108

Parameter	Units	10166204005 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/kg	0.19	ND		25	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166204

QC Batch: WETA/10910 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: SM4500CN-E Cyanide
Associated Lab Samples: 10166204004, 10166204010

METHOD BLANK: 1033179 Matrix: Water
Associated Lab Samples: 10166204004, 10166204010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/16/11 14:36	

LABORATORY CONTROL SAMPLE: 1033180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	250	249	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033181 1033182

Parameter	Units	10166069003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	<5.0	250	250	246	242	98	97	80-120	2	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033183 1033184

Parameter	Units	10165952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	ND	250	250	239	246	94	97	80-120	3	30	

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166204

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSSV/6994

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Surrogate recovery outside laboratory control limits due to matrix interferences.
C0	Result confirmed by second analysis.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
H2	Extraction or preparation was conducted outside of the recognized method holding time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166204

ANALYTE QUALIFIERS

M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
S0	Surrogate recovery outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
T6	High boiling point hydrocarbons are present in the sample.
T7	Low boiling point hydrocarbons are present in the sample.
p2	Post-analysis pH measurement indicates pH > 2.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166204017	**GP-12-12**	EPA 3550	OEXT/16516	EPA 8082	GCSV/8534
10166204019	**GP-14-4**	EPA 3550	OEXT/16330	EPA 8082	GCSV/8476
10166204020	**GP-14-8**	EPA 3550	OEXT/16330	EPA 8082	GCSV/8476
10166204001	**GP-07-16**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204002	**GP-07-4**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204003	**GP-07-8**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204005	**GP-08-5**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204006	**GP-08-14**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204008	**GP-09-5**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204009	**GP-09-10**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204017	**GP-12-12**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204019	**GP-14-4**	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166204005	**GP-08-5**	WI MOD DRO	OEXT/16678	WI MOD DRO	GCSV/8597
10166204006	**GP-08-14**	WI MOD DRO	OEXT/16678	WI MOD DRO	GCSV/8597
10166204008	**GP-09-5**	WI MOD DRO	OEXT/16678	WI MOD DRO	GCSV/8597
10166204004	**GP-07-8.5W**	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166204010	**GP-09-9.5W**	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166204021	**GP-14-8.5W**	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166204022	**GP-12-15W**	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166204001	**GP-07-16**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204002	**GP-07-4**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204003	**GP-07-8**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204005	**GP-08-5**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204006	**GP-08-14**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204008	**GP-09-5**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204009	**GP-09-10**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204017	**GP-12-12**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204019	**GP-14-4**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204024	**Trip Blank**	TPH GRO/PVOC WI ext.	GCV/8292	WI MOD GRO	GCV/8293
10166204004	**GP-07-8.5W**	WI MOD GRO	GCV/8295		
10166204010	**GP-09-9.5W**	WI MOD GRO	GCV/8295		
10166204021	**GP-14-8.5W**	WI MOD GRO	GCV/8295		
10166204022	**GP-12-15W**	WI MOD GRO	GCV/8295		
10166204001	**GP-07-16**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204002	**GP-07-4**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204003	**GP-07-8**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204005	**GP-08-5**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204006	**GP-08-14**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204008	**GP-09-5**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204009	**GP-09-10**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204011	**GP-10-7**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204013	**GP-11-4**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204014	**GP-11-7**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204016	**GP-12-8**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204017	**GP-12-12**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166204018	**GP-13-10**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204019	**GP-14-4**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204020	**GP-14-8**	EPA 3050	MPRP/27692	EPA 6010	ICP/11740
10166204017	**GP-12-12**	EPA 3010	MPRP/28156	EPA 6010	ICP/11895
10166204004	**GP-07-8.5W**	EPA 3010	MPRP/27731	EPA 6010	ICP/11744
10166204010	**GP-09-9.5W**	EPA 3010	MPRP/27731	EPA 6010	ICP/11744
10166204022	**GP-12-15W**	EPA 3010	MPRP/27731	EPA 6010	ICP/11744
10166204004	**GP-07-8.5W**	EPA 7470	MERP/5798	EPA 7470	MERC/6594
10166204010	**GP-09-9.5W**	EPA 7470	MERP/5798	EPA 7470	MERC/6594
10166204022	**GP-12-15W**	EPA 7470	MERP/5798	EPA 7470	MERC/6594
10166204001	**GP-07-16**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204002	**GP-07-4**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204003	**GP-07-8**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204005	**GP-08-5**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204006	**GP-08-14**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204008	**GP-09-5**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204009	**GP-09-10**	EPA 7471	MERP/5786	EPA 7471	MERC/6603
10166204011	**GP-10-7**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204013	**GP-11-4**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204014	**GP-11-7**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204016	**GP-12-8**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204017	**GP-12-12**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204018	**GP-13-10**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204019	**GP-14-4**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204020	**GP-14-8**	EPA 7471	MERP/5787	EPA 7471	MERC/6597
10166204001	**GP-07-16**	% Moisture	MPRP/27795		
10166204002	**GP-07-4**	% Moisture	MPRP/27795		
10166204003	**GP-07-8**	% Moisture	MPRP/27795		
10166204005	**GP-08-5**	% Moisture	MPRP/27795		
10166204006	**GP-08-14**	% Moisture	MPRP/27795		
10166204008	**GP-09-5**	% Moisture	MPRP/27795		
10166204009	**GP-09-10**	% Moisture	MPRP/27795		
10166204011	**GP-10-7**	% Moisture	MPRP/27795		
10166204013	**GP-11-4**	% Moisture	MPRP/27795		
10166204014	**GP-11-7**	% Moisture	MPRP/27795		
10166204016	**GP-12-8**	% Moisture	MPRP/27795		
10166204017	**GP-12-12**	% Moisture	MPRP/27795		
10166204018	**GP-13-10**	% Moisture	MPRP/27795		
10166204019	**GP-14-4**	% Moisture	MPRP/27799		
10166204020	**GP-14-8**	% Moisture	MPRP/27799		
10166204001	**GP-07-16**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204002	**GP-07-4**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204003	**GP-07-8**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204005	**GP-08-5**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204006	**GP-08-14**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166204008	**GP-09-5**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204009	**GP-09-10**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204011	**GP-10-7**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204013	**GP-11-4**	EPA 3550	OEXT/16393	EPA 8270	MSSV/7013
10166204014	**GP-11-7**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204016	**GP-12-8**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204017	**GP-12-12**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204018	**GP-13-10**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204019	**GP-14-4**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204020	**GP-14-8**	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166204004	**GP-07-8.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204007	**GP-08-9.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204010	**GP-09-9.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204012	**GP-10-6.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204015	**GP-10-6.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204021	**GP-14-8.5W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204022	**GP-12-15W**	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166204001	**GP-07-16**	EPA 5035/5030B	MSV/17640	EPA 8260	MSV/17641
10166204002	**GP-07-4**	EPA 5035/5030B	MSV/17640	EPA 8260	MSV/17641
10166204003	**GP-07-8**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204005	**GP-08-5**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204006	**GP-08-14**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204008	**GP-09-5**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204009	**GP-09-10**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204011	**GP-10-7**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204013	**GP-11-4**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204014	**GP-11-7**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204016	**GP-12-8**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204017	**GP-12-12**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204018	**GP-13-10**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204019	**GP-14-4**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204020	**GP-14-8**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204024	**Trip Blank**	EPA 5035/5030B	MSV/17644	EPA 8260	MSV/17645
10166204004	**GP-07-8.5W**	EPA 8260	MSV/17670		
10166204007	**GP-08-9.5W**	EPA 8260	MSV/17647		
10166204010	**GP-09-9.5W**	EPA 8260	MSV/17647		
10166204012	**GP-10-6.5W**	EPA 8260	MSV/17666		
10166204015	**GP-10-6.5W**	EPA 8260	MSV/17666		
10166204021	**GP-14-8.5W**	EPA 8260	MSV/17647		
10166204022	**GP-12-15W**	EPA 8260	MSV/17647		
10166204003	**GP-07-8**	SM 4500-CN-E	WETA/17304		
10166204005	**GP-08-5**	SM 4500-CN-E	WETA/17304		
10166204009	**GP-09-10**	SM 4500-CN-E	WETA/17304		
10166204004	**GP-07-8.5W**	SM 4500-CN-E	WETA/10910		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166204

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166204010	**GP-09-9.5W**	SM 4500-CN-E	WETA/10910		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10166804
10166154 and 8-11-11

Page : 1 Of 2

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive, Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I:	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	25286 25166

Minnesota

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-07-16		WT		8/9	930													X	X	X	X	X					X		10166804
2	GP-07-4		SL		8/8	1000													X	X	X	X	X					X		10166154 001
3	GP-07-8		SL		8/9	1005													X	X	X	X	X					X		002
4	GP-07-24W		WT		8/9	930													X	X	X	X			X			X		003
5	GP-08-5		SL		8/9	1115													X	X	X	X			X					004
6	GP-08-14		SL		8/9	1130													X	X	X	X			X			X		005
7	GP-08-24W		WT		8/9	1120													X	X	X	X	X					X		006
8	GP-09-5		SL		8/9	1200															X									007
9	GP-09-10		SL		8/9	1215													X	X	X	X	X					X		008
10	GP-09-16W		WT		8/9	1200													X	X	X	X			X			X		009
11	GP-10-7		SL		8/9	1300													X	X	X	X			X					010
12	GP-10-12W		WT		8/9	1315															X							X		011
																					X	X						X		012

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	8/10	1000		8/10/11	1730	3.2	Y	N	Y
	8/10	1743		8-10-11	17:46	2.8			
						4.4			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10166204

Section A
Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B
Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson 3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project #:	STLOU 106311
Container Order Number:	49263

Section C
Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency:

State / Location: Minnesota

SAMPLE ID

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Field Filtered (Y/N)

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-11-4		SL		8/9	1350															X	X	X						X		10166204013
2	GP-11-7		SL		8/9	1400															X	X	X						X		014
3	GP-11-9W		WT		8/9	1345															X	X									015
4	GP-12-3		SL		8/9	1430															X	X	X						X		016
5	GP-12-12		SL		8/9	1500													X	X	X	X	X						X		017
6	GP-13-10		SL		8/9	1530															X	X	X						X		018
7	GP-14-4		SL		8/9	1620													X	X	X	X	X	X							019
8	GP-14-8		SL		8/9	1645															X	X	X	X							020
9	GP-14-17W		WT		8/9	1700													X	X	X	X									021
10	GP-12-16W		WT		8/9	1500													X	X	X	X									022
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] Pace	8/10/11	1746	[signature] Pace	8/10/11	1720	3.2	Y	N	Y
				[signature] Pace	8/10/11	17:46	2.8			
							4.4			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: SHORT ELLIOTT HENDRICKSON Project # 10166204

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☒ No _____

Thermometer Used: 80344042 or (80512447) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 2.8, 3.2, 4.1 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 8/10/11 fm

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 6 EXTRA VOA VIALS RECIEVED, NOT ON COC (04) MEOH VIALS GP12-8 ON COC IS LABELED GP12-7 14:3
-Includes date/time/ID/Analysis Matrix: SL / WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☑Yes ☐No ☐N/A	13. ☑HNO3 ☐H2SO4 ☑NaOH ☐HCl Samp # 07-24W 09-16W 12-16W (1) (X) 07-24W 09-16W (1) (1)
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 060611-3		Soil Trip Blank (2 Trip Blank)

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Ben Kinny Date/Time: 8-12-11

Comments/ Resolution:

GP-12-8 is correct
extra vials labeled GP-04 not on COC one
really GP-04-8.5W # 10165911010
Meoh analysis added to GP-12-16W

Project Manager Review: CMM Date: 8-12-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 20, 2011

John Kinny
SEH
3535 Vadnais Center Drive
Saint Paul, MN 55110

RE: Project: STLOU 106311 REV
Pace Project No.: 10166284

Dear John Kinny:
Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

This report has been revised to change the units of measure for some compounds.

This report was revised to add DRO with silica gel clean up.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

cc: Christine Carlson, Short Elliott Hendrickson

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CERTIFICATIONS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10166284001	**GP-15-04**	Solid	08/10/11 09:00	08/11/11 16:55
10166284002	**GP-16-8**	Solid	08/10/11 10:00	08/11/11 16:55
10166284003	**GP-16-16**	Solid	08/10/11 10:10	08/11/11 16:55
10166284004	**GP-17-4**	Solid	08/10/11 10:45	08/11/11 16:55
10166284005	**GP-17-8**	Solid	08/10/11 11:00	08/11/11 16:55
10166284006	**GP-17-20**	Water	08/10/11 11:10	08/11/11 16:55
10166284007	**GP-18-6**	Solid	08/10/11 12:00	08/11/11 16:55
10166284008	**GP-18-3W**	Water	08/10/11 12:10	08/11/11 16:55
10166284009	**GP-19-5**	Solid	08/10/11 13:40	08/11/11 16:55
10166284010	**GP-19-11W**	Water	08/10/11 13:45	08/11/11 16:55
10166284011	**GP-20-6**	Solid	08/10/11 14:30	08/11/11 16:55
10166284012	**GP-20-6W**	Water	08/10/11 14:45	08/11/11 16:55
10166284013	**GP-21-8**	Solid	08/10/11 15:45	08/11/11 16:55
10166284014	**GP-21-12**	Solid	08/10/11 16:00	08/11/11 16:55
10166284015	**GP-21-8W**	Water	08/10/11 15:45	08/11/11 16:55
10166284016	**GP-22-4**	Solid	08/10/11 16:40	08/11/11 16:55
10166284017	**GP-22-16**	Solid	08/10/11 16:55	08/11/11 16:55
10166284018	**Trip Blank**	Solid	08/10/11 00:00	08/11/11 16:55

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10166284001	**GP-15-04**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284002	**GP-16-8**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166284003	**GP-16-16**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166284004	**GP-17-4**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166284005	**GP-17-8**	% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284006	**GP-17-20**	EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166284007	**GP-18-6**	% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284008	**GP-18-3W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166284009	**GP-19-5**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284010	**GP-19-11W**	EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166284011	**GP-20-6**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284012	**GP-20-6W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166284013	**GP-21-8**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284014	**GP-21-12**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284015	**GP-21-8W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JMW	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166284016	**GP-22-4**	WI MOD DRO	JRH	2	PASI-M
		WI MOD DRO	KL1	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284017	**GP-22-16**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166284018	**Trip Blank**	WI MOD GRO	SE	2	PASI-M
		EPA 8260	CNC	71	PASI-M

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: SEH_MN
Date: September 20, 2011

General Information:
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
5 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/16328

T6: High boiling point hydrocarbons are present in the sample.

- GP-15-04 (Lab ID: 10166284001)
  - Diesel Range Organics
- GP-19-5 (Lab ID: 10166284009)
  - Diesel Range Organics
- GP-20-6 (Lab ID: 10166284011)
  - Diesel Range Organics
- GP-22-4 (Lab ID: 10166284016)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

General Information:
1 sample was analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-22-4 (Lab ID: 10166284016)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16678

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1056752)
  - Diesel Range Organics
- LCSD (Lab ID: 1056753)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 20, 2011

Analyte Comments:

QC Batch: OEXT/16678

C0: Result confirmed by second analysis.

- LCS (Lab ID: 1056752)
  - Diesel Range Organics
- LCSD (Lab ID: 1056753)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- GP-18-3W (Lab ID: 10166284008)
- GP-20-6W (Lab ID: 10166284012)
- GP-21-8W (Lab ID: 10166284015)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
6 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 20, 2011

General Information:
12 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/27717

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166274003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1032645)
  - Lead
- MSD (Lab ID: 1032646)
  - Lead

QC Batch: MPRP/27716

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166256020,10166284013

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1032640)
  - Barium
- MSD (Lab ID: 1032639)
  - Arsenic
  - Lead
  - Selenium

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 20, 2011

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 7470**
Description: 7470 Mercury
Client: SEH_MN
Date: September 20, 2011

General Information:
2 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 7471**
Description: 7471 Mercury
Client: SEH_MN
Date: September 20, 2011

General Information:
10 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

General Information:
17 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.
The samples were prepared in accordance with EPA 3520 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16347

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-22-16 (Lab ID: 10166284017)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

QC Batch: OEXT/16351

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- GP-18-3W (Lab ID: 10166284008)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/16347

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166204014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033966)
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 1033967)
  - 1-Methylnaphthalene
  - 2,4-Dinitrophenol
  - 2-Methylnaphthalene
  - 4,6-Dinitro-2-methylphenol
  - Acenaphthene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Fluorene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

QC Batch: MSSV/6994

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 20, 2011

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/16347

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1033966)
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - Chrysene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 1033967)
  - 2-Methylnaphthalene
  - Acenaphthene
  - Anthracene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

General Information:
13 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/17650

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- GP-15-04 (Lab ID: 10166284001)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- DUP (Lab ID: 1033577)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)
- GP-16-8 (Lab ID: 10166284002)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Dibromofluoromethane (S)
  - Toluene-d8 (S)

QC Batch: MSV/17656

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- GP-17-8 (Lab ID: 10166284005)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 20, 2011

QC Batch: MSV/17656

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- 1,2-Dichloroethane-d4 (S)
- 4-Bromofluorobenzene (S)
- Dibromofluoromethane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/17656

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCSD (Lab ID: 1033408)
  - Bromomethane
  - Dichlorofluoromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/17650

P2: Re-extraction or re-analysis could not be performed due to insufficient sample amount.

- GP-15-04 (Lab ID: 10166284001)
  - Dibromofluoromethane (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 20, 2011

General Information:
5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17666

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 1033547)
  - Acetone
- DUP (Lab ID: 1034174)
  - Acetone
- GP-17-20 (Lab ID: 10166284006)
  - Acetone
- GP-18-3W (Lab ID: 10166284008)
  - Acetone
- GP-19-11W (Lab ID: 10166284010)
  - Acetone
- GP-20-6W (Lab ID: 10166284012)
  - Acetone
- GP-21-8W (Lab ID: 10166284015)
  - Acetone
- LCS (Lab ID: 1033548)
  - Acetone
- MS (Lab ID: 1034175)
  - Acetone

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 20, 2011

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/17666

Z3: Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

- GP-17-20 (Lab ID: 10166284006)
  - Methylene Chloride

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: SEH_MN
Date: September 20, 2011

General Information:
3 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-15-04 **Lab ID: 10166284001** Collected: 08/10/11 09:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.034	0.0072	1	08/15/11 07:35	08/17/11 04:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.034	0.0083	1	08/15/11 07:35	08/17/11 04:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.034	0.0062	1	08/15/11 07:35	08/17/11 04:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.034	0.0072	1	08/15/11 07:35	08/17/11 04:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.034	0.0072	1	08/15/11 07:35	08/17/11 04:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.034	0.0093	1	08/15/11 07:35	08/17/11 04:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	0.034	0.0062	1	08/15/11 07:35	08/17/11 04:32	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	mg/kg	0.034	0.0083	1	08/15/11 07:35	08/17/11 04:32	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	0.034	0.018	1	08/15/11 07:35	08/17/11 04:32	11100-14-4	
Tetrachloro-m-xylene (S)	80	%	30-150		1	08/15/11 07:35	08/17/11 04:32	877-09-8	
Decachlorobiphenyl (S)	88	%	30-150		1	08/15/11 07:35	08/17/11 04:32	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**404**	mg/kg	79.2	5.1	10	08/15/11 07:32	08/16/11 13:09		T6
n-Triacontane (S)	98	%	50-150		10	08/15/11 07:32	08/16/11 13:09		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.2	2.3	1	08/15/11 11:09	08/18/11 06:56		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/15/11 11:09	08/18/11 06:56	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.8**	mg/kg	0.46	0.23	1	08/15/11 15:47	08/16/11 14:41	7440-38-2	
Barium	**32.7**	mg/kg	0.46	0.018	1	08/15/11 15:47	08/16/11 14:41	7440-39-3	
Cadmium	**0.20**	mg/kg	0.046	0.0092	1	08/15/11 15:47	08/16/11 14:41	7440-43-9	
Chromium	**7.1**	mg/kg	0.46	0.065	1	08/15/11 15:47	08/16/11 14:41	7440-47-3	
Lead	**24.1**	mg/kg	0.28	0.046	1	08/15/11 15:47	08/16/11 14:41	7439-92-1	
Selenium	ND	mg/kg	0.69	0.12	1	08/15/11 15:47	08/16/11 14:41	7782-49-2	
Silver	ND	mg/kg	0.46	0.028	1	08/15/11 15:47	08/16/11 14:41	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0015	1	08/16/11 13:09	08/17/11 11:20	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**3.2**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	83-32-9	
Acenaphthylene	**0.65**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	208-96-8	
Anthracene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	120-12-7	
Benzo(a)anthracene	**2.5**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	56-55-3	
Benzo(a)pyrene	**3.8**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	50-32-8	
Benzo(b)fluoranthene	**4.8**	mg/kg	1.7	0.85	5	08/16/11 09:44	08/19/11 15:07	205-99-2	
Benzo(g,h,i)perylene	**3.6**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	191-24-2	
Benzo(k)fluoranthene	**1.6**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	207-08-9	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-15-04 **Lab ID: 10166284001** Collected: 08/10/11 09:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Bromophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	85-68-7	
Carbazole	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	59-50-7	
4-Chloroaniline	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.34	0.059	1	08/16/11 09:44	08/19/11 03:06	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.34	0.062	1	08/16/11 09:44	08/19/11 03:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.34	0.059	1	08/16/11 09:44	08/19/11 03:06	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	91-58-7	
2-Chlorophenol	ND	mg/kg	0.34	0.060	1	08/16/11 09:44	08/19/11 03:06	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	7005-72-3	
Chrysene	**3.3**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	53-70-3	
Dibenzofuran	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.34	0.063	1	08/16/11 09:44	08/19/11 03:06	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.34	0.058	1	08/16/11 09:44	08/19/11 03:06	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.34	0.060	1	08/16/11 09:44	08/19/11 03:06	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.69	0.34	1	08/16/11 09:44	08/19/11 03:06	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	120-83-2	
Diethylphthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	105-67-9	
Dimethylphthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	117-81-7	
Fluoranthene	**4.5**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	206-44-0	
Fluorene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.34	0.066	1	08/16/11 09:44	08/19/11 03:06	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	118-74-1	
Hexachloroethane	ND	mg/kg	0.34	0.062	1	08/16/11 09:44	08/19/11 03:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**2.8**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	193-39-5	
Isophorone	ND	mg/kg	0.34	0.059	1	08/16/11 09:44	08/19/11 03:06	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.34	0.052	1	08/16/11 09:44	08/19/11 03:06	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.68	0.34	1	08/16/11 09:44	08/19/11 03:06		
Naphthalene	ND	mg/kg	0.34	0.060	1	08/16/11 09:44	08/19/11 03:06	91-20-3	
2-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	88-74-4	
3-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	99-09-2	
4-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	100-01-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-15-04 **Lab ID: 10166284001** Collected: 08/10/11 09:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene	ND	mg/kg	0.34	0.066	1	08/16/11 09:44	08/19/11 03:06	98-95-3	
2-Nitrophenol	ND	mg/kg	0.34	0.062	1	08/16/11 09:44	08/19/11 03:06	88-75-5	
4-Nitrophenol	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.34	0.057	1	08/16/11 09:44	08/19/11 03:06	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.34	0.056	1	08/16/11 09:44	08/19/11 03:06	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	86-30-6	
Pentachlorophenol	ND	mg/kg	0.69	0.34	1	08/16/11 09:44	08/19/11 03:06	87-86-5	
Phenanthrene	**0.72**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	85-01-8	
Phenol	ND	mg/kg	0.34	0.060	1	08/16/11 09:44	08/19/11 03:06	108-95-2	
Pyrene	**3.9**	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.34	0.061	1	08/16/11 09:44	08/19/11 03:06	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.7	0.87	1	08/16/11 09:44	08/19/11 03:06	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.34	0.17	1	08/16/11 09:44	08/19/11 03:06	88-06-2	
Nitrobenzene-d5 (S)	71	%	50-120		1	08/16/11 09:44	08/19/11 03:06	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-150		1	08/16/11 09:44	08/19/11 03:06	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/19/11 03:06	1718-51-0	
Phenol-d6 (S)	70	%	30-149		1	08/16/11 09:44	08/19/11 03:06	13127-88-3	
2-Fluorophenol (S)	67	%	30-147		1	08/16/11 09:44	08/19/11 03:06	367-12-4	
2,4,6-Tribromophenol (S)	84	%	30-150		1	08/16/11 09:44	08/19/11 03:06	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.50	0.25	1	08/15/11 08:23	08/15/11 22:35	67-64-1	
Allyl chloride	ND	mg/kg	0.20	0.066	1	08/15/11 08:23	08/15/11 22:35	107-05-1	
Benzene	ND	mg/kg	0.020	0.010	1	08/15/11 08:23	08/15/11 22:35	71-43-2	
Bromobenzene	ND	mg/kg	0.050	0.015	1	08/15/11 08:23	08/15/11 22:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.050	0.023	1	08/15/11 08:23	08/15/11 22:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.050	0.020	1	08/15/11 08:23	08/15/11 22:35	75-27-4	
Bromoform	ND	mg/kg	0.20	0.050	1	08/15/11 08:23	08/15/11 22:35	75-25-2	
Bromomethane	ND	mg/kg	0.50	0.076	1	08/15/11 08:23	08/15/11 22:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.50	0.25	1	08/15/11 08:23	08/15/11 22:35	78-93-3	
n-Butylbenzene	ND	mg/kg	0.050	0.0048	1	08/15/11 08:23	08/15/11 22:35	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.050	0.0054	1	08/15/11 08:23	08/15/11 22:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.050	0.0063	1	08/15/11 08:23	08/15/11 22:35	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.050	0.012	1	08/15/11 08:23	08/15/11 22:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 08:23	08/15/11 22:35	108-90-7	
Chloroethane	ND	mg/kg	0.50	0.12	1	08/15/11 08:23	08/15/11 22:35	75-00-3	
Chloroform	ND	mg/kg	0.050	0.011	1	08/15/11 08:23	08/15/11 22:35	67-66-3	
Chloromethane	ND	mg/kg	0.20	0.034	1	08/15/11 08:23	08/15/11 22:35	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.050	0.0069	1	08/15/11 08:23	08/15/11 22:35	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/15/11 08:23	08/15/11 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.20	0.038	1	08/15/11 08:23	08/15/11 22:35	96-12-8	
Dibromochloromethane	ND	mg/kg	0.050	0.011	1	08/15/11 08:23	08/15/11 22:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.050	0.016	1	08/15/11 08:23	08/15/11 22:35	106-93-4	
Dibromomethane	ND	mg/kg	0.050	0.020	1	08/15/11 08:23	08/15/11 22:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.050	0.016	1	08/15/11 08:23	08/15/11 22:35	95-50-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-15-04 **Lab ID: 10166284001** Collected: 08/10/11 09:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichlorobenzene	ND	mg/kg	0.050	0.0064	1	08/15/11 08:23	08/15/11 22:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.050	0.0090	1	08/15/11 08:23	08/15/11 22:35	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.050	0.015	1	08/15/11 08:23	08/15/11 22:35	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.050	0.017	1	08/15/11 08:23	08/15/11 22:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.050	0.013	1	08/15/11 08:23	08/15/11 22:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.050	0.026	1	08/15/11 08:23	08/15/11 22:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.050	0.017	1	08/15/11 08:23	08/15/11 22:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.050	0.014	1	08/15/11 08:23	08/15/11 22:35	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.50	0.026	1	08/15/11 08:23	08/15/11 22:35	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.050	0.022	1	08/15/11 08:23	08/15/11 22:35	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.050	0.0083	1	08/15/11 08:23	08/15/11 22:35	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.20	0.020	1	08/15/11 08:23	08/15/11 22:35	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.050	0.011	1	08/15/11 08:23	08/15/11 22:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.050	0.0087	1	08/15/11 08:23	08/15/11 22:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.050	0.0093	1	08/15/11 08:23	08/15/11 22:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.20	0.034	1	08/15/11 08:23	08/15/11 22:35	60-29-7	
Ethylbenzene	ND	mg/kg	0.050	0.0028	1	08/15/11 08:23	08/15/11 22:35	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.25	0.0057	1	08/15/11 08:23	08/15/11 22:35	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.050	0.0063	1	08/15/11 08:23	08/15/11 22:35	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.050	0.0087	1	08/15/11 08:23	08/15/11 22:35	99-87-6	
Methylene Chloride	ND	mg/kg	0.20	0.10	1	08/15/11 08:23	08/15/11 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.50	0.25	1	08/15/11 08:23	08/15/11 22:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.050	0.017	1	08/15/11 08:23	08/15/11 22:35	1634-04-4	
Naphthalene	**0.20**	mg/kg	0.20	0.0086	1	08/15/11 08:23	08/15/11 22:35	91-20-3	
n-Propylbenzene	ND	mg/kg	0.050	0.0040	1	08/15/11 08:23	08/15/11 22:35	103-65-1	
Styrene	ND	mg/kg	0.050	0.0064	1	08/15/11 08:23	08/15/11 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 08:23	08/15/11 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 08:23	08/15/11 22:35	79-34-5	
Tetrachloroethene	ND	mg/kg	0.050	0.013	1	08/15/11 08:23	08/15/11 22:35	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.0	0.15	1	08/15/11 08:23	08/15/11 22:35	109-99-9	
Toluene	ND	mg/kg	0.050	0.0076	1	08/15/11 08:23	08/15/11 22:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.050	0.014	1	08/15/11 08:23	08/15/11 22:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 08:23	08/15/11 22:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.050	0.0065	1	08/15/11 08:23	08/15/11 22:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.050	0.022	1	08/15/11 08:23	08/15/11 22:35	79-00-5	
Trichloroethene	ND	mg/kg	0.050	0.017	1	08/15/11 08:23	08/15/11 22:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.20	0.025	1	08/15/11 08:23	08/15/11 22:35	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.20	0.016	1	08/15/11 08:23	08/15/11 22:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.050	0.020	1	08/15/11 08:23	08/15/11 22:35	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.050	0.0074	1	08/15/11 08:23	08/15/11 22:35	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.050	0.0067	1	08/15/11 08:23	08/15/11 22:35	108-67-8	
Vinyl chloride	ND	mg/kg	0.020	0.0094	1	08/15/11 08:23	08/15/11 22:35	75-01-4	
Xylene (Total)	ND	mg/kg	0.15	0.027	1	08/15/11 08:23	08/15/11 22:35	1330-20-7	
Dibromofluoromethane (S)	0	%	30-150		1	08/15/11 08:23	08/15/11 22:35	1868-53-7	P2,S1
1,2-Dichloroethane-d4 (S)	0	%	30-150		1	08/15/11 08:23	08/15/11 22:35	17060-07-0	S1

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-15-04 **Lab ID: 10166284001** Collected: 08/10/11 09:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	0	%	30-150		1	08/15/11 08:23	08/15/11 22:35	2037-26-5	S1
4-Bromofluorobenzene (S)	0	%	30-150		1	08/15/11 08:23	08/15/11 22:35	460-00-4	S1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-8 **Lab ID: 10166284002** Collected: 08/10/11 10:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.0**	mg/kg	1.4	0.70	1	08/15/11 15:47	08/16/11 14:47	7440-38-2	
Barium	**99.9**	mg/kg	1.4	0.056	1	08/15/11 15:47	08/16/11 14:47	7440-39-3	
Cadmium	**0.27**	mg/kg	0.14	0.028	1	08/15/11 15:47	08/16/11 14:47	7440-43-9	
Chromium	**5.6**	mg/kg	1.4	0.20	1	08/15/11 15:47	08/16/11 14:47	7440-47-3	
Lead	ND	mg/kg	0.85	0.14	1	08/15/11 15:47	08/16/11 14:47	7439-92-1	
Selenium	ND	mg/kg	2.1	0.37	1	08/15/11 15:47	08/16/11 14:47	7782-49-2	
Silver	ND	mg/kg	1.4	0.085	1	08/15/11 15:47	08/16/11 14:47	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.055	0.0044	1	08/16/11 13:09	08/17/11 11:26	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**67.1**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	83-32-9	
Acenaphthylene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	208-96-8	
Anthracene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	85-68-7	
Carbazole	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	59-50-7	
4-Chloroaniline	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.0	0.17	1	08/16/11 09:44	08/19/11 01:10	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.0	0.17	1	08/16/11 09:44	08/19/11 01:10	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	91-58-7	
2-Chlorophenol	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	7005-72-3	
Chrysene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	53-70-3	
Dibenzofuran	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.0	0.19	1	08/16/11 09:44	08/19/11 01:10	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.0	0.17	1	08/16/11 09:44	08/19/11 01:10	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 01:10	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	120-83-2	
Diethylphthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	105-67-9	
Dimethylphthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-8 **Lab ID: 10166284002** Collected: 08/10/11 10:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	117-81-7	
Fluoranthene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	206-44-0	
Fluorene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.0	0.19	1	08/16/11 09:44	08/19/11 01:10	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	118-74-1	
Hexachloroethane	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	193-39-5	
Isophorone	ND	mg/kg	1.0	0.17	1	08/16/11 09:44	08/19/11 01:10	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.0	0.15	1	08/16/11 09:44	08/19/11 01:10	95-48-7	
3&4-Methylphenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 01:10		
Naphthalene	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	91-20-3	
2-Nitroaniline	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	88-74-4	
3-Nitroaniline	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	99-09-2	
4-Nitroaniline	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	100-01-6	
Nitrobenzene	ND	mg/kg	1.0	0.19	1	08/16/11 09:44	08/19/11 01:10	98-95-3	
2-Nitrophenol	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	88-75-5	
4-Nitrophenol	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.0	0.17	1	08/16/11 09:44	08/19/11 01:10	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.0	0.16	1	08/16/11 09:44	08/19/11 01:10	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	86-30-6	
Pentachlorophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 01:10	87-86-5	
Phenanthrene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	85-01-8	
Phenol	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	108-95-2	
Pyrene	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.18	1	08/16/11 09:44	08/19/11 01:10	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	5.1	2.6	1	08/16/11 09:44	08/19/11 01:10	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.50	1	08/16/11 09:44	08/19/11 01:10	88-06-2	
Nitrobenzene-d5 (S)	61	%	50-120		1	08/16/11 09:44	08/19/11 01:10	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-150		1	08/16/11 09:44	08/19/11 01:10	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/19/11 01:10	1718-51-0	
Phenol-d6 (S)	62	%	30-149		1	08/16/11 09:44	08/19/11 01:10	13127-88-3	
2-Fluorophenol (S)	58	%	30-147		1	08/16/11 09:44	08/19/11 01:10	367-12-4	
2,4,6-Tribromophenol (S)	75	%	30-150		1	08/16/11 09:44	08/19/11 01:10	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.6	0.79	1	08/15/11 08:23	08/15/11 22:55	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-8 **Lab ID: 10166284002** Collected: 08/10/11 10:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.63	0.21	1	08/15/11 08:23	08/15/11 22:55	107-05-1	
Benzene	ND	mg/kg	0.063	0.031	1	08/15/11 08:23	08/15/11 22:55	71-43-2	
Bromobenzene	ND	mg/kg	0.16	0.048	1	08/15/11 08:23	08/15/11 22:55	108-86-1	
Bromochloromethane	ND	mg/kg	0.16	0.073	1	08/15/11 08:23	08/15/11 22:55	74-97-5	
Bromodichloromethane	ND	mg/kg	0.16	0.062	1	08/15/11 08:23	08/15/11 22:55	75-27-4	
Bromoform	ND	mg/kg	0.63	0.16	1	08/15/11 08:23	08/15/11 22:55	75-25-2	
Bromomethane	ND	mg/kg	1.6	0.24	1	08/15/11 08:23	08/15/11 22:55	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.6	0.79	1	08/15/11 08:23	08/15/11 22:55	78-93-3	
n-Butylbenzene	ND	mg/kg	0.16	0.015	1	08/15/11 08:23	08/15/11 22:55	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.16	0.017	1	08/15/11 08:23	08/15/11 22:55	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.16	0.020	1	08/15/11 08:23	08/15/11 22:55	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.16	0.037	1	08/15/11 08:23	08/15/11 22:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.16	0.036	1	08/15/11 08:23	08/15/11 22:55	108-90-7	
Chloroethane	ND	mg/kg	1.6	0.38	1	08/15/11 08:23	08/15/11 22:55	75-00-3	
Chloroform	ND	mg/kg	0.16	0.035	1	08/15/11 08:23	08/15/11 22:55	67-66-3	
Chloromethane	ND	mg/kg	0.63	0.11	1	08/15/11 08:23	08/15/11 22:55	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.16	0.022	1	08/15/11 08:23	08/15/11 22:55	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.16	0.021	1	08/15/11 08:23	08/15/11 22:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.63	0.12	1	08/15/11 08:23	08/15/11 22:55	96-12-8	
Dibromochloromethane	ND	mg/kg	0.16	0.034	1	08/15/11 08:23	08/15/11 22:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.16	0.049	1	08/15/11 08:23	08/15/11 22:55	106-93-4	
Dibromomethane	ND	mg/kg	0.16	0.063	1	08/15/11 08:23	08/15/11 22:55	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.16	0.049	1	08/15/11 08:23	08/15/11 22:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.16	0.020	1	08/15/11 08:23	08/15/11 22:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.16	0.028	1	08/15/11 08:23	08/15/11 22:55	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.16	0.048	1	08/15/11 08:23	08/15/11 22:55	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.16	0.054	1	08/15/11 08:23	08/15/11 22:55	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.16	0.041	1	08/15/11 08:23	08/15/11 22:55	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.16	0.080	1	08/15/11 08:23	08/15/11 22:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.16	0.053	1	08/15/11 08:23	08/15/11 22:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.16	0.045	1	08/15/11 08:23	08/15/11 22:55	156-60-5	
Dichlorofluoromethane	ND	mg/kg	1.6	0.083	1	08/15/11 08:23	08/15/11 22:55	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.16	0.069	1	08/15/11 08:23	08/15/11 22:55	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.16	0.026	1	08/15/11 08:23	08/15/11 22:55	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.63	0.064	1	08/15/11 08:23	08/15/11 22:55	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.16	0.035	1	08/15/11 08:23	08/15/11 22:55	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.16	0.028	1	08/15/11 08:23	08/15/11 22:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.16	0.029	1	08/15/11 08:23	08/15/11 22:55	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.63	0.11	1	08/15/11 08:23	08/15/11 22:55	60-29-7	
Ethylbenzene	ND	mg/kg	0.16	0.0088	1	08/15/11 08:23	08/15/11 22:55	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.79	0.018	1	08/15/11 08:23	08/15/11 22:55	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.16	0.020	1	08/15/11 08:23	08/15/11 22:55	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.16	0.027	1	08/15/11 08:23	08/15/11 22:55	99-87-6	
Methylene Chloride	ND	mg/kg	0.63	0.32	1	08/15/11 08:23	08/15/11 22:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.6	0.79	1	08/15/11 08:23	08/15/11 22:55	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-8 **Lab ID: 10166284002** Collected: 08/10/11 10:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.16	0.053	1	08/15/11 08:23	08/15/11 22:55	1634-04-4	
Naphthalene	ND	mg/kg	0.63	0.027	1	08/15/11 08:23	08/15/11 22:55	91-20-3	
n-Propylbenzene	ND	mg/kg	0.16	0.013	1	08/15/11 08:23	08/15/11 22:55	103-65-1	
Styrene	ND	mg/kg	0.16	0.020	1	08/15/11 08:23	08/15/11 22:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.16	0.039	1	08/15/11 08:23	08/15/11 22:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.16	0.037	1	08/15/11 08:23	08/15/11 22:55	79-34-5	
Tetrachloroethene	ND	mg/kg	0.16	0.042	1	08/15/11 08:23	08/15/11 22:55	127-18-4	
Tetrahydrofuran	ND	mg/kg	6.3	0.47	1	08/15/11 08:23	08/15/11 22:55	109-99-9	
Toluene	ND	mg/kg	0.16	0.024	1	08/15/11 08:23	08/15/11 22:55	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.16	0.045	1	08/15/11 08:23	08/15/11 22:55	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.16	0.035	1	08/15/11 08:23	08/15/11 22:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.16	0.021	1	08/15/11 08:23	08/15/11 22:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.16	0.068	1	08/15/11 08:23	08/15/11 22:55	79-00-5	
Trichloroethene	ND	mg/kg	0.16	0.052	1	08/15/11 08:23	08/15/11 22:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.63	0.078	1	08/15/11 08:23	08/15/11 22:55	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.63	0.050	1	08/15/11 08:23	08/15/11 22:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.16	0.063	1	08/15/11 08:23	08/15/11 22:55	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.16	0.023	1	08/15/11 08:23	08/15/11 22:55	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.16	0.021	1	08/15/11 08:23	08/15/11 22:55	108-67-8	
Vinyl chloride	ND	mg/kg	0.063	0.030	1	08/15/11 08:23	08/15/11 22:55	75-01-4	
Xylene (Total)	ND	mg/kg	0.48	0.086	1	08/15/11 08:23	08/15/11 22:55	1330-20-7	
Dibromofluoromethane (S)	154	%	30-150		1	08/15/11 08:23	08/15/11 22:55	1868-53-7	S3
1,2-Dichloroethane-d4 (S)	157	%	30-150		1	08/15/11 08:23	08/15/11 22:55	17060-07-0	S3
Toluene-d8 (S)	152	%	30-150		1	08/15/11 08:23	08/15/11 22:55	2037-26-5	S3
4-Bromofluorobenzene (S)	163	%	30-150		1	08/15/11 08:23	08/15/11 22:55	460-00-4	S3
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.49**	mg/kg	0.45	0.22	1		08/17/11 19:25	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-16 **Lab ID: 10166284003** Collected: 08/10/11 10:10 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.2**	mg/kg	0.44	0.22	1	08/15/11 15:47	08/16/11 15:00	7440-38-2	
Barium	**21.1**	mg/kg	0.44	0.017	1	08/15/11 15:47	08/16/11 15:00	7440-39-3	
Cadmium	**0.18**	mg/kg	0.044	0.0087	1	08/15/11 15:47	08/16/11 15:00	7440-43-9	
Chromium	**8.0**	mg/kg	0.44	0.061	1	08/15/11 15:47	08/16/11 15:00	7440-47-3	
Lead	**43.6**	mg/kg	0.26	0.044	1	08/15/11 15:47	08/16/11 15:00	7439-92-1	
Selenium	ND	mg/kg	0.65	0.11	1	08/15/11 15:47	08/16/11 15:00	7782-49-2	
Silver	ND	mg/kg	0.44	0.026	1	08/15/11 15:47	08/16/11 15:00	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.023	0.0018	1	08/16/11 13:09	08/17/11 11:32	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**20.4**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	83-32-9	
Acenaphthylene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	208-96-8	
Anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	85-68-7	
Carbazole	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	59-50-7	
4-Chloroaniline	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/17/11 16:47	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.41	0.075	1	08/16/11 09:44	08/17/11 16:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.41	0.072	1	08/16/11 09:44	08/17/11 16:47	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	91-58-7	
2-Chlorophenol	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/17/11 16:47	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	7005-72-3	
Chrysene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	53-70-3	
Dibenzofuran	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.41	0.077	1	08/16/11 09:44	08/17/11 16:47	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/17/11 16:47	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/17/11 16:47	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.84	0.42	1	08/16/11 09:44	08/17/11 16:47	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	120-83-2	
Diethylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	105-67-9	
Dimethylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-16 **Lab ID: 10166284003** Collected: 08/10/11 10:10 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	117-81-7	
Fluoranthene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	206-44-0	
Fluorene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.41	0.081	1	08/16/11 09:44	08/17/11 16:47	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	118-74-1	
Hexachloroethane	ND	mg/kg	0.41	0.076	1	08/16/11 09:44	08/17/11 16:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	193-39-5	
Isophorone	ND	mg/kg	0.41	0.071	1	08/16/11 09:44	08/17/11 16:47	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.41	0.063	1	08/16/11 09:44	08/17/11 16:47	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.83	0.41	1	08/16/11 09:44	08/17/11 16:47		
Naphthalene	**0.55**	mg/kg	0.41	0.073	1	08/16/11 09:44	08/17/11 16:47	91-20-3	
2-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	88-74-4	
3-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	99-09-2	
4-Nitroaniline	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	100-01-6	
Nitrobenzene	ND	mg/kg	0.41	0.081	1	08/16/11 09:44	08/17/11 16:47	98-95-3	
2-Nitrophenol	ND	mg/kg	0.41	0.076	1	08/16/11 09:44	08/17/11 16:47	88-75-5	
4-Nitrophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.41	0.069	1	08/16/11 09:44	08/17/11 16:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.41	0.068	1	08/16/11 09:44	08/17/11 16:47	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	86-30-6	
Pentachlorophenol	ND	mg/kg	0.84	0.42	1	08/16/11 09:44	08/17/11 16:47	87-86-5	
Phenanthrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	85-01-8	
Phenol	ND	mg/kg	0.41	0.073	1	08/16/11 09:44	08/17/11 16:47	108-95-2	
Pyrene	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.41	0.074	1	08/16/11 09:44	08/17/11 16:47	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/17/11 16:47	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.41	0.21	1	08/16/11 09:44	08/17/11 16:47	88-06-2	
Nitrobenzene-d5 (S)	75	%	50-120		1	08/16/11 09:44	08/17/11 16:47	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-150		1	08/16/11 09:44	08/17/11 16:47	321-60-8	
Terphenyl-d14 (S)	80	%	30-150		1	08/16/11 09:44	08/17/11 16:47	1718-51-0	
Phenol-d6 (S)	65	%	30-149		1	08/16/11 09:44	08/17/11 16:47	13127-88-3	
2-Fluorophenol (S)	66	%	30-147		1	08/16/11 09:44	08/17/11 16:47	367-12-4	
2,4,6-Tribromophenol (S)	91	%	30-150		1	08/16/11 09:44	08/17/11 16:47	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.65	0.32	1	08/15/11 08:23	08/15/11 23:16	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-16 **Lab ID: 10166284003** Collected: 08/10/11 10:10 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.26	0.085	1	08/15/11 08:23	08/15/11 23:16	107-05-1	
Benzene	ND	mg/kg	0.026	0.013	1	08/15/11 08:23	08/15/11 23:16	71-43-2	
Bromobenzene	ND	mg/kg	0.065	0.020	1	08/15/11 08:23	08/15/11 23:16	108-86-1	
Bromochloromethane	ND	mg/kg	0.065	0.030	1	08/15/11 08:23	08/15/11 23:16	74-97-5	
Bromodichloromethane	ND	mg/kg	0.065	0.025	1	08/15/11 08:23	08/15/11 23:16	75-27-4	
Bromoform	ND	mg/kg	0.26	0.064	1	08/15/11 08:23	08/15/11 23:16	75-25-2	
Bromomethane	ND	mg/kg	0.65	0.098	1	08/15/11 08:23	08/15/11 23:16	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.65	0.32	1	08/15/11 08:23	08/15/11 23:16	78-93-3	
n-Butylbenzene	ND	mg/kg	0.065	0.0061	1	08/15/11 08:23	08/15/11 23:16	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.065	0.0069	1	08/15/11 08:23	08/15/11 23:16	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.065	0.0082	1	08/15/11 08:23	08/15/11 23:16	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.065	0.015	1	08/15/11 08:23	08/15/11 23:16	56-23-5	
Chlorobenzene	ND	mg/kg	0.065	0.015	1	08/15/11 08:23	08/15/11 23:16	108-90-7	
Chloroethane	ND	mg/kg	0.65	0.16	1	08/15/11 08:23	08/15/11 23:16	75-00-3	
Chloroform	ND	mg/kg	0.065	0.014	1	08/15/11 08:23	08/15/11 23:16	67-66-3	
Chloromethane	ND	mg/kg	0.26	0.043	1	08/15/11 08:23	08/15/11 23:16	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.065	0.0088	1	08/15/11 08:23	08/15/11 23:16	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.065	0.0088	1	08/15/11 08:23	08/15/11 23:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.26	0.049	1	08/15/11 08:23	08/15/11 23:16	96-12-8	
Dibromochloromethane	ND	mg/kg	0.065	0.014	1	08/15/11 08:23	08/15/11 23:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.065	0.020	1	08/15/11 08:23	08/15/11 23:16	106-93-4	
Dibromomethane	ND	mg/kg	0.065	0.026	1	08/15/11 08:23	08/15/11 23:16	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.065	0.020	1	08/15/11 08:23	08/15/11 23:16	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.065	0.0083	1	08/15/11 08:23	08/15/11 23:16	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.065	0.012	1	08/15/11 08:23	08/15/11 23:16	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.065	0.020	1	08/15/11 08:23	08/15/11 23:16	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.065	0.022	1	08/15/11 08:23	08/15/11 23:16	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.065	0.017	1	08/15/11 08:23	08/15/11 23:16	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.065	0.033	1	08/15/11 08:23	08/15/11 23:16	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.065	0.022	1	08/15/11 08:23	08/15/11 23:16	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.065	0.018	1	08/15/11 08:23	08/15/11 23:16	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.65	0.034	1	08/15/11 08:23	08/15/11 23:16	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.065	0.028	1	08/15/11 08:23	08/15/11 23:16	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.065	0.011	1	08/15/11 08:23	08/15/11 23:16	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.26	0.026	1	08/15/11 08:23	08/15/11 23:16	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.065	0.014	1	08/15/11 08:23	08/15/11 23:16	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.065	0.011	1	08/15/11 08:23	08/15/11 23:16	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.065	0.012	1	08/15/11 08:23	08/15/11 23:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.26	0.043	1	08/15/11 08:23	08/15/11 23:16	60-29-7	
Ethylbenzene	**0.098**	mg/kg	0.065	0.0036	1	08/15/11 08:23	08/15/11 23:16	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.32	0.0074	1	08/15/11 08:23	08/15/11 23:16	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.065	0.0082	1	08/15/11 08:23	08/15/11 23:16	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.065	0.011	1	08/15/11 08:23	08/15/11 23:16	99-87-6	
Methylene Chloride	ND	mg/kg	0.26	0.13	1	08/15/11 08:23	08/15/11 23:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.65	0.32	1	08/15/11 08:23	08/15/11 23:16	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-16-16 **Lab ID: 10166284003** Collected: 08/10/11 10:10 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.065	0.022	1	08/15/11 08:23	08/15/11 23:16	1634-04-4	
Naphthalene	**3.9**	mg/kg	0.26	0.011	1	08/15/11 08:23	08/15/11 23:16	91-20-3	
n-Propylbenzene	ND	mg/kg	0.065	0.0052	1	08/15/11 08:23	08/15/11 23:16	103-65-1	
Styrene	ND	mg/kg	0.065	0.0082	1	08/15/11 08:23	08/15/11 23:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.065	0.016	1	08/15/11 08:23	08/15/11 23:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.065	0.015	1	08/15/11 08:23	08/15/11 23:16	79-34-5	
Tetrachloroethene	ND	mg/kg	0.065	0.017	1	08/15/11 08:23	08/15/11 23:16	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.6	0.19	1	08/15/11 08:23	08/15/11 23:16	109-99-9	
Toluene	ND	mg/kg	0.065	0.0098	1	08/15/11 08:23	08/15/11 23:16	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.065	0.018	1	08/15/11 08:23	08/15/11 23:16	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.065	0.014	1	08/15/11 08:23	08/15/11 23:16	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.065	0.0084	1	08/15/11 08:23	08/15/11 23:16	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.065	0.028	1	08/15/11 08:23	08/15/11 23:16	79-00-5	
Trichloroethene	ND	mg/kg	0.065	0.021	1	08/15/11 08:23	08/15/11 23:16	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.26	0.032	1	08/15/11 08:23	08/15/11 23:16	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.26	0.021	1	08/15/11 08:23	08/15/11 23:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.065	0.026	1	08/15/11 08:23	08/15/11 23:16	76-13-1	
1,2,4-Trimethylbenzene	**0.11**	mg/kg	0.065	0.0095	1	08/15/11 08:23	08/15/11 23:16	95-63-6	
1,3,5-Trimethylbenzene	**0.073**	mg/kg	0.065	0.0086	1	08/15/11 08:23	08/15/11 23:16	108-67-8	
Vinyl chloride	ND	mg/kg	0.026	0.012	1	08/15/11 08:23	08/15/11 23:16	75-01-4	
Xylene (Total)	ND	mg/kg	0.19	0.035	1	08/15/11 08:23	08/15/11 23:16	1330-20-7	
Dibromofluoromethane (S)	85	%	30-150		1	08/15/11 08:23	08/15/11 23:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	82	%	30-150		1	08/15/11 08:23	08/15/11 23:16	17060-07-0	
Toluene-d8 (S)	77	%	30-150		1	08/15/11 08:23	08/15/11 23:16	2037-26-5	
4-Bromofluorobenzene (S)	78	%	30-150		1	08/15/11 08:23	08/15/11 23:16	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.18	0.088	1		08/17/11 19:25	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-4 **Lab ID: 10166284004** Collected: 08/10/11 10:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.3**	mg/kg	0.98	0.49	1	08/15/11 15:47	08/16/11 15:07	7440-38-2	
Barium	**65.6**	mg/kg	0.98	0.039	1	08/15/11 15:47	08/16/11 15:07	7440-39-3	
Cadmium	**0.50**	mg/kg	0.098	0.020	1	08/15/11 15:47	08/16/11 15:07	7440-43-9	
Chromium	**4.5**	mg/kg	0.98	0.14	1	08/15/11 15:47	08/16/11 15:07	7440-47-3	
Lead	**63.6**	mg/kg	0.59	0.098	1	08/15/11 15:47	08/16/11 15:07	7439-92-1	
Selenium	**2.8**	mg/kg	1.5	0.25	1	08/15/11 15:47	08/16/11 15:07	7782-49-2	
Silver	ND	mg/kg	0.98	0.059	1	08/15/11 15:47	08/16/11 15:07	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.054**	mg/kg	0.037	0.0029	1	08/16/11 13:09	08/17/11 11:35	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**55.6**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**0.79**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	83-32-9	
Acenaphthylene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	208-96-8	
Anthracene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	50-32-8	
Benzo(b)fluoranthene	**1.0**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	85-68-7	
Carbazole	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	59-50-7	
4-Chloroaniline	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	91-58-7	
2-Chlorophenol	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	7005-72-3	
Chrysene	**0.75**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	53-70-3	
Dibenzofuran	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.74	0.14	1	08/16/11 09:44	08/19/11 03:35	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	1.5	0.76	1	08/16/11 09:44	08/19/11 03:35	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	120-83-2	
Diethylphthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	105-67-9	
Dimethylphthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-4 **Lab ID: 10166284004** Collected: 08/10/11 10:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	117-81-7	
Fluoranthene	**3.3**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	206-44-0	
Fluorene	**0.85**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.74	0.14	1	08/16/11 09:44	08/19/11 03:35	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	118-74-1	
Hexachloroethane	ND	mg/kg	0.74	0.14	1	08/16/11 09:44	08/19/11 03:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	193-39-5	
Isophorone	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.74	0.11	1	08/16/11 09:44	08/19/11 03:35	95-48-7	
3&4-Methylphenol	ND	mg/kg	1.5	0.74	1	08/16/11 09:44	08/19/11 03:35		
Naphthalene	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	91-20-3	
2-Nitroaniline	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	88-74-4	
3-Nitroaniline	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	99-09-2	
4-Nitroaniline	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	100-01-6	
Nitrobenzene	ND	mg/kg	0.74	0.14	1	08/16/11 09:44	08/19/11 03:35	98-95-3	
2-Nitrophenol	ND	mg/kg	0.74	0.14	1	08/16/11 09:44	08/19/11 03:35	88-75-5	
4-Nitrophenol	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.74	0.12	1	08/16/11 09:44	08/19/11 03:35	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.74	0.12	1	08/16/11 09:44	08/19/11 03:35	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	86-30-6	
Pentachlorophenol	ND	mg/kg	1.5	0.76	1	08/16/11 09:44	08/19/11 03:35	87-86-5	
Phenanthrene	**1.9**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	85-01-8	
Phenol	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	108-95-2	
Pyrene	**2.2**	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.74	0.13	1	08/16/11 09:44	08/19/11 03:35	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	3.8	1.9	1	08/16/11 09:44	08/19/11 03:35	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.74	0.37	1	08/16/11 09:44	08/19/11 03:35	88-06-2	
Nitrobenzene-d5 (S)	63	%	50-120		1	08/16/11 09:44	08/19/11 03:35	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-150		1	08/16/11 09:44	08/19/11 03:35	321-60-8	
Terphenyl-d14 (S)	81	%	30-150		1	08/16/11 09:44	08/19/11 03:35	1718-51-0	
Phenol-d6 (S)	66	%	30-149		1	08/16/11 09:44	08/19/11 03:35	13127-88-3	
2-Fluorophenol (S)	60	%	30-147		1	08/16/11 09:44	08/19/11 03:35	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-150		1	08/16/11 09:44	08/19/11 03:35	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.1	0.56	1	08/15/11 08:23	08/16/11 14:29	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-4 **Lab ID: 10166284004** Collected: 08/10/11 10:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.45	0.15	1	08/15/11 08:23	08/16/11 14:29	107-05-1	
Benzene	ND	mg/kg	0.045	0.022	1	08/15/11 08:23	08/16/11 14:29	71-43-2	
Bromobenzene	ND	mg/kg	0.11	0.034	1	08/15/11 08:23	08/16/11 14:29	108-86-1	
Bromochloromethane	ND	mg/kg	0.11	0.052	1	08/15/11 08:23	08/16/11 14:29	74-97-5	
Bromodichloromethane	ND	mg/kg	0.11	0.044	1	08/15/11 08:23	08/16/11 14:29	75-27-4	
Bromoform	ND	mg/kg	0.45	0.11	1	08/15/11 08:23	08/16/11 14:29	75-25-2	
Bromomethane	ND	mg/kg	1.1	0.17	1	08/15/11 08:23	08/16/11 14:29	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.1	0.56	1	08/15/11 08:23	08/16/11 14:29	78-93-3	
n-Butylbenzene	ND	mg/kg	0.11	0.011	1	08/15/11 08:23	08/16/11 14:29	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.11	0.012	1	08/15/11 08:23	08/16/11 14:29	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.11	0.014	1	08/15/11 08:23	08/16/11 14:29	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.11	0.026	1	08/15/11 08:23	08/16/11 14:29	56-23-5	
Chlorobenzene	ND	mg/kg	0.11	0.025	1	08/15/11 08:23	08/16/11 14:29	108-90-7	
Chloroethane	ND	mg/kg	1.1	0.27	1	08/15/11 08:23	08/16/11 14:29	75-00-3	
Chloroform	ND	mg/kg	0.11	0.025	1	08/15/11 08:23	08/16/11 14:29	67-66-3	
Chloromethane	ND	mg/kg	0.45	0.075	1	08/15/11 08:23	08/16/11 14:29	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.11	0.015	1	08/15/11 08:23	08/16/11 14:29	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.11	0.015	1	08/15/11 08:23	08/16/11 14:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.45	0.084	1	08/15/11 08:23	08/16/11 14:29	96-12-8	
Dibromochloromethane	ND	mg/kg	0.11	0.024	1	08/15/11 08:23	08/16/11 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.11	0.035	1	08/15/11 08:23	08/16/11 14:29	106-93-4	
Dibromomethane	ND	mg/kg	0.11	0.045	1	08/15/11 08:23	08/16/11 14:29	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.11	0.035	1	08/15/11 08:23	08/16/11 14:29	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.11	0.014	1	08/15/11 08:23	08/16/11 14:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.11	0.020	1	08/15/11 08:23	08/16/11 14:29	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.11	0.034	1	08/15/11 08:23	08/16/11 14:29	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.11	0.038	1	08/15/11 08:23	08/16/11 14:29	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.11	0.029	1	08/15/11 08:23	08/16/11 14:29	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.11	0.057	1	08/15/11 08:23	08/16/11 14:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.11	0.038	1	08/15/11 08:23	08/16/11 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.11	0.032	1	08/15/11 08:23	08/16/11 14:29	156-60-5	
Dichlorofluoromethane	ND	mg/kg	1.1	0.059	1	08/15/11 08:23	08/16/11 14:29	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.11	0.049	1	08/15/11 08:23	08/16/11 14:29	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.11	0.019	1	08/15/11 08:23	08/16/11 14:29	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.45	0.045	1	08/15/11 08:23	08/16/11 14:29	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.11	0.025	1	08/15/11 08:23	08/16/11 14:29	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.11	0.020	1	08/15/11 08:23	08/16/11 14:29	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.11	0.021	1	08/15/11 08:23	08/16/11 14:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.45	0.075	1	08/15/11 08:23	08/16/11 14:29	60-29-7	
Ethylbenzene	ND	mg/kg	0.11	0.0062	1	08/15/11 08:23	08/16/11 14:29	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.56	0.013	1	08/15/11 08:23	08/16/11 14:29	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.11	0.014	1	08/15/11 08:23	08/16/11 14:29	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.11	0.019	1	08/15/11 08:23	08/16/11 14:29	99-87-6	
Methylene Chloride	ND	mg/kg	0.45	0.22	1	08/15/11 08:23	08/16/11 14:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.1	0.56	1	08/15/11 08:23	08/16/11 14:29	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-4 **Lab ID: 10166284004** Collected: 08/10/11 10:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.11	0.037	1	08/15/11 08:23	08/16/11 14:29	1634-04-4	
Naphthalene	**2.7**	mg/kg	0.45	0.019	1	08/15/11 08:23	08/16/11 14:29	91-20-3	
n-Propylbenzene	ND	mg/kg	0.11	0.0089	1	08/15/11 08:23	08/16/11 14:29	103-65-1	
Styrene	ND	mg/kg	0.11	0.014	1	08/15/11 08:23	08/16/11 14:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.11	0.027	1	08/15/11 08:23	08/16/11 14:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.11	0.026	1	08/15/11 08:23	08/16/11 14:29	79-34-5	
Tetrachloroethene	ND	mg/kg	0.11	0.030	1	08/15/11 08:23	08/16/11 14:29	127-18-4	
Tetrahydrofuran	ND	mg/kg	4.5	0.33	1	08/15/11 08:23	08/16/11 14:29	109-99-9	
Toluene	ND	mg/kg	0.11	0.017	1	08/15/11 08:23	08/16/11 14:29	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.11	0.032	1	08/15/11 08:23	08/16/11 14:29	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.11	0.025	1	08/15/11 08:23	08/16/11 14:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.11	0.015	1	08/15/11 08:23	08/16/11 14:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.11	0.048	1	08/15/11 08:23	08/16/11 14:29	79-00-5	
Trichloroethene	ND	mg/kg	0.11	0.037	1	08/15/11 08:23	08/16/11 14:29	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.45	0.055	1	08/15/11 08:23	08/16/11 14:29	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.45	0.036	1	08/15/11 08:23	08/16/11 14:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.11	0.045	1	08/15/11 08:23	08/16/11 14:29	76-13-1	
1,2,4-Trimethylbenzene	**0.14**	mg/kg	0.11	0.017	1	08/15/11 08:23	08/16/11 14:29	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.11	0.015	1	08/15/11 08:23	08/16/11 14:29	108-67-8	
Vinyl chloride	ND	mg/kg	0.045	0.021	1	08/15/11 08:23	08/16/11 14:29	75-01-4	
Xylene (Total)	ND	mg/kg	0.34	0.061	1	08/15/11 08:23	08/16/11 14:29	1330-20-7	
Dibromofluoromethane (S)	92	%	30-150		1	08/15/11 08:23	08/16/11 14:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	30-150		1	08/15/11 08:23	08/16/11 14:29	17060-07-0	
Toluene-d8 (S)	90	%	30-150		1	08/15/11 08:23	08/16/11 14:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%	30-150		1	08/15/11 08:23	08/16/11 14:29	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**6.4**	mg/kg	0.38	0.18	1		08/17/11 19:28	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-8 **Lab ID: 10166284005** Collected: 08/10/11 11:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**69.1**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	83-32-9	
Acenaphthylene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	208-96-8	
Anthracene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	85-68-7	
Carbazole	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	59-50-7	
4-Chloroaniline	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/19/11 01:39	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	91-58-7	
2-Chlorophenol	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	7005-72-3	
Chrysene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	53-70-3	
Dibenzofuran	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.1	0.20	1	08/16/11 09:44	08/19/11 01:39	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/19/11 01:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	2.2	1.1	1	08/16/11 09:44	08/19/11 01:39	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	120-83-2	
Diethylphthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	105-67-9	
Dimethylphthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	131-11-3	
Di-n-butylphthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	117-81-7	
Fluoranthene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	206-44-0	
Fluorene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.1	0.21	1	08/16/11 09:44	08/19/11 01:39	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	118-74-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-8 **Lab ID: 10166284005** Collected: 08/10/11 11:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Hexachloroethane	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	193-39-5	
Isophorone	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/19/11 01:39	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.1	0.16	1	08/16/11 09:44	08/19/11 01:39	95-48-7	
3&4-Methylphenol	ND	mg/kg	2.1	1.1	1	08/16/11 09:44	08/19/11 01:39		
Naphthalene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	91-20-3	
2-Nitroaniline	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	88-74-4	
3-Nitroaniline	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	99-09-2	
4-Nitroaniline	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	100-01-6	
Nitrobenzene	ND	mg/kg	1.1	0.21	1	08/16/11 09:44	08/19/11 01:39	98-95-3	
2-Nitrophenol	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	88-75-5	
4-Nitrophenol	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/19/11 01:39	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.1	0.18	1	08/16/11 09:44	08/19/11 01:39	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	86-30-6	
Pentachlorophenol	ND	mg/kg	2.2	1.1	1	08/16/11 09:44	08/19/11 01:39	87-86-5	
Phenanthrene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	85-01-8	
Phenol	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	108-95-2	
Pyrene	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.1	0.19	1	08/16/11 09:44	08/19/11 01:39	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	5.5	2.7	1	08/16/11 09:44	08/19/11 01:39	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.1	0.53	1	08/16/11 09:44	08/19/11 01:39	88-06-2	
Nitrobenzene-d5 (S)	61	%	50-120		1	08/16/11 09:44	08/19/11 01:39	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-150		1	08/16/11 09:44	08/19/11 01:39	321-60-8	
Terphenyl-d14 (S)	85	%	30-150		1	08/16/11 09:44	08/19/11 01:39	1718-51-0	
Phenol-d6 (S)	65	%	30-149		1	08/16/11 09:44	08/19/11 01:39	13127-88-3	
2-Fluorophenol (S)	59	%	30-147		1	08/16/11 09:44	08/19/11 01:39	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/16/11 09:44	08/19/11 01:39	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.6	0.82	1	08/15/11 10:59	08/16/11 05:28	67-64-1	
Allyl chloride	ND	mg/kg	0.66	0.22	1	08/15/11 10:59	08/16/11 05:28	107-05-1	
Benzene	ND	mg/kg	0.066	0.033	1	08/15/11 10:59	08/16/11 05:28	71-43-2	
Bromobenzene	ND	mg/kg	0.16	0.050	1	08/15/11 10:59	08/16/11 05:28	108-86-1	
Bromochloromethane	ND	mg/kg	0.16	0.075	1	08/15/11 10:59	08/16/11 05:28	74-97-5	
Bromodichloromethane	ND	mg/kg	0.16	0.064	1	08/15/11 10:59	08/16/11 05:28	75-27-4	
Bromoform	ND	mg/kg	0.66	0.16	1	08/15/11 10:59	08/16/11 05:28	75-25-2	
Bromomethane	ND	mg/kg	1.6	0.25	1	08/15/11 10:59	08/16/11 05:28	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	1.6	0.82	1	08/15/11 10:59	08/16/11 05:28	78-93-3	
n-Butylbenzene	ND	mg/kg	0.16	0.016	1	08/15/11 10:59	08/16/11 05:28	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.16	0.018	1	08/15/11 10:59	08/16/11 05:28	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.16	0.021	1	08/15/11 10:59	08/16/11 05:28	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.16	0.038	1	08/15/11 10:59	08/16/11 05:28	56-23-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-8 **Lab ID: 10166284005** Collected: 08/10/11 11:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chlorobenzene	ND	mg/kg	0.16	0.037	1	08/15/11 10:59	08/16/11 05:28	108-90-7	
Chloroethane	ND	mg/kg	1.6	0.40	1	08/15/11 10:59	08/16/11 05:28	75-00-3	
Chloroform	ND	mg/kg	0.16	0.036	1	08/15/11 10:59	08/16/11 05:28	67-66-3	
Chloromethane	ND	mg/kg	0.66	0.11	1	08/15/11 10:59	08/16/11 05:28	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.16	0.022	1	08/15/11 10:59	08/16/11 05:28	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.16	0.022	1	08/15/11 10:59	08/16/11 05:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.66	0.12	1	08/15/11 10:59	08/16/11 05:28	96-12-8	
Dibromochloromethane	ND	mg/kg	0.16	0.035	1	08/15/11 10:59	08/16/11 05:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.16	0.051	1	08/15/11 10:59	08/16/11 05:28	106-93-4	
Dibromomethane	ND	mg/kg	0.16	0.065	1	08/15/11 10:59	08/16/11 05:28	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.16	0.051	1	08/15/11 10:59	08/16/11 05:28	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.16	0.021	1	08/15/11 10:59	08/16/11 05:28	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.16	0.029	1	08/15/11 10:59	08/16/11 05:28	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.16	0.050	1	08/15/11 10:59	08/16/11 05:28	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.16	0.056	1	08/15/11 10:59	08/16/11 05:28	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.16	0.042	1	08/15/11 10:59	08/16/11 05:28	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.16	0.083	1	08/15/11 10:59	08/16/11 05:28	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.16	0.055	1	08/15/11 10:59	08/16/11 05:28	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.16	0.047	1	08/15/11 10:59	08/16/11 05:28	156-60-5	
Dichlorofluoromethane	ND	mg/kg	1.6	0.086	1	08/15/11 10:59	08/16/11 05:28	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.16	0.072	1	08/15/11 10:59	08/16/11 05:28	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.16	0.027	1	08/15/11 10:59	08/16/11 05:28	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.66	0.066	1	08/15/11 10:59	08/16/11 05:28	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.16	0.036	1	08/15/11 10:59	08/16/11 05:28	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.16	0.029	1	08/15/11 10:59	08/16/11 05:28	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.16	0.031	1	08/15/11 10:59	08/16/11 05:28	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.66	0.11	1	08/15/11 10:59	08/16/11 05:28	60-29-7	
Ethylbenzene	ND	mg/kg	0.16	0.0091	1	08/15/11 10:59	08/16/11 05:28	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.82	0.019	1	08/15/11 10:59	08/16/11 05:28	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.16	0.021	1	08/15/11 10:59	08/16/11 05:28	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.16	0.028	1	08/15/11 10:59	08/16/11 05:28	99-87-6	
Methylene Chloride	ND	mg/kg	0.66	0.33	1	08/15/11 10:59	08/16/11 05:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.6	0.82	1	08/15/11 10:59	08/16/11 05:28	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.16	0.055	1	08/15/11 10:59	08/16/11 05:28	1634-04-4	
Naphthalene	ND	mg/kg	0.66	0.028	1	08/15/11 10:59	08/16/11 05:28	91-20-3	
n-Propylbenzene	ND	mg/kg	0.16	0.013	1	08/15/11 10:59	08/16/11 05:28	103-65-1	
Styrene	ND	mg/kg	0.16	0.021	1	08/15/11 10:59	08/16/11 05:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.16	0.040	1	08/15/11 10:59	08/16/11 05:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.16	0.039	1	08/15/11 10:59	08/16/11 05:28	79-34-5	
Tetrachloroethene	ND	mg/kg	0.16	0.043	1	08/15/11 10:59	08/16/11 05:28	127-18-4	
Tetrahydrofuran	ND	mg/kg	6.6	0.49	1	08/15/11 10:59	08/16/11 05:28	109-99-9	
Toluene	ND	mg/kg	0.16	0.025	1	08/15/11 10:59	08/16/11 05:28	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.16	0.046	1	08/15/11 10:59	08/16/11 05:28	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.16	0.036	1	08/15/11 10:59	08/16/11 05:28	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.16	0.021	1	08/15/11 10:59	08/16/11 05:28	71-55-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-8 **Lab ID: 10166284005** Collected: 08/10/11 11:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,2-Trichloroethane	ND	mg/kg	0.16	0.071	1	08/15/11 10:59	08/16/11 05:28	79-00-5	
Trichloroethene	ND	mg/kg	0.16	0.054	1	08/15/11 10:59	08/16/11 05:28	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.66	0.081	1	08/15/11 10:59	08/16/11 05:28	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.66	0.052	1	08/15/11 10:59	08/16/11 05:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.16	0.065	1	08/15/11 10:59	08/16/11 05:28	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.16	0.024	1	08/15/11 10:59	08/16/11 05:28	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.16	0.022	1	08/15/11 10:59	08/16/11 05:28	108-67-8	
Vinyl chloride	ND	mg/kg	0.066	0.031	1	08/15/11 10:59	08/16/11 05:28	75-01-4	
Xylene (Total)	ND	mg/kg	0.49	0.089	1	08/15/11 10:59	08/16/11 05:28	1330-20-7	
Dibromofluoromethane (S)	165	%	30-150		1	08/15/11 10:59	08/16/11 05:28	1868-53-7	S3
1,2-Dichloroethane-d4 (S)	155	%	30-150		1	08/15/11 10:59	08/16/11 05:28	17060-07-0	S3
Toluene-d8 (S)	145	%	30-150		1	08/15/11 10:59	08/16/11 05:28	2037-26-5	
4-Bromofluorobenzene (S)	157	%	30-150		1	08/15/11 10:59	08/16/11 05:28	460-00-4	S3

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-20 **Lab ID: 10166284006** Collected: 08/10/11 11:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/16/11 14:17	08/18/11 20:45	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 20:45		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 20:45	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/16/11 14:17	08/18/11 20:45	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	120-82-1	
Naphthalene	**174**	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	59-50-7	
2-Methylnaphthalene	**13.0**	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	95-95-4	
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	99-09-2	
Acenaphthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 20:45	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/16/11 14:17	08/18/11 20:45	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-20 **Lab ID: 10166284006** Collected: 08/10/11 11:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 20:45	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 20:45	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/16/11 14:17	08/18/11 20:45	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	122-66-7	
Carbazole	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	86-74-8	
1-Methylnaphthalene	**18.1**	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 20:45	90-12-0	
Nitrobenzene-d5 (S)	82	%	30-150		1	08/16/11 14:17	08/18/11 20:45	4165-60-0	
2-Fluorobiphenyl (S)	84	%	30-150		1	08/16/11 14:17	08/18/11 20:45	321-60-8	
Terphenyl-d14 (S)	84	%	30-150		1	08/16/11 14:17	08/18/11 20:45	1718-51-0	
Phenol-d6 (S)	80	%	30-150		1	08/16/11 14:17	08/18/11 20:45	13127-88-3	
2-Fluorophenol (S)	74	%	30-148		1	08/16/11 14:17	08/18/11 20:45	367-12-4	
2,4,6-Tribromophenol (S)	97	%	30-150		1	08/16/11 14:17	08/18/11 20:45	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 00:52	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 00:52	107-05-1	
Benzene	**20.9**	ug/L	1.0	0.36	1		08/16/11 00:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 00:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 00:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 00:52	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 00:52	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 00:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 00:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 00:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 00:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 00:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 00:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 00:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 00:52	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 00:52	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 00:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 00:52	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-20 **Lab ID: 10166284006** Collected: 08/10/11 11:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 00:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 00:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 00:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 00:52	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 00:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 00:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 00:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 00:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 00:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 00:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 00:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 00:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 00:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 00:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 00:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 00:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 00:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 00:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 00:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 00:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 00:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 00:52	60-29-7	
Ethylbenzene	**18.3**	ug/L	1.0	0.38	1		08/16/11 00:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 00:52	87-68-3	
Isopropylbenzene (Cumene)	**1.3**	ug/L	1.0	0.36	1		08/16/11 00:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 00:52	99-87-6	
Methylene Chloride	**9.9**	ug/L	4.0	2.0	1		08/16/11 00:52	75-09-2	Z3
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 00:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 00:52	1634-04-4	
Naphthalene	**306**	ug/L	20.0	2.8	5		08/16/11 13:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 00:52	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 00:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 00:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 00:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 00:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 00:52	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 00:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 00:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 00:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 00:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 00:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 00:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 00:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 00:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 00:52	76-13-1	
1,2,4-Trimethylbenzene	**7.5**	ug/L	1.0	0.26	1		08/16/11 00:52	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-17-20 **Lab ID: 10166284006** Collected: 08/10/11 11:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**2.2**	ug/L	1.0	0.38	1		08/16/11 00:52	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 00:52	75-01-4	
Xylene (Total)	**27.8**	ug/L	3.0	1.1	1		08/16/11 00:52	1330-20-7	
m&p-Xylene	**20.9**	ug/L	2.0	0.66	1		08/16/11 00:52	179601-23-1	
o-Xylene	**6.8**	ug/L	1.0	0.46	1		08/16/11 00:52	95-47-6	
Dibromofluoromethane (S)	101	%	75-125		1		08/16/11 00:52	1868-53-7	HS
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		08/16/11 00:52	17060-07-0	
Toluene-d8 (S)	97	%	75-125		1		08/16/11 00:52	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/16/11 00:52	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-6 **Lab ID: 10166284007** Collected: 08/10/11 12:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**79.9**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	83-32-9	
Acenaphthylene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	208-96-8	
Anthracene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	85-68-7	
Carbazole	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	59-50-7	
4-Chloroaniline	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.6	0.30	1	08/16/11 09:44	08/19/11 04:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.6	0.28	1	08/16/11 09:44	08/19/11 04:04	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	91-58-7	
2-Chlorophenol	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	7005-72-3	
Chrysene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	53-70-3	
Dibenzofuran	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.6	0.30	1	08/16/11 09:44	08/19/11 04:04	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.6	0.28	1	08/16/11 09:44	08/19/11 04:04	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/19/11 04:04	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	120-83-2	
Diethylphthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	105-67-9	
Dimethylphthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	131-11-3	
Di-n-butylphthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	117-81-7	
Fluoranthene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	206-44-0	
Fluorene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.6	0.32	1	08/16/11 09:44	08/19/11 04:04	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	118-74-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-6 **Lab ID: 10166284007** Collected: 08/10/11 12:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Hexachloroethane	ND	mg/kg	1.6	0.30	1	08/16/11 09:44	08/19/11 04:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	193-39-5	
Isophorone	ND	mg/kg	1.6	0.28	1	08/16/11 09:44	08/19/11 04:04	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.6	0.25	1	08/16/11 09:44	08/19/11 04:04	95-48-7	
3&4-Methylphenol	ND	mg/kg	3.3	1.6	1	08/16/11 09:44	08/19/11 04:04		
Naphthalene	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	91-20-3	
2-Nitroaniline	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	88-74-4	
3-Nitroaniline	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	99-09-2	
4-Nitroaniline	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	100-01-6	
Nitrobenzene	ND	mg/kg	1.6	0.32	1	08/16/11 09:44	08/19/11 04:04	98-95-3	
2-Nitrophenol	ND	mg/kg	1.6	0.30	1	08/16/11 09:44	08/19/11 04:04	88-75-5	
4-Nitrophenol	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.6	0.27	1	08/16/11 09:44	08/19/11 04:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.6	0.27	1	08/16/11 09:44	08/19/11 04:04	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	86-30-6	
Pentachlorophenol	ND	mg/kg	3.3	1.7	1	08/16/11 09:44	08/19/11 04:04	87-86-5	
Phenanthrene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	85-01-8	
Phenol	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	108-95-2	
Pyrene	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.6	0.29	1	08/16/11 09:44	08/19/11 04:04	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	8.4	4.2	1	08/16/11 09:44	08/19/11 04:04	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.6	0.82	1	08/16/11 09:44	08/19/11 04:04	88-06-2	
Nitrobenzene-d5 (S)	68	%	50-120		1	08/16/11 09:44	08/19/11 04:04	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-150		1	08/16/11 09:44	08/19/11 04:04	321-60-8	
Terphenyl-d14 (S)	79	%	30-150		1	08/16/11 09:44	08/19/11 04:04	1718-51-0	
Phenol-d6 (S)	68	%	30-149		1	08/16/11 09:44	08/19/11 04:04	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		1	08/16/11 09:44	08/19/11 04:04	367-12-4	
2,4,6-Tribromophenol (S)	85	%	30-150		1	08/16/11 09:44	08/19/11 04:04	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	2.5	1.3	1	08/15/11 10:59	08/16/11 05:48	67-64-1	
Allyl chloride	ND	mg/kg	1.0	0.33	1	08/15/11 10:59	08/16/11 05:48	107-05-1	
Benzene	ND	mg/kg	0.10	0.050	1	08/15/11 10:59	08/16/11 05:48	71-43-2	
Bromobenzene	ND	mg/kg	0.25	0.077	1	08/15/11 10:59	08/16/11 05:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.25	0.12	1	08/15/11 10:59	08/16/11 05:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.25	0.099	1	08/15/11 10:59	08/16/11 05:48	75-27-4	
Bromoform	ND	mg/kg	1.0	0.25	1	08/15/11 10:59	08/16/11 05:48	75-25-2	
Bromomethane	ND	mg/kg	2.5	0.38	1	08/15/11 10:59	08/16/11 05:48	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	2.5	1.3	1	08/15/11 10:59	08/16/11 05:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.25	0.024	1	08/15/11 10:59	08/16/11 05:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.25	0.027	1	08/15/11 10:59	08/16/11 05:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.25	0.032	1	08/15/11 10:59	08/16/11 05:48	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.25	0.059	1	08/15/11 10:59	08/16/11 05:48	56-23-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-6 **Lab ID: 10166284007** Collected: 08/10/11 12:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chlorobenzene	ND	mg/kg	0.25	0.057	1	08/15/11 10:59	08/16/11 05:48	108-90-7	
Chloroethane	ND	mg/kg	2.5	0.61	1	08/15/11 10:59	08/16/11 05:48	75-00-3	
Chloroform	ND	mg/kg	0.25	0.056	1	08/15/11 10:59	08/16/11 05:48	67-66-3	
Chloromethane	ND	mg/kg	1.0	0.17	1	08/15/11 10:59	08/16/11 05:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.25	0.035	1	08/15/11 10:59	08/16/11 05:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.25	0.034	1	08/15/11 10:59	08/16/11 05:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	1.0	0.19	1	08/15/11 10:59	08/16/11 05:48	96-12-8	
Dibromochloromethane	ND	mg/kg	0.25	0.054	1	08/15/11 10:59	08/16/11 05:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.25	0.078	1	08/15/11 10:59	08/16/11 05:48	106-93-4	
Dibromomethane	ND	mg/kg	0.25	0.10	1	08/15/11 10:59	08/16/11 05:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.25	0.078	1	08/15/11 10:59	08/16/11 05:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.25	0.032	1	08/15/11 10:59	08/16/11 05:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.25	0.045	1	08/15/11 10:59	08/16/11 05:48	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.25	0.077	1	08/15/11 10:59	08/16/11 05:48	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.25	0.087	1	08/15/11 10:59	08/16/11 05:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.25	0.065	1	08/15/11 10:59	08/16/11 05:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.25	0.13	1	08/15/11 10:59	08/16/11 05:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.25	0.085	1	08/15/11 10:59	08/16/11 05:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.25	0.072	1	08/15/11 10:59	08/16/11 05:48	156-60-5	
Dichlorofluoromethane	ND	mg/kg	2.5	0.13	1	08/15/11 10:59	08/16/11 05:48	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.25	0.11	1	08/15/11 10:59	08/16/11 05:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.25	0.042	1	08/15/11 10:59	08/16/11 05:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	1.0	0.10	1	08/15/11 10:59	08/16/11 05:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.25	0.056	1	08/15/11 10:59	08/16/11 05:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.25	0.044	1	08/15/11 10:59	08/16/11 05:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.25	0.047	1	08/15/11 10:59	08/16/11 05:48	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	1.0	0.17	1	08/15/11 10:59	08/16/11 05:48	60-29-7	
Ethylbenzene	ND	mg/kg	0.25	0.014	1	08/15/11 10:59	08/16/11 05:48	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	1.3	0.029	1	08/15/11 10:59	08/16/11 05:48	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.25	0.032	1	08/15/11 10:59	08/16/11 05:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.25	0.044	1	08/15/11 10:59	08/16/11 05:48	99-87-6	
Methylene Chloride	ND	mg/kg	1.0	0.51	1	08/15/11 10:59	08/16/11 05:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.5	1.3	1	08/15/11 10:59	08/16/11 05:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.25	0.084	1	08/15/11 10:59	08/16/11 05:48	1634-04-4	
Naphthalene	ND	mg/kg	1.0	0.043	1	08/15/11 10:59	08/16/11 05:48	91-20-3	
n-Propylbenzene	ND	mg/kg	0.25	0.020	1	08/15/11 10:59	08/16/11 05:48	103-65-1	
Styrene	ND	mg/kg	0.25	0.032	1	08/15/11 10:59	08/16/11 05:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.25	0.062	1	08/15/11 10:59	08/16/11 05:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.25	0.060	1	08/15/11 10:59	08/16/11 05:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.25	0.067	1	08/15/11 10:59	08/16/11 05:48	127-18-4	
Tetrahydrofuran	ND	mg/kg	10.1	0.75	1	08/15/11 10:59	08/16/11 05:48	109-99-9	
Toluene	ND	mg/kg	0.25	0.038	1	08/15/11 10:59	08/16/11 05:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.25	0.071	1	08/15/11 10:59	08/16/11 05:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.25	0.056	1	08/15/11 10:59	08/16/11 05:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.25	0.033	1	08/15/11 10:59	08/16/11 05:48	71-55-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-6 **Lab ID: 10166284007** Collected: 08/10/11 12:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,2-Trichloroethane	ND	mg/kg	0.25	0.11	1	08/15/11 10:59	08/16/11 05:48	79-00-5	
Trichloroethene	ND	mg/kg	0.25	0.083	1	08/15/11 10:59	08/16/11 05:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	1.0	0.12	1	08/15/11 10:59	08/16/11 05:48	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	1.0	0.080	1	08/15/11 10:59	08/16/11 05:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.25	0.10	1	08/15/11 10:59	08/16/11 05:48	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.25	0.037	1	08/15/11 10:59	08/16/11 05:48	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.25	0.034	1	08/15/11 10:59	08/16/11 05:48	108-67-8	
Vinyl chloride	ND	mg/kg	0.10	0.047	1	08/15/11 10:59	08/16/11 05:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.76	0.14	1	08/15/11 10:59	08/16/11 05:48	1330-20-7	
Dibromofluoromethane (S)	125	%	30-150		1	08/15/11 10:59	08/16/11 05:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	120	%	30-150		1	08/15/11 10:59	08/16/11 05:48	17060-07-0	
Toluene-d8 (S)	112	%	30-150		1	08/15/11 10:59	08/16/11 05:48	2037-26-5	
4-Bromofluorobenzene (S)	118	%	30-150		1	08/15/11 10:59	08/16/11 05:48	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-3W **Lab ID: 10166284008** Collected: 08/10/11 12:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**11.7**	mg/L	0.57	0.29	5	08/12/11 07:17	08/17/11 16:48		
n-Triacontane (S)	94	%	50-150		5	08/12/11 07:17	08/17/11 16:48		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	**4230**	ug/L	200	26.0	2		08/17/11 15:39		
a,a,a-Trifluorotoluene (S)	102	%	80-125		2		08/17/11 15:39	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/15/11 11:59	08/15/11 17:02	7440-38-2	
Barium	**219**	ug/L	10.0	0.37	1	08/15/11 11:59	08/15/11 17:02	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/15/11 11:59	08/15/11 17:02	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/15/11 11:59	08/15/11 17:02	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/15/11 11:59	08/15/11 17:02	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/15/11 11:59	08/15/11 17:02	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/15/11 11:59	08/15/11 17:02	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/15/11 11:47	08/16/11 08:12	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	111-44-4	
2-Chlorophenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	562	86.0	50	08/16/11 14:17	08/19/11 00:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	562	69.1	50	08/16/11 14:17	08/19/11 00:40	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	108-60-1	
3&4-Methylphenol	ND	ug/L	1120	562	50	08/16/11 14:17	08/19/11 00:40		
N-Nitroso-di-n-propylamine	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	621-64-7	
Hexachloroethane	ND	ug/L	562	84.8	50	08/16/11 14:17	08/19/11 00:40	67-72-1	
Nitrobenzene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	98-95-3	
Isophorone	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	78-59-1	
2-Nitrophenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	88-75-5	
2,4-Dimethylphenol	ND	ug/L	562	238	50	08/16/11 14:17	08/19/11 00:40	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	111-91-1	
2,4-Dichlorophenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	120-82-1	
Naphthalene	**5980**	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	91-20-3	
4-Chloroaniline	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	59-50-7	
2-Methylnaphthalene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-3W **Lab ID: 10166284008** Collected: 08/10/11 12:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	91-58-7	
2-Nitroaniline	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	88-74-4	
Dimethylphthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	131-11-3	
Acenaphthylene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	606-20-2	
3-Nitroaniline	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	99-09-2	
Acenaphthene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	83-32-9	
2,4-Dinitrophenol	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	51-28-5	
4-Nitrophenol	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	100-02-7	
Dibenzofuran	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	121-14-2	
Diethylphthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	7005-72-3	
Fluorene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	86-73-7	
4-Nitroaniline	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	2810	1400	50	08/16/11 14:17	08/19/11 00:40	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	101-55-3	
Hexachlorobenzene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	118-74-1	
Pentachlorophenol	ND	ug/L	1290	646	50	08/16/11 14:17	08/19/11 00:40	87-86-5	
Phenanthrene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	85-01-8	
Anthracene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	120-12-7	
Di-n-butylphthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	84-74-2	
Fluoranthene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	206-44-0	
Pyrene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	129-00-0	
Butylbenzylphthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	1120	562	50	08/16/11 14:17	08/19/11 00:40	91-94-1	
Benzo(a)anthracene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	56-55-3	
Chrysene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	117-81-7	
Di-n-octylphthalate	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	207-08-9	
Benzo(a)pyrene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	1120	562	50	08/16/11 14:17	08/19/11 00:40	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	562	173	50	08/16/11 14:17	08/19/11 00:40	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	122-66-7	
Carbazole	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	86-74-8	
1-Methylnaphthalene	ND	ug/L	562	281	50	08/16/11 14:17	08/19/11 00:40	90-12-0	
Nitrobenzene-d5 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:40	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:40	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:40	1718-51-0	S4
Phenol-d6 (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:40	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-148		50	08/16/11 14:17	08/19/11 00:40	367-12-4	S4

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-3W **Lab ID: 10166284008** Collected: 08/10/11 12:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/16/11 14:17	08/19/11 00:40	118-79-6	S4
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	250	125	10		08/16/11 02:46	67-64-1	CL
Allyl chloride	ND	ug/L	40.0	5.1	10		08/16/11 02:46	107-05-1	
Benzene	**153**	ug/L	10.0	3.6	10		08/16/11 02:46	71-43-2	
Bromobenzene	ND	ug/L	10.0	3.1	10		08/16/11 02:46	108-86-1	
Bromochloromethane	ND	ug/L	10.0	2.2	10		08/16/11 02:46	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	2.3	10		08/16/11 02:46	75-27-4	
Bromoform	ND	ug/L	40.0	20.0	10		08/16/11 02:46	75-25-2	
Bromomethane	ND	ug/L	40.0	3.6	10		08/16/11 02:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	40.0	20.0	10		08/16/11 02:46	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	3.8	10		08/16/11 02:46	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	3.7	10		08/16/11 02:46	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	4.7	10		08/16/11 02:46	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	3.8	10		08/16/11 02:46	56-23-5	
Chlorobenzene	ND	ug/L	10.0	3.3	10		08/16/11 02:46	108-90-7	
Chloroethane	ND	ug/L	10.0	3.2	10		08/16/11 02:46	75-00-3	
Chloroform	ND	ug/L	10.0	3.4	10		08/16/11 02:46	67-66-3	
Chloromethane	ND	ug/L	40.0	3.6	10		08/16/11 02:46	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.7	10		08/16/11 02:46	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	2.9	10		08/16/11 02:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	12.3	10		08/16/11 02:46	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	3.6	10		08/16/11 02:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.6	10		08/16/11 02:46	106-93-4	
Dibromomethane	ND	ug/L	40.0	4.8	10		08/16/11 02:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.1	10		08/16/11 02:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	4.0	10		08/16/11 02:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.4	10		08/16/11 02:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.3	10		08/16/11 02:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	2.3	10		08/16/11 02:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	2.3	10		08/16/11 02:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	4.7	10		08/16/11 02:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	3.7	10		08/16/11 02:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	40.0	2.1	10		08/16/11 02:46	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	2.5	10		08/16/11 02:46	75-43-4	
1,2-Dichloropropane	ND	ug/L	40.0	4.1	10		08/16/11 02:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	3.6	10		08/16/11 02:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	4.2	10		08/16/11 02:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.6	10		08/16/11 02:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	2.7	10		08/16/11 02:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	1.8	10		08/16/11 02:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	2.8	10		08/16/11 02:46	60-29-7	
Ethylbenzene	**75.6**	ug/L	10.0	3.8	10		08/16/11 02:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	2.0	10		08/16/11 02:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	3.6	10		08/16/11 02:46	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-18-3W **Lab ID: 10166284008** Collected: 08/10/11 12:10 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	10.0	3.6	10		08/16/11 02:46	99-87-6	
Methylene Chloride	ND	ug/L	40.0	20.0	10		08/16/11 02:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	40.0	20.0	10		08/16/11 02:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	2.4	10		08/16/11 02:46	1634-04-4	
Naphthalene	**8380**	ug/L	200	28.5	50		08/16/11 14:53	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	4.2	10		08/16/11 02:46	103-65-1	
Styrene	ND	ug/L	10.0	3.5	10		08/16/11 02:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.5	10		08/16/11 02:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	1.7	10		08/16/11 02:46	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	2.6	10		08/16/11 02:46	127-18-4	
Tetrahydrofuran	ND	ug/L	100	41.0	10		08/16/11 02:46	109-99-9	
Toluene	ND	ug/L	10.0	3.9	10		08/16/11 02:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	2.9	10		08/16/11 02:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.3	10		08/16/11 02:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	2.6	10		08/16/11 02:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	3.8	10		08/16/11 02:46	79-00-5	
Trichloroethene	ND	ug/L	10.0	2.0	10		08/16/11 02:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	3.0	10		08/16/11 02:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	2.5	10		08/16/11 02:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	10.0	4.9	10		08/16/11 02:46	76-13-1	
1,2,4-Trimethylbenzene	**44.9**	ug/L	10.0	2.6	10		08/16/11 02:46	95-63-6	
1,3,5-Trimethylbenzene	**13.4**	ug/L	10.0	3.8	10		08/16/11 02:46	108-67-8	
Vinyl chloride	ND	ug/L	4.0	1.7	10		08/16/11 02:46	75-01-4	
Xylene (Total)	**212**	ug/L	30.0	11.2	10		08/16/11 02:46	1330-20-7	
m&p-Xylene	**138**	ug/L	20.0	6.6	10		08/16/11 02:46	179601-23-1	
o-Xylene	**73.2**	ug/L	10.0	4.6	10		08/16/11 02:46	95-47-6	
Dibromofluoromethane (S)	100	%	75-125		10		08/16/11 02:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	75-125		10		08/16/11 02:46	17060-07-0	
Toluene-d8 (S)	98	%	75-125		10		08/16/11 02:46	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		10		08/16/11 02:46	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-5 **Lab ID: 10166284009** Collected: 08/10/11 13:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**35.6**	mg/kg	5.6	0.36	1	08/15/11 07:32	08/16/11 12:41		T6
n-Triacontane (S)	67	%	50-150		1	08/15/11 07:32	08/16/11 12:41		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.5	2.4	1	08/15/11 11:09	08/18/11 07:18		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/15/11 11:09	08/18/11 07:18	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.8**	mg/kg	0.40	0.20	1	08/15/11 15:47	08/16/11 15:13	7440-38-2	
Barium	**88.0**	mg/kg	0.40	0.016	1	08/15/11 15:47	08/16/11 15:13	7440-39-3	
Cadmium	**0.29**	mg/kg	0.040	0.0081	1	08/15/11 15:47	08/16/11 15:13	7440-43-9	
Chromium	**16.8**	mg/kg	0.40	0.057	1	08/15/11 15:47	08/16/11 15:13	7440-47-3	
Lead	**90.6**	mg/kg	0.24	0.040	1	08/15/11 15:47	08/16/11 15:13	7439-92-1	
Selenium	**0.80**	mg/kg	0.61	0.11	1	08/15/11 15:47	08/16/11 15:13	7782-49-2	
Silver	ND	mg/kg	0.40	0.024	1	08/15/11 15:47	08/16/11 15:13	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.020	0.0016	1	08/16/11 13:09	08/17/11 11:37	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**12.3**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	83-32-9	
Acenaphthylene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	208-96-8	
Anthracene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	120-12-7	
Benzo(a)anthracene	**6.9**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	56-55-3	
Benzo(a)pyrene	**7.3**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	50-32-8	
Benzo(b)fluoranthene	**10.3**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	205-99-2	
Benzo(g,h,i)perylene	**4.5**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	191-24-2	
Benzo(k)fluoranthene	**3.2**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	101-55-3	
Butylbenzylphthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	85-68-7	
Carbazole	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	59-50-7	
4-Chloroaniline	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	1.9	0.32	5	08/16/11 09:44	08/19/11 13:38	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	1.9	0.34	5	08/16/11 09:44	08/19/11 13:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	1.9	0.32	5	08/16/11 09:44	08/19/11 13:38	108-60-1	
2-Chloronaphthalene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	91-58-7	
2-Chlorophenol	ND	mg/kg	1.9	0.33	5	08/16/11 09:44	08/19/11 13:38	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	7005-72-3	
Chrysene	**7.2**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-5 **Lab ID: 10166284009** Collected: 08/10/11 13:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	1.9	0.35	5	08/16/11 09:44	08/19/11 13:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	1.9	0.32	5	08/16/11 09:44	08/19/11 13:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	1.9	0.33	5	08/16/11 09:44	08/19/11 13:38	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	3.8	1.9	5	08/16/11 09:44	08/19/11 13:38	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	120-83-2	
Diethylphthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	105-67-9	
Dimethylphthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	131-11-3	
Di-n-butylphthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	606-20-2	
Di-n-octylphthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	117-81-7	
Fluoranthene	**9.4**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	206-44-0	
Fluorene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	1.9	0.36	5	08/16/11 09:44	08/19/11 13:38	87-68-3	
Hexachlorobenzene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	118-74-1	
Hexachloroethane	ND	mg/kg	1.9	0.34	5	08/16/11 09:44	08/19/11 13:38	67-72-1	
Indeno(1,2,3-cd)pyrene	**4.0**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	193-39-5	
Isophorone	ND	mg/kg	1.9	0.32	5	08/16/11 09:44	08/19/11 13:38	78-59-1	
1-Methylnaphthalene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	90-12-0	
2-Methylnaphthalene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	1.9	0.28	5	08/16/11 09:44	08/19/11 13:38	95-48-7	
3&4-Methylphenol	ND	mg/kg	3.7	1.9	5	08/16/11 09:44	08/19/11 13:38		
Naphthalene	ND	mg/kg	1.9	0.33	5	08/16/11 09:44	08/19/11 13:38	91-20-3	
2-Nitroaniline	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	88-74-4	
3-Nitroaniline	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	99-09-2	
4-Nitroaniline	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	100-01-6	
Nitrobenzene	ND	mg/kg	1.9	0.36	5	08/16/11 09:44	08/19/11 13:38	98-95-3	
2-Nitrophenol	ND	mg/kg	1.9	0.34	5	08/16/11 09:44	08/19/11 13:38	88-75-5	
4-Nitrophenol	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	1.9	0.31	5	08/16/11 09:44	08/19/11 13:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	1.9	0.31	5	08/16/11 09:44	08/19/11 13:38	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	86-30-6	
Pentachlorophenol	ND	mg/kg	3.8	1.9	5	08/16/11 09:44	08/19/11 13:38	87-86-5	
Phenanthrene	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	85-01-8	
Phenol	ND	mg/kg	1.9	0.33	5	08/16/11 09:44	08/19/11 13:38	108-95-2	
Pyrene	**8.8**	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	1.9	0.33	5	08/16/11 09:44	08/19/11 13:38	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	9.6	4.8	5	08/16/11 09:44	08/19/11 13:38	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	1.9	0.93	5	08/16/11 09:44	08/19/11 13:38	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-5 **Lab ID: 10166284009** Collected: 08/10/11 13:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	68	%	50-120		5	08/16/11 09:44	08/19/11 13:38	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-150		5	08/16/11 09:44	08/19/11 13:38	321-60-8	
Terphenyl-d14 (S)	75	%	30-150		5	08/16/11 09:44	08/19/11 13:38	1718-51-0	
Phenol-d6 (S)	69	%	30-149		5	08/16/11 09:44	08/19/11 13:38	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		5	08/16/11 09:44	08/19/11 13:38	367-12-4	
2,4,6-Tribromophenol (S)	73	%	30-150		5	08/16/11 09:44	08/19/11 13:38	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 03:44	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.073	1	08/15/11 10:59	08/16/11 03:44	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/15/11 10:59	08/16/11 03:44	71-43-2	
Bromobenzene	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 03:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.056	0.026	1	08/15/11 10:59	08/16/11 03:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 03:44	75-27-4	
Bromoform	ND	mg/kg	0.22	0.055	1	08/15/11 10:59	08/16/11 03:44	75-25-2	
Bromomethane	ND	mg/kg	0.56	0.084	1	08/15/11 10:59	08/16/11 03:44	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 03:44	78-93-3	
n-Butylbenzene	ND	mg/kg	0.056	0.0053	1	08/15/11 10:59	08/16/11 03:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.056	0.0059	1	08/15/11 10:59	08/16/11 03:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.056	0.0070	1	08/15/11 10:59	08/16/11 03:44	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 03:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 03:44	108-90-7	
Chloroethane	ND	mg/kg	0.56	0.13	1	08/15/11 10:59	08/16/11 03:44	75-00-3	
Chloroform	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 03:44	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.037	1	08/15/11 10:59	08/16/11 03:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.056	0.0076	1	08/15/11 10:59	08/16/11 03:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.056	0.0075	1	08/15/11 10:59	08/16/11 03:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.042	1	08/15/11 10:59	08/16/11 03:44	96-12-8	
Dibromochloromethane	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 03:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 03:44	106-93-4	
Dibromomethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 03:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 03:44	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.056	0.0071	1	08/15/11 10:59	08/16/11 03:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.056	0.010	1	08/15/11 10:59	08/16/11 03:44	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 03:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 03:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.056	0.014	1	08/15/11 10:59	08/16/11 03:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.056	0.028	1	08/15/11 10:59	08/16/11 03:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 03:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.056	0.016	1	08/15/11 10:59	08/16/11 03:44	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.56	0.029	1	08/15/11 10:59	08/16/11 03:44	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.056	0.024	1	08/15/11 10:59	08/16/11 03:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.056	0.0092	1	08/15/11 10:59	08/16/11 03:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/15/11 10:59	08/16/11 03:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 03:44	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-5 **Lab ID: 10166284009** Collected: 08/10/11 13:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.056	0.0097	1	08/15/11 10:59	08/16/11 03:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.056	0.010	1	08/15/11 10:59	08/16/11 03:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.037	1	08/15/11 10:59	08/16/11 03:44	60-29-7	
Ethylbenzene	ND	mg/kg	0.056	0.0031	1	08/15/11 10:59	08/16/11 03:44	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0063	1	08/15/11 10:59	08/16/11 03:44	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.056	0.0070	1	08/15/11 10:59	08/16/11 03:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.056	0.0096	1	08/15/11 10:59	08/16/11 03:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/15/11 10:59	08/16/11 03:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 03:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 03:44	1634-04-4	
Naphthalene	ND	mg/kg	0.22	0.0095	1	08/15/11 10:59	08/16/11 03:44	91-20-3	
n-Propylbenzene	ND	mg/kg	0.056	0.0044	1	08/15/11 10:59	08/16/11 03:44	103-65-1	
Styrene	ND	mg/kg	0.056	0.0070	1	08/15/11 10:59	08/16/11 03:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.056	0.014	1	08/15/11 10:59	08/16/11 03:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 03:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.056	0.015	1	08/15/11 10:59	08/16/11 03:44	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.17	1	08/15/11 10:59	08/16/11 03:44	109-99-9	
Toluene	ND	mg/kg	0.056	0.0084	1	08/15/11 10:59	08/16/11 03:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.056	0.016	1	08/15/11 10:59	08/16/11 03:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 03:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.056	0.0072	1	08/15/11 10:59	08/16/11 03:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.056	0.024	1	08/15/11 10:59	08/16/11 03:44	79-00-5	
Trichloroethene	ND	mg/kg	0.056	0.018	1	08/15/11 10:59	08/16/11 03:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/15/11 10:59	08/16/11 03:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.018	1	08/15/11 10:59	08/16/11 03:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 03:44	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.056	0.0082	1	08/15/11 10:59	08/16/11 03:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.056	0.0074	1	08/15/11 10:59	08/16/11 03:44	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/15/11 10:59	08/16/11 03:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.030	1	08/15/11 10:59	08/16/11 03:44	1330-20-7	
Dibromofluoromethane (S)	102	%	30-150		1	08/15/11 10:59	08/16/11 03:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	30-150		1	08/15/11 10:59	08/16/11 03:44	17060-07-0	
Toluene-d8 (S)	94	%	30-150		1	08/15/11 10:59	08/16/11 03:44	2037-26-5	
4-Bromofluorobenzene (S)	97	%	30-150		1	08/15/11 10:59	08/16/11 03:44	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-11W **Lab ID: 10166284010** Collected: 08/10/11 13:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 21:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/16/11 14:17	08/18/11 21:15	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 21:15		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/16/11 14:17	08/18/11 21:15	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/16/11 14:17	08/18/11 21:15	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	120-82-1	
Naphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	95-95-4	
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	99-09-2	
Acenaphthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/16/11 14:17	08/18/11 21:15	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/16/11 14:17	08/18/11 21:15	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-11W **Lab ID: 10166284010** Collected: 08/10/11 13:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 21:15	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/16/11 14:17	08/18/11 21:15	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/16/11 14:17	08/18/11 21:15	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	122-66-7	
Carbazole	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/16/11 14:17	08/18/11 21:15	90-12-0	
Nitrobenzene-d5 (S)	75	%	30-150		1	08/16/11 14:17	08/18/11 21:15	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-150		1	08/16/11 14:17	08/18/11 21:15	321-60-8	
Terphenyl-d14 (S)	93	%	30-150		1	08/16/11 14:17	08/18/11 21:15	1718-51-0	
Phenol-d6 (S)	73	%	30-150		1	08/16/11 14:17	08/18/11 21:15	13127-88-3	
2-Fluorophenol (S)	66	%	30-148		1	08/16/11 14:17	08/18/11 21:15	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-150		1	08/16/11 14:17	08/18/11 21:15	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/15/11 21:37	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/15/11 21:37	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/15/11 21:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/15/11 21:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/15/11 21:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/15/11 21:37	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/15/11 21:37	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/15/11 21:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/15/11 21:37	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 21:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/15/11 21:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/15/11 21:37	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/15/11 21:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/15/11 21:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/15/11 21:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/15/11 21:37	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/15/11 21:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/15/11 21:37	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-11W **Lab ID: 10166284010** Collected: 08/10/11 13:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/15/11 21:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/15/11 21:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/15/11 21:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/15/11 21:37	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/15/11 21:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/15/11 21:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/15/11 21:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/15/11 21:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/15/11 21:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/15/11 21:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/15/11 21:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/15/11 21:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/15/11 21:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/15/11 21:37	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/15/11 21:37	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/15/11 21:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/15/11 21:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/15/11 21:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/15/11 21:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/15/11 21:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/15/11 21:37	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/15/11 21:37	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 21:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/15/11 21:37	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/15/11 21:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/15/11 21:37	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/15/11 21:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/15/11 21:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/15/11 21:37	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/15/11 21:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/15/11 21:37	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/15/11 21:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/15/11 21:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/15/11 21:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/15/11 21:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/15/11 21:37	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/15/11 21:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/15/11 21:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/15/11 21:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/15/11 21:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/15/11 21:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/15/11 21:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/15/11 21:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/15/11 21:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/15/11 21:37	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/15/11 21:37	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-19-11W **Lab ID: 10166284010** Collected: 08/10/11 13:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/15/11 21:37	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/15/11 21:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/15/11 21:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/15/11 21:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/15/11 21:37	95-47-6	
Dibromofluoromethane (S)	103	%	75-125		1		08/15/11 21:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125		1		08/15/11 21:37	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/15/11 21:37	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/15/11 21:37	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6 **Lab ID: 10166284011** Collected: 08/10/11 14:30 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**34.6**	mg/kg	8.4	0.54	1	08/15/11 07:32	08/16/11 12:13		T6
n-Triacontane (S)	83	%	50-150		1	08/15/11 07:32	08/16/11 12:13		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.6	2.4	1	08/15/11 11:09	08/19/11 01:32		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/15/11 11:09	08/19/11 01:32	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.6**	mg/kg	0.41	0.20	1	08/15/11 15:47	08/16/11 15:18	7440-38-2	
Barium	**52.6**	mg/kg	0.41	0.016	1	08/15/11 15:47	08/16/11 15:18	7440-39-3	
Cadmium	**0.092**	mg/kg	0.041	0.0082	1	08/15/11 15:47	08/16/11 15:18	7440-43-9	
Chromium	**12.7**	mg/kg	0.41	0.057	1	08/15/11 15:47	08/16/11 15:18	7440-47-3	
Lead	**15.9**	mg/kg	0.25	0.041	1	08/15/11 15:47	08/16/11 15:18	7439-92-1	
Selenium	**0.75**	mg/kg	0.61	0.11	1	08/15/11 15:47	08/16/11 15:18	7782-49-2	
Silver	ND	mg/kg	0.41	0.025	1	08/15/11 15:47	08/16/11 15:18	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.0017	1	08/16/11 13:09	08/17/11 11:39	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**8.1**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	83-32-9	
Acenaphthylene	**0.42**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	208-96-8	
Anthracene	**0.42**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	120-12-7	
Benzo(a)anthracene	**2.3**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	56-55-3	
Benzo(a)pyrene	**2.4**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	50-32-8	
Benzo(b)fluoranthene	**3.1**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	205-99-2	
Benzo(g,h,i)perylene	**1.5**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	191-24-2	
Benzo(k)fluoranthene	**1.2**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/19/11 02:08	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/19/11 02:08	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/19/11 02:08	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/16/11 09:44	08/19/11 02:08	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	7005-72-3	
Chrysene	**2.3**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6 **Lab ID: 10166284011** Collected: 08/10/11 14:30 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/16/11 09:44	08/19/11 02:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/19/11 02:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/16/11 09:44	08/19/11 02:08	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.73	0.36	1	08/16/11 09:44	08/19/11 02:08	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	117-81-7	
Fluoranthene	**3.1**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/16/11 09:44	08/19/11 02:08	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	118-74-1	
Hexachloroethane	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/19/11 02:08	67-72-1	
Indeno(1,2,3-cd)pyrene	**1.4**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	193-39-5	
Isophorone	ND	mg/kg	0.36	0.062	1	08/16/11 09:44	08/19/11 02:08	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.054	1	08/16/11 09:44	08/19/11 02:08	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.72	0.36	1	08/16/11 09:44	08/19/11 02:08		
Naphthalene	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/19/11 02:08	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.070	1	08/16/11 09:44	08/19/11 02:08	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.065	1	08/16/11 09:44	08/19/11 02:08	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.060	1	08/16/11 09:44	08/19/11 02:08	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.059	1	08/16/11 09:44	08/19/11 02:08	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	86-30-6	
Pentachlorophenol	ND	mg/kg	0.73	0.36	1	08/16/11 09:44	08/19/11 02:08	87-86-5	
Phenanthrene	**0.75**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	85-01-8	
Phenol	ND	mg/kg	0.36	0.063	1	08/16/11 09:44	08/19/11 02:08	108-95-2	
Pyrene	**2.9**	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.064	1	08/16/11 09:44	08/19/11 02:08	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.92	1	08/16/11 09:44	08/19/11 02:08	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/16/11 09:44	08/19/11 02:08	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6 **Lab ID: 10166284011** Collected: 08/10/11 14:30 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	62	%	50-120		1	08/16/11 09:44	08/19/11 02:08	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-150		1	08/16/11 09:44	08/19/11 02:08	321-60-8	
Terphenyl-d14 (S)	81	%	30-150		1	08/16/11 09:44	08/19/11 02:08	1718-51-0	
Phenol-d6 (S)	66	%	30-149		1	08/16/11 09:44	08/19/11 02:08	13127-88-3	
2-Fluorophenol (S)	58	%	30-147		1	08/16/11 09:44	08/19/11 02:08	367-12-4	
2,4,6-Tribromophenol (S)	83	%	30-150		1	08/16/11 09:44	08/19/11 02:08	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.55	0.27	1	08/15/11 10:59	08/16/11 04:05	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.072	1	08/15/11 10:59	08/16/11 04:05	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/15/11 10:59	08/16/11 04:05	71-43-2	
Bromobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 10:59	08/16/11 04:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.055	0.025	1	08/15/11 10:59	08/16/11 04:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.055	0.021	1	08/15/11 10:59	08/16/11 04:05	75-27-4	
Bromoform	ND	mg/kg	0.22	0.055	1	08/15/11 10:59	08/16/11 04:05	75-25-2	
Bromomethane	ND	mg/kg	0.55	0.083	1	08/15/11 10:59	08/16/11 04:05	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.55	0.27	1	08/15/11 10:59	08/16/11 04:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.055	0.0052	1	08/15/11 10:59	08/16/11 04:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.055	0.0059	1	08/15/11 10:59	08/16/11 04:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.055	0.0069	1	08/15/11 10:59	08/16/11 04:05	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.055	0.013	1	08/15/11 10:59	08/16/11 04:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 10:59	08/16/11 04:05	108-90-7	
Chloroethane	ND	mg/kg	0.55	0.13	1	08/15/11 10:59	08/16/11 04:05	75-00-3	
Chloroform	ND	mg/kg	0.055	0.012	1	08/15/11 10:59	08/16/11 04:05	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.037	1	08/15/11 10:59	08/16/11 04:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/15/11 10:59	08/16/11 04:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.055	0.0074	1	08/15/11 10:59	08/16/11 04:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.041	1	08/15/11 10:59	08/16/11 04:05	96-12-8	
Dibromochloromethane	ND	mg/kg	0.055	0.012	1	08/15/11 10:59	08/16/11 04:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.055	0.017	1	08/15/11 10:59	08/16/11 04:05	106-93-4	
Dibromomethane	ND	mg/kg	0.055	0.022	1	08/15/11 10:59	08/16/11 04:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 10:59	08/16/11 04:05	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.055	0.0070	1	08/15/11 10:59	08/16/11 04:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.055	0.0098	1	08/15/11 10:59	08/16/11 04:05	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.055	0.017	1	08/15/11 10:59	08/16/11 04:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.055	0.019	1	08/15/11 10:59	08/16/11 04:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.055	0.014	1	08/15/11 10:59	08/16/11 04:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.055	0.028	1	08/15/11 10:59	08/16/11 04:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.055	0.018	1	08/15/11 10:59	08/16/11 04:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.055	0.016	1	08/15/11 10:59	08/16/11 04:05	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.55	0.029	1	08/15/11 10:59	08/16/11 04:05	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.055	0.024	1	08/15/11 10:59	08/16/11 04:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.055	0.0091	1	08/15/11 10:59	08/16/11 04:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/15/11 10:59	08/16/11 04:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.055	0.012	1	08/15/11 10:59	08/16/11 04:05	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6 **Lab ID: 10166284011** Collected: 08/10/11 14:30 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.055	0.0096	1	08/15/11 10:59	08/16/11 04:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.055	0.010	1	08/15/11 10:59	08/16/11 04:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.037	1	08/15/11 10:59	08/16/11 04:05	60-29-7	
Ethylbenzene	ND	mg/kg	0.055	0.0031	1	08/15/11 10:59	08/16/11 04:05	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.27	0.0062	1	08/15/11 10:59	08/16/11 04:05	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.055	0.0069	1	08/15/11 10:59	08/16/11 04:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.055	0.0095	1	08/15/11 10:59	08/16/11 04:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/15/11 10:59	08/16/11 04:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.55	0.27	1	08/15/11 10:59	08/16/11 04:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.055	0.018	1	08/15/11 10:59	08/16/11 04:05	1634-04-4	
Naphthalene	ND	mg/kg	0.22	0.0094	1	08/15/11 10:59	08/16/11 04:05	91-20-3	
n-Propylbenzene	ND	mg/kg	0.055	0.0044	1	08/15/11 10:59	08/16/11 04:05	103-65-1	
Styrene	ND	mg/kg	0.055	0.0070	1	08/15/11 10:59	08/16/11 04:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 10:59	08/16/11 04:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 10:59	08/16/11 04:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.055	0.014	1	08/15/11 10:59	08/16/11 04:05	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.16	1	08/15/11 10:59	08/16/11 04:05	109-99-9	
Toluene	ND	mg/kg	0.055	0.0083	1	08/15/11 10:59	08/16/11 04:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.055	0.015	1	08/15/11 10:59	08/16/11 04:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 10:59	08/16/11 04:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.055	0.0071	1	08/15/11 10:59	08/16/11 04:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.055	0.024	1	08/15/11 10:59	08/16/11 04:05	79-00-5	
Trichloroethene	ND	mg/kg	0.055	0.018	1	08/15/11 10:59	08/16/11 04:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/15/11 10:59	08/16/11 04:05	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.017	1	08/15/11 10:59	08/16/11 04:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.055	0.022	1	08/15/11 10:59	08/16/11 04:05	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.055	0.0081	1	08/15/11 10:59	08/16/11 04:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.055	0.0073	1	08/15/11 10:59	08/16/11 04:05	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/15/11 10:59	08/16/11 04:05	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.030	1	08/15/11 10:59	08/16/11 04:05	1330-20-7	
Dibromofluoromethane (S)	112	%	30-150		1	08/15/11 10:59	08/16/11 04:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	30-150		1	08/15/11 10:59	08/16/11 04:05	17060-07-0	
Toluene-d8 (S)	103	%	30-150		1	08/15/11 10:59	08/16/11 04:05	2037-26-5	
4-Bromofluorobenzene (S)	107	%	30-150		1	08/15/11 10:59	08/16/11 04:05	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6W **Lab ID: 10166284012** Collected: 08/10/11 14:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.12	0.060	1	08/12/11 07:17	08/17/11 16:02		
n-Triacontane (S)	107	%	50-150		1	08/12/11 07:17	08/17/11 16:02		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 03:27		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1		08/16/11 03:27	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/15/11 11:59	08/15/11 17:08	7440-38-2	
Barium	**270**	ug/L	10.0	0.37	1	08/15/11 11:59	08/15/11 17:08	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/15/11 11:59	08/15/11 17:08	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/15/11 11:59	08/15/11 17:08	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/15/11 11:59	08/15/11 17:08	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/15/11 11:59	08/15/11 17:08	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/15/11 11:59	08/15/11 17:08	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/15/11 11:47	08/16/11 08:14	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	111-44-4	
2-Chlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 21:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.8	1.3	1	08/16/11 14:17	08/18/11 21:44	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	108-60-1	
3&4-Methylphenol	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 21:44		
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	621-64-7	
Hexachloroethane	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 21:44	67-72-1	
Nitrobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	98-95-3	
Isophorone	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	78-59-1	
2-Nitrophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.8	4.5	1	08/16/11 14:17	08/18/11 21:44	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	120-82-1	
Naphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	91-20-3	
4-Chloroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6W **Lab ID: 10166284012** Collected: 08/10/11 14:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	91-58-7	
2-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	88-74-4	
Dimethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	131-11-3	
Acenaphthylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	606-20-2	
3-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	99-09-2	
Acenaphthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	51-28-5	
4-Nitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	100-02-7	
Dibenzofuran	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	121-14-2	
Diethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	7005-72-3	
Fluorene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	86-73-7	
4-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 21:44	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	101-55-3	
Hexachlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	118-74-1	
Pentachlorophenol	ND	ug/L	24.7	12.4	1	08/16/11 14:17	08/18/11 21:44	87-86-5	
Phenanthrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	85-01-8	
Anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	84-74-2	
Fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	206-44-0	
Pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 21:44	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	56-55-3	
Chrysene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 21:44	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.8	3.3	1	08/16/11 14:17	08/18/11 21:44	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	122-66-7	
Carbazole	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 21:44	90-12-0	
Nitrobenzene-d5 (S)	83	%	30-150		1	08/16/11 14:17	08/18/11 21:44	4165-60-0	
2-Fluorobiphenyl (S)	84	%	30-150		1	08/16/11 14:17	08/18/11 21:44	321-60-8	
Terphenyl-d14 (S)	92	%	30-150		1	08/16/11 14:17	08/18/11 21:44	1718-51-0	
Phenol-d6 (S)	79	%	30-150		1	08/16/11 14:17	08/18/11 21:44	13127-88-3	
2-Fluorophenol (S)	75	%	30-148		1	08/16/11 14:17	08/18/11 21:44	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6W **Lab ID: 10166284012** Collected: 08/10/11 14:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	94	%	30-150		1	08/16/11 14:17	08/18/11 21:44	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 01:08	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 01:08	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 01:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 01:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:08	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 01:08	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 01:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 01:08	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 01:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 01:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 01:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 01:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 01:08	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 01:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 01:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 01:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 01:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 01:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 01:08	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 01:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 01:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 01:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 01:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 01:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 01:08	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 01:08	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 01:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 01:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 01:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 01:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 01:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 01:08	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 01:08	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 01:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 01:08	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-20-6W **Lab ID: 10166284012** Collected: 08/10/11 14:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 01:08	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 01:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 01:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 01:08	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/16/11 01:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 01:08	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 01:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 01:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 01:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 01:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 01:08	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 01:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 01:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 01:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 01:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 01:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 01:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 01:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 01:08	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 01:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:08	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 01:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 01:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 01:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 01:08	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/16/11 01:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/16/11 01:08	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/16/11 01:08	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		1		08/16/11 01:08	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8 **Lab ID: 10166284013** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.6**	mg/kg	0.38	0.19	1	08/15/11 15:47	08/16/11 15:24	7440-38-2	
Barium	**22.3**	mg/kg	0.38	0.015	1	08/15/11 15:47	08/16/11 15:24	7440-39-3	M1
Cadmium	**0.057**	mg/kg	0.038	0.0077	1	08/15/11 15:47	08/16/11 15:24	7440-43-9	
Chromium	**9.5**	mg/kg	0.38	0.054	1	08/15/11 15:47	08/16/11 15:24	7440-47-3	
Lead	**5.1**	mg/kg	0.23	0.038	1	08/15/11 15:47	08/16/11 15:24	7439-92-1	
Selenium	ND	mg/kg	0.57	0.10	1	08/15/11 15:47	08/16/11 15:24	7782-49-2	
Silver	ND	mg/kg	0.38	0.023	1	08/15/11 15:47	08/16/11 15:24	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.020	0.0016	1	08/16/11 13:09	08/17/11 11:41	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**6.8**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	83-32-9	
Acenaphthylene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	208-96-8	
Anthracene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	85-68-7	
Carbazole	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	59-50-7	
4-Chloroaniline	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.35	0.062	1	08/16/11 09:44	08/17/11 17:12	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.35	0.064	1	08/16/11 09:44	08/17/11 17:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.35	0.061	1	08/16/11 09:44	08/17/11 17:12	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	91-58-7	
2-Chlorophenol	ND	mg/kg	0.35	0.063	1	08/16/11 09:44	08/17/11 17:12	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	7005-72-3	
Chrysene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	53-70-3	
Dibenzofuran	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.35	0.066	1	08/16/11 09:44	08/17/11 17:12	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.35	0.061	1	08/16/11 09:44	08/17/11 17:12	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.35	0.063	1	08/16/11 09:44	08/17/11 17:12	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.72	0.36	1	08/16/11 09:44	08/17/11 17:12	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	120-83-2	
Diethylphthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	105-67-9	
Dimethylphthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8 **Lab ID: 10166284013** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	117-81-7	
Fluoranthene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	206-44-0	
Fluorene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.35	0.069	1	08/16/11 09:44	08/17/11 17:12	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	118-74-1	
Hexachloroethane	ND	mg/kg	0.35	0.065	1	08/16/11 09:44	08/17/11 17:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	193-39-5	
Isophorone	ND	mg/kg	0.35	0.061	1	08/16/11 09:44	08/17/11 17:12	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.35	0.054	1	08/16/11 09:44	08/17/11 17:12	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.71	0.35	1	08/16/11 09:44	08/17/11 17:12		
Naphthalene	ND	mg/kg	0.35	0.062	1	08/16/11 09:44	08/17/11 17:12	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	100-01-6	
Nitrobenzene	ND	mg/kg	0.35	0.069	1	08/16/11 09:44	08/17/11 17:12	98-95-3	
2-Nitrophenol	ND	mg/kg	0.35	0.065	1	08/16/11 09:44	08/17/11 17:12	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.35	0.059	1	08/16/11 09:44	08/17/11 17:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.35	0.058	1	08/16/11 09:44	08/17/11 17:12	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	86-30-6	
Pentachlorophenol	ND	mg/kg	0.72	0.36	1	08/16/11 09:44	08/17/11 17:12	87-86-5	
Phenanthrene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	85-01-8	
Phenol	ND	mg/kg	0.35	0.062	1	08/16/11 09:44	08/17/11 17:12	108-95-2	
Pyrene	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.35	0.063	1	08/16/11 09:44	08/17/11 17:12	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.91	1	08/16/11 09:44	08/17/11 17:12	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.35	0.18	1	08/16/11 09:44	08/17/11 17:12	88-06-2	
Nitrobenzene-d5 (S)	70	%	50-120		1	08/16/11 09:44	08/17/11 17:12	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-150		1	08/16/11 09:44	08/17/11 17:12	321-60-8	
Terphenyl-d14 (S)	76	%	30-150		1	08/16/11 09:44	08/17/11 17:12	1718-51-0	
Phenol-d6 (S)	61	%	30-149		1	08/16/11 09:44	08/17/11 17:12	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		1	08/16/11 09:44	08/17/11 17:12	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/16/11 09:44	08/17/11 17:12	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.54	0.27	1	08/15/11 10:59	08/16/11 06:09	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8 **Lab ID: 10166284013** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.21	0.070	1	08/15/11 10:59	08/16/11 06:09	107-05-1	
Benzene	ND	mg/kg	0.021	0.011	1	08/15/11 10:59	08/16/11 06:09	71-43-2	
Bromobenzene	ND	mg/kg	0.054	0.016	1	08/15/11 10:59	08/16/11 06:09	108-86-1	
Bromochloromethane	ND	mg/kg	0.054	0.025	1	08/15/11 10:59	08/16/11 06:09	74-97-5	
Bromodichloromethane	ND	mg/kg	0.054	0.021	1	08/15/11 10:59	08/16/11 06:09	75-27-4	
Bromoform	ND	mg/kg	0.21	0.053	1	08/15/11 10:59	08/16/11 06:09	75-25-2	
Bromomethane	ND	mg/kg	0.54	0.081	1	08/15/11 10:59	08/16/11 06:09	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.54	0.27	1	08/15/11 10:59	08/16/11 06:09	78-93-3	
n-Butylbenzene	ND	mg/kg	0.054	0.0051	1	08/15/11 10:59	08/16/11 06:09	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.054	0.0057	1	08/15/11 10:59	08/16/11 06:09	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.054	0.0068	1	08/15/11 10:59	08/16/11 06:09	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.054	0.013	1	08/15/11 10:59	08/16/11 06:09	56-23-5	
Chlorobenzene	ND	mg/kg	0.054	0.012	1	08/15/11 10:59	08/16/11 06:09	108-90-7	
Chloroethane	ND	mg/kg	0.54	0.13	1	08/15/11 10:59	08/16/11 06:09	75-00-3	
Chloroform	ND	mg/kg	0.054	0.012	1	08/15/11 10:59	08/16/11 06:09	67-66-3	
Chloromethane	ND	mg/kg	0.21	0.036	1	08/15/11 10:59	08/16/11 06:09	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.054	0.0073	1	08/15/11 10:59	08/16/11 06:09	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.054	0.0073	1	08/15/11 10:59	08/16/11 06:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.21	0.040	1	08/15/11 10:59	08/16/11 06:09	96-12-8	
Dibromochloromethane	ND	mg/kg	0.054	0.011	1	08/15/11 10:59	08/16/11 06:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.054	0.017	1	08/15/11 10:59	08/16/11 06:09	106-93-4	
Dibromomethane	ND	mg/kg	0.054	0.021	1	08/15/11 10:59	08/16/11 06:09	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.054	0.017	1	08/15/11 10:59	08/16/11 06:09	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.054	0.0069	1	08/15/11 10:59	08/16/11 06:09	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.054	0.0096	1	08/15/11 10:59	08/16/11 06:09	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.054	0.016	1	08/15/11 10:59	08/16/11 06:09	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.054	0.018	1	08/15/11 10:59	08/16/11 06:09	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.054	0.014	1	08/15/11 10:59	08/16/11 06:09	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.054	0.027	1	08/15/11 10:59	08/16/11 06:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.054	0.018	1	08/15/11 10:59	08/16/11 06:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.054	0.015	1	08/15/11 10:59	08/16/11 06:09	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.54	0.028	1	08/15/11 10:59	08/16/11 06:09	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.054	0.023	1	08/15/11 10:59	08/16/11 06:09	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.054	0.0089	1	08/15/11 10:59	08/16/11 06:09	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.21	0.022	1	08/15/11 10:59	08/16/11 06:09	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.054	0.012	1	08/15/11 10:59	08/16/11 06:09	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.054	0.0093	1	08/15/11 10:59	08/16/11 06:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.054	0.010	1	08/15/11 10:59	08/16/11 06:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.21	0.036	1	08/15/11 10:59	08/16/11 06:09	60-29-7	
Ethylbenzene	ND	mg/kg	0.054	0.0030	1	08/15/11 10:59	08/16/11 06:09	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.27	0.0061	1	08/15/11 10:59	08/16/11 06:09	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.054	0.0068	1	08/15/11 10:59	08/16/11 06:09	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.054	0.0093	1	08/15/11 10:59	08/16/11 06:09	99-87-6	
Methylene Chloride	ND	mg/kg	0.21	0.11	1	08/15/11 10:59	08/16/11 06:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.54	0.27	1	08/15/11 10:59	08/16/11 06:09	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8 **Lab ID: 10166284013** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.054	0.018	1	08/15/11 10:59	08/16/11 06:09	1634-04-4	
Naphthalene	ND	mg/kg	0.21	0.0092	1	08/15/11 10:59	08/16/11 06:09	91-20-3	
n-Propylbenzene	ND	mg/kg	0.054	0.0043	1	08/15/11 10:59	08/16/11 06:09	103-65-1	
Styrene	ND	mg/kg	0.054	0.0068	1	08/15/11 10:59	08/16/11 06:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/15/11 10:59	08/16/11 06:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/15/11 10:59	08/16/11 06:09	79-34-5	
Tetrachloroethene	ND	mg/kg	0.054	0.014	1	08/15/11 10:59	08/16/11 06:09	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.1	0.16	1	08/15/11 10:59	08/16/11 06:09	109-99-9	
Toluene	ND	mg/kg	0.054	0.0081	1	08/15/11 10:59	08/16/11 06:09	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.054	0.015	1	08/15/11 10:59	08/16/11 06:09	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.054	0.012	1	08/15/11 10:59	08/16/11 06:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.054	0.0070	1	08/15/11 10:59	08/16/11 06:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.054	0.023	1	08/15/11 10:59	08/16/11 06:09	79-00-5	
Trichloroethene	ND	mg/kg	0.054	0.018	1	08/15/11 10:59	08/16/11 06:09	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.21	0.027	1	08/15/11 10:59	08/16/11 06:09	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.21	0.017	1	08/15/11 10:59	08/16/11 06:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.054	0.021	1	08/15/11 10:59	08/16/11 06:09	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.054	0.0079	1	08/15/11 10:59	08/16/11 06:09	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.054	0.0071	1	08/15/11 10:59	08/16/11 06:09	108-67-8	
Vinyl chloride	ND	mg/kg	0.021	0.010	1	08/15/11 10:59	08/16/11 06:09	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.029	1	08/15/11 10:59	08/16/11 06:09	1330-20-7	
Dibromofluoromethane (S)	112	%	30-150		1	08/15/11 10:59	08/16/11 06:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	30-150		1	08/15/11 10:59	08/16/11 06:09	17060-07-0	
Toluene-d8 (S)	103	%	30-150		1	08/15/11 10:59	08/16/11 06:09	2037-26-5	
4-Bromofluorobenzene (S)	108	%	30-150		1	08/15/11 10:59	08/16/11 06:09	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-12 **Lab ID: 10166284014** Collected: 08/10/11 16:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.6**	mg/kg	0.42	0.21	1	08/15/11 15:47	08/16/11 15:35	7440-38-2	
Barium	**18.2**	mg/kg	0.42	0.017	1	08/15/11 15:47	08/16/11 15:35	7440-39-3	
Cadmium	**0.064**	mg/kg	0.042	0.0084	1	08/15/11 15:47	08/16/11 15:35	7440-43-9	
Chromium	**4.4**	mg/kg	0.42	0.059	1	08/15/11 15:47	08/16/11 15:35	7440-47-3	
Lead	**2.2**	mg/kg	0.25	0.042	1	08/15/11 15:47	08/16/11 15:35	7439-92-1	
Selenium	ND	mg/kg	0.63	0.11	1	08/15/11 15:47	08/16/11 15:35	7782-49-2	
Silver	ND	mg/kg	0.42	0.025	1	08/15/11 15:47	08/16/11 15:35	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0017	1	08/16/11 13:09	08/17/11 11:43	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**14.6**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	83-32-9	
Acenaphthylene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	208-96-8	
Anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	85-68-7	
Carbazole	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	59-50-7	
4-Chloroaniline	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/17/11 17:38	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.39	0.070	1	08/16/11 09:44	08/17/11 17:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/17/11 17:38	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	91-58-7	
2-Chlorophenol	ND	mg/kg	0.39	0.069	1	08/16/11 09:44	08/17/11 17:38	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	7005-72-3	
Chrysene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	53-70-3	
Dibenzofuran	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.39	0.072	1	08/16/11 09:44	08/17/11 17:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.39	0.066	1	08/16/11 09:44	08/17/11 17:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/17/11 17:38	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.78	0.39	1	08/16/11 09:44	08/17/11 17:38	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	120-83-2	
Diethylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	105-67-9	
Dimethylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-12 **Lab ID: 10166284014** Collected: 08/10/11 16:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	117-81-7	
Fluoranthene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	206-44-0	
Fluorene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.39	0.075	1	08/16/11 09:44	08/17/11 17:38	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	118-74-1	
Hexachloroethane	ND	mg/kg	0.39	0.070	1	08/16/11 09:44	08/17/11 17:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	193-39-5	
Isophorone	ND	mg/kg	0.39	0.067	1	08/16/11 09:44	08/17/11 17:38	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.39	0.059	1	08/16/11 09:44	08/17/11 17:38	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.77	0.39	1	08/16/11 09:44	08/17/11 17:38		
Naphthalene	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/17/11 17:38	91-20-3	
2-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	88-74-4	
3-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	99-09-2	
4-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	100-01-6	
Nitrobenzene	ND	mg/kg	0.39	0.075	1	08/16/11 09:44	08/17/11 17:38	98-95-3	
2-Nitrophenol	ND	mg/kg	0.39	0.070	1	08/16/11 09:44	08/17/11 17:38	88-75-5	
4-Nitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.39	0.065	1	08/16/11 09:44	08/17/11 17:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.39	0.064	1	08/16/11 09:44	08/17/11 17:38	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	86-30-6	
Pentachlorophenol	ND	mg/kg	0.78	0.39	1	08/16/11 09:44	08/17/11 17:38	87-86-5	
Phenanthrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	85-01-8	
Phenol	ND	mg/kg	0.39	0.068	1	08/16/11 09:44	08/17/11 17:38	108-95-2	
Pyrene	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.39	0.069	1	08/16/11 09:44	08/17/11 17:38	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/17/11 17:38	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.39	0.19	1	08/16/11 09:44	08/17/11 17:38	88-06-2	
Nitrobenzene-d5 (S)	63	%	50-120		1	08/16/11 09:44	08/17/11 17:38	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-150		1	08/16/11 09:44	08/17/11 17:38	321-60-8	
Terphenyl-d14 (S)	74	%	30-150		1	08/16/11 09:44	08/17/11 17:38	1718-51-0	
Phenol-d6 (S)	54	%	30-149		1	08/16/11 09:44	08/17/11 17:38	13127-88-3	
2-Fluorophenol (S)	55	%	30-147		1	08/16/11 09:44	08/17/11 17:38	367-12-4	
2,4,6-Tribromophenol (S)	79	%	30-150		1	08/16/11 09:44	08/17/11 17:38	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.59	0.30	1	08/15/11 10:59	08/16/11 06:30	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-12 **Lab ID: 10166284014** Collected: 08/10/11 16:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.24	0.077	1	08/15/11 10:59	08/16/11 06:30	107-05-1	
Benzene	ND	mg/kg	0.024	0.012	1	08/15/11 10:59	08/16/11 06:30	71-43-2	
Bromobenzene	ND	mg/kg	0.059	0.018	1	08/15/11 10:59	08/16/11 06:30	108-86-1	
Bromochloromethane	ND	mg/kg	0.059	0.027	1	08/15/11 10:59	08/16/11 06:30	74-97-5	
Bromodichloromethane	ND	mg/kg	0.059	0.023	1	08/15/11 10:59	08/16/11 06:30	75-27-4	
Bromoform	ND	mg/kg	0.24	0.059	1	08/15/11 10:59	08/16/11 06:30	75-25-2	
Bromomethane	ND	mg/kg	0.59	0.089	1	08/15/11 10:59	08/16/11 06:30	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.59	0.30	1	08/15/11 10:59	08/16/11 06:30	78-93-3	
n-Butylbenzene	ND	mg/kg	0.059	0.0056	1	08/15/11 10:59	08/16/11 06:30	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.059	0.0063	1	08/15/11 10:59	08/16/11 06:30	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.059	0.0075	1	08/15/11 10:59	08/16/11 06:30	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.059	0.014	1	08/15/11 10:59	08/16/11 06:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.059	0.013	1	08/15/11 10:59	08/16/11 06:30	108-90-7	
Chloroethane	ND	mg/kg	0.59	0.14	1	08/15/11 10:59	08/16/11 06:30	75-00-3	
Chloroform	ND	mg/kg	0.059	0.013	1	08/15/11 10:59	08/16/11 06:30	67-66-3	
Chloromethane	ND	mg/kg	0.24	0.039	1	08/15/11 10:59	08/16/11 06:30	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.059	0.0080	1	08/15/11 10:59	08/16/11 06:30	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.059	0.0080	1	08/15/11 10:59	08/16/11 06:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.24	0.044	1	08/15/11 10:59	08/16/11 06:30	96-12-8	
Dibromochloromethane	ND	mg/kg	0.059	0.013	1	08/15/11 10:59	08/16/11 06:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.059	0.018	1	08/15/11 10:59	08/16/11 06:30	106-93-4	
Dibromomethane	ND	mg/kg	0.059	0.023	1	08/15/11 10:59	08/16/11 06:30	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.059	0.018	1	08/15/11 10:59	08/16/11 06:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.059	0.0076	1	08/15/11 10:59	08/16/11 06:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.059	0.011	1	08/15/11 10:59	08/16/11 06:30	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.059	0.018	1	08/15/11 10:59	08/16/11 06:30	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.059	0.020	1	08/15/11 10:59	08/16/11 06:30	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.059	0.015	1	08/15/11 10:59	08/16/11 06:30	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.059	0.030	1	08/15/11 10:59	08/16/11 06:30	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.059	0.020	1	08/15/11 10:59	08/16/11 06:30	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.059	0.017	1	08/15/11 10:59	08/16/11 06:30	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.59	0.031	1	08/15/11 10:59	08/16/11 06:30	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.059	0.026	1	08/15/11 10:59	08/16/11 06:30	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.059	0.0098	1	08/15/11 10:59	08/16/11 06:30	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.24	0.024	1	08/15/11 10:59	08/16/11 06:30	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.059	0.013	1	08/15/11 10:59	08/16/11 06:30	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.059	0.010	1	08/15/11 10:59	08/16/11 06:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.059	0.011	1	08/15/11 10:59	08/16/11 06:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.24	0.040	1	08/15/11 10:59	08/16/11 06:30	60-29-7	
Ethylbenzene	ND	mg/kg	0.059	0.0033	1	08/15/11 10:59	08/16/11 06:30	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.30	0.0067	1	08/15/11 10:59	08/16/11 06:30	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.059	0.0075	1	08/15/11 10:59	08/16/11 06:30	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.059	0.010	1	08/15/11 10:59	08/16/11 06:30	99-87-6	
Methylene Chloride	ND	mg/kg	0.24	0.12	1	08/15/11 10:59	08/16/11 06:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.59	0.30	1	08/15/11 10:59	08/16/11 06:30	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-12 **Lab ID: 10166284014** Collected: 08/10/11 16:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.059	0.020	1	08/15/11 10:59	08/16/11 06:30	1634-04-4	
Naphthalene	ND	mg/kg	0.24	0.010	1	08/15/11 10:59	08/16/11 06:30	91-20-3	
n-Propylbenzene	ND	mg/kg	0.059	0.0047	1	08/15/11 10:59	08/16/11 06:30	103-65-1	
Styrene	ND	mg/kg	0.059	0.0075	1	08/15/11 10:59	08/16/11 06:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.059	0.014	1	08/15/11 10:59	08/16/11 06:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.059	0.014	1	08/15/11 10:59	08/16/11 06:30	79-34-5	
Tetrachloroethene	ND	mg/kg	0.059	0.016	1	08/15/11 10:59	08/16/11 06:30	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.4	0.18	1	08/15/11 10:59	08/16/11 06:30	109-99-9	
Toluene	ND	mg/kg	0.059	0.0089	1	08/15/11 10:59	08/16/11 06:30	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.059	0.017	1	08/15/11 10:59	08/16/11 06:30	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.059	0.013	1	08/15/11 10:59	08/16/11 06:30	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.059	0.0077	1	08/15/11 10:59	08/16/11 06:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.059	0.025	1	08/15/11 10:59	08/16/11 06:30	79-00-5	
Trichloroethene	ND	mg/kg	0.059	0.019	1	08/15/11 10:59	08/16/11 06:30	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.24	0.029	1	08/15/11 10:59	08/16/11 06:30	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.24	0.019	1	08/15/11 10:59	08/16/11 06:30	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.059	0.023	1	08/15/11 10:59	08/16/11 06:30	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.059	0.0087	1	08/15/11 10:59	08/16/11 06:30	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.059	0.0078	1	08/15/11 10:59	08/16/11 06:30	108-67-8	
Vinyl chloride	ND	mg/kg	0.024	0.011	1	08/15/11 10:59	08/16/11 06:30	75-01-4	
Xylene (Total)	ND	mg/kg	0.18	0.032	1	08/15/11 10:59	08/16/11 06:30	1330-20-7	
Dibromofluoromethane (S)	109	%	30-150		1	08/15/11 10:59	08/16/11 06:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	30-150		1	08/15/11 10:59	08/16/11 06:30	17060-07-0	
Toluene-d8 (S)	102	%	30-150		1	08/15/11 10:59	08/16/11 06:30	2037-26-5	
4-Bromofluorobenzene (S)	107	%	30-150		1	08/15/11 10:59	08/16/11 06:30	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8W **Lab ID: 10166284015** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**0.14**	mg/L	0.11	0.056	1	08/12/11 07:17	08/17/11 16:10		
n-Triacontane (S)	97	%	50-150		1	08/12/11 07:17	08/17/11 16:10		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 02:44		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1		08/16/11 02:44	98-08-8	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	111-44-4	
2-Chlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 22:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.8	1.3	1	08/16/11 14:17	08/18/11 22:13	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	108-60-1	
3&4-Methylphenol	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 22:13		
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	621-64-7	
Hexachloroethane	ND	ug/L	10.8	1.6	1	08/16/11 14:17	08/18/11 22:13	67-72-1	
Nitrobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	98-95-3	
Isophorone	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	78-59-1	
2-Nitrophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.8	4.5	1	08/16/11 14:17	08/18/11 22:13	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	120-82-1	
Naphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	91-20-3	
4-Chloroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	91-58-7	
2-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	88-74-4	
Dimethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	131-11-3	
Acenaphthylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	606-20-2	
3-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	99-09-2	
Acenaphthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	51-28-5	
4-Nitrophenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	100-02-7	
Dibenzofuran	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	121-14-2	
Diethylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	7005-72-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8W **Lab ID: 10166284015** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Fluorene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	86-73-7	
4-Nitroaniline	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.8	26.9	1	08/16/11 14:17	08/18/11 22:13	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	101-55-3	
Hexachlorobenzene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	118-74-1	
Pentachlorophenol	ND	ug/L	24.7	12.4	1	08/16/11 14:17	08/18/11 22:13	87-86-5	
Phenanthrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	85-01-8	
Anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	84-74-2	
Fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	206-44-0	
Pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 22:13	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	56-55-3	
Chrysene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.5	10.8	1	08/16/11 14:17	08/18/11 22:13	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.8	3.3	1	08/16/11 14:17	08/18/11 22:13	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	122-66-7	
Carbazole	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/16/11 14:17	08/18/11 22:13	90-12-0	
Nitrobenzene-d5 (S)	75	%	30-150		1	08/16/11 14:17	08/18/11 22:13	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-150		1	08/16/11 14:17	08/18/11 22:13	321-60-8	
Terphenyl-d14 (S)	86	%	30-150		1	08/16/11 14:17	08/18/11 22:13	1718-51-0	
Phenol-d6 (S)	73	%	30-150		1	08/16/11 14:17	08/18/11 22:13	13127-88-3	
2-Fluorophenol (S)	68	%	30-148		1	08/16/11 14:17	08/18/11 22:13	367-12-4	
2,4,6-Tribromophenol (S)	92	%	30-150		1	08/16/11 14:17	08/18/11 22:13	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 01:24	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 01:24	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 01:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 01:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:24	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 01:24	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 01:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 01:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:24	104-51-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8W **Lab ID: 10166284015** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 01:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 01:24	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 01:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 01:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 01:24	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 01:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 01:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 01:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 01:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 01:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 01:24	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 01:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 01:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 01:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 01:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 01:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 01:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 01:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 01:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 01:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 01:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 01:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 01:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 01:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 01:24	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 01:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 01:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 01:24	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 01:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 01:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 01:24	1634-04-4	
Naphthalene	**4.2**	ug/L	4.0	0.57	1		08/16/11 01:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 01:24	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 01:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 01:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 01:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 01:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 01:24	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 01:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 01:24	87-61-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-21-8W **Lab ID: 10166284015** Collected: 08/10/11 15:45 Received: 08/11/11 16:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 01:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 01:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 01:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 01:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 01:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 01:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 01:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:24	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 01:24	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 01:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 01:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 01:24	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/16/11 01:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/16/11 01:24	17060-07-0	
Toluene-d8 (S)	98	%	75-125		1		08/16/11 01:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/16/11 01:24	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-4 **Lab ID: 10166284016** Collected: 08/10/11 16:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**23.7**	mg/kg	9.8	0.64	1	08/15/11 07:32	08/16/11 12:06		T6
n-Triacontane (S)	79	%	50-150		1	08/15/11 07:32	08/16/11 12:06		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**12.7**	mg/kg	9.8	4.9	1	09/19/11 07:00	09/19/11 13:23		L2
n-Triacontane (S)	67	%	38-125		1	09/19/11 07:00	09/19/11 13:23		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	6.3	2.7	1	08/15/11 11:09	08/18/11 08:02		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/15/11 11:09	08/18/11 08:02	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**10.6**	mg/kg	0.42	0.21	1	08/15/11 13:58	08/16/11 21:09	7440-38-2	
Barium	**76.6**	mg/kg	0.42	0.017	1	08/15/11 13:58	08/16/11 21:09	7440-39-3	
Cadmium	**0.76**	mg/kg	0.042	0.0085	1	08/15/11 13:58	08/16/11 21:09	7440-43-9	
Chromium	**13.4**	mg/kg	0.42	0.059	1	08/15/11 13:58	08/16/11 21:09	7440-47-3	
Lead	**7.1**	mg/kg	0.25	0.042	1	08/15/11 13:58	08/16/11 21:09	7439-92-1	
Selenium	ND	mg/kg	0.63	0.11	1	08/15/11 13:58	08/16/11 21:09	7782-49-2	
Silver	ND	mg/kg	0.42	0.025	1	08/15/11 13:58	08/16/11 21:09	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.021**	mg/kg	0.020	0.0016	1	08/16/11 13:09	08/17/11 11:49	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**17.3**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	83-32-9	
Acenaphthylene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	208-96-8	
Anthracene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	85-68-7	
Carbazole	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	59-50-7	
4-Chloroaniline	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.40	0.069	1	08/16/11 09:44	08/19/11 13:09	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.40	0.072	1	08/16/11 09:44	08/19/11 13:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.40	0.069	1	08/16/11 09:44	08/19/11 13:09	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-4 **Lab ID: 10166284016** Collected: 08/10/11 16:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	0.40	0.071	1	08/16/11 09:44	08/19/11 13:09	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	7005-72-3	
Chrysene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	53-70-3	
Dibenzofuran	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.40	0.074	1	08/16/11 09:44	08/19/11 13:09	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.40	0.068	1	08/16/11 09:44	08/19/11 13:09	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.40	0.070	1	08/16/11 09:44	08/19/11 13:09	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.81	0.40	1	08/16/11 09:44	08/19/11 13:09	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	120-83-2	
Diethylphthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	105-67-9	
Dimethylphthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	117-81-7	
Fluoranthene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	206-44-0	
Fluorene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.40	0.077	1	08/16/11 09:44	08/19/11 13:09	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	118-74-1	
Hexachloroethane	ND	mg/kg	0.40	0.073	1	08/16/11 09:44	08/19/11 13:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	193-39-5	
Isophorone	ND	mg/kg	0.40	0.069	1	08/16/11 09:44	08/19/11 13:09	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.40	0.060	1	08/16/11 09:44	08/19/11 13:09	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.79	0.40	1	08/16/11 09:44	08/19/11 13:09		
Naphthalene	ND	mg/kg	0.40	0.070	1	08/16/11 09:44	08/19/11 13:09	91-20-3	
2-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	88-74-4	
3-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	99-09-2	
4-Nitroaniline	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	100-01-6	
Nitrobenzene	ND	mg/kg	0.40	0.077	1	08/16/11 09:44	08/19/11 13:09	98-95-3	
2-Nitrophenol	ND	mg/kg	0.40	0.073	1	08/16/11 09:44	08/19/11 13:09	88-75-5	
4-Nitrophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.40	0.067	1	08/16/11 09:44	08/19/11 13:09	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.40	0.066	1	08/16/11 09:44	08/19/11 13:09	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	86-30-6	
Pentachlorophenol	ND	mg/kg	0.81	0.40	1	08/16/11 09:44	08/19/11 13:09	87-86-5	
Phenanthrene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	85-01-8	
Phenol	ND	mg/kg	0.40	0.070	1	08/16/11 09:44	08/19/11 13:09	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-4 **Lab ID: 10166284016** Collected: 08/10/11 16:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.40	0.071	1	08/16/11 09:44	08/19/11 13:09	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.0	1.0	1	08/16/11 09:44	08/19/11 13:09	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.40	0.20	1	08/16/11 09:44	08/19/11 13:09	88-06-2	
Nitrobenzene-d5 (S)	76	%	50-120		1	08/16/11 09:44	08/19/11 13:09	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-150		1	08/16/11 09:44	08/19/11 13:09	321-60-8	
Terphenyl-d14 (S)	83	%	30-150		1	08/16/11 09:44	08/19/11 13:09	1718-51-0	
Phenol-d6 (S)	73	%	30-149		1	08/16/11 09:44	08/19/11 13:09	13127-88-3	
2-Fluorophenol (S)	75	%	30-147		1	08/16/11 09:44	08/19/11 13:09	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/16/11 09:44	08/19/11 13:09	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.61	0.30	1	08/15/11 10:59	08/16/11 06:50	67-64-1	
Allyl chloride	ND	mg/kg	0.24	0.080	1	08/15/11 10:59	08/16/11 06:50	107-05-1	
Benzene	ND	mg/kg	0.024	0.012	1	08/15/11 10:59	08/16/11 06:50	71-43-2	
Bromobenzene	ND	mg/kg	0.061	0.019	1	08/15/11 10:59	08/16/11 06:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.061	0.028	1	08/15/11 10:59	08/16/11 06:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.061	0.024	1	08/15/11 10:59	08/16/11 06:50	75-27-4	
Bromoform	ND	mg/kg	0.24	0.061	1	08/15/11 10:59	08/16/11 06:50	75-25-2	
Bromomethane	ND	mg/kg	0.61	0.092	1	08/15/11 10:59	08/16/11 06:50	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.61	0.30	1	08/15/11 10:59	08/16/11 06:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.061	0.0058	1	08/15/11 10:59	08/16/11 06:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.061	0.0065	1	08/15/11 10:59	08/16/11 06:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.061	0.0077	1	08/15/11 10:59	08/16/11 06:50	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.061	0.014	1	08/15/11 10:59	08/16/11 06:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.061	0.014	1	08/15/11 10:59	08/16/11 06:50	108-90-7	
Chloroethane	ND	mg/kg	0.61	0.15	1	08/15/11 10:59	08/16/11 06:50	75-00-3	
Chloroform	ND	mg/kg	0.061	0.014	1	08/15/11 10:59	08/16/11 06:50	67-66-3	
Chloromethane	ND	mg/kg	0.24	0.041	1	08/15/11 10:59	08/16/11 06:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.061	0.0083	1	08/15/11 10:59	08/16/11 06:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.061	0.0082	1	08/15/11 10:59	08/16/11 06:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.24	0.046	1	08/15/11 10:59	08/16/11 06:50	96-12-8	
Dibromochloromethane	ND	mg/kg	0.061	0.013	1	08/15/11 10:59	08/16/11 06:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.061	0.019	1	08/15/11 10:59	08/16/11 06:50	106-93-4	
Dibromomethane	ND	mg/kg	0.061	0.024	1	08/15/11 10:59	08/16/11 06:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.061	0.019	1	08/15/11 10:59	08/16/11 06:50	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.061	0.0078	1	08/15/11 10:59	08/16/11 06:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.061	0.011	1	08/15/11 10:59	08/16/11 06:50	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.061	0.019	1	08/15/11 10:59	08/16/11 06:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.061	0.021	1	08/15/11 10:59	08/16/11 06:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.061	0.016	1	08/15/11 10:59	08/16/11 06:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.061	0.031	1	08/15/11 10:59	08/16/11 06:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.061	0.020	1	08/15/11 10:59	08/16/11 06:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.061	0.017	1	08/15/11 10:59	08/16/11 06:50	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.61	0.032	1	08/15/11 10:59	08/16/11 06:50	75-43-4	L3

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-4 **Lab ID: 10166284016** Collected: 08/10/11 16:40 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.061	0.027	1	08/15/11 10:59	08/16/11 06:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.061	0.010	1	08/15/11 10:59	08/16/11 06:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.24	0.025	1	08/15/11 10:59	08/16/11 06:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.061	0.014	1	08/15/11 10:59	08/16/11 06:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.061	0.011	1	08/15/11 10:59	08/16/11 06:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.061	0.011	1	08/15/11 10:59	08/16/11 06:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.24	0.041	1	08/15/11 10:59	08/16/11 06:50	60-29-7	
Ethylbenzene	ND	mg/kg	0.061	0.0034	1	08/15/11 10:59	08/16/11 06:50	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.30	0.0069	1	08/15/11 10:59	08/16/11 06:50	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.061	0.0077	1	08/15/11 10:59	08/16/11 06:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.061	0.011	1	08/15/11 10:59	08/16/11 06:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.24	0.12	1	08/15/11 10:59	08/16/11 06:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.61	0.30	1	08/15/11 10:59	08/16/11 06:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.061	0.020	1	08/15/11 10:59	08/16/11 06:50	1634-04-4	
Naphthalene	ND	mg/kg	0.24	0.010	1	08/15/11 10:59	08/16/11 06:50	91-20-3	
n-Propylbenzene	ND	mg/kg	0.061	0.0048	1	08/15/11 10:59	08/16/11 06:50	103-65-1	
Styrene	ND	mg/kg	0.061	0.0077	1	08/15/11 10:59	08/16/11 06:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.061	0.015	1	08/15/11 10:59	08/16/11 06:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.061	0.014	1	08/15/11 10:59	08/16/11 06:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.061	0.016	1	08/15/11 10:59	08/16/11 06:50	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.4	0.18	1	08/15/11 10:59	08/16/11 06:50	109-99-9	
Toluene	ND	mg/kg	0.061	0.0092	1	08/15/11 10:59	08/16/11 06:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.061	0.017	1	08/15/11 10:59	08/16/11 06:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.061	0.013	1	08/15/11 10:59	08/16/11 06:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.061	0.0079	1	08/15/11 10:59	08/16/11 06:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.061	0.026	1	08/15/11 10:59	08/16/11 06:50	79-00-5	
Trichloroethene	ND	mg/kg	0.061	0.020	1	08/15/11 10:59	08/16/11 06:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.24	0.030	1	08/15/11 10:59	08/16/11 06:50	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.24	0.019	1	08/15/11 10:59	08/16/11 06:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.061	0.024	1	08/15/11 10:59	08/16/11 06:50	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.061	0.0090	1	08/15/11 10:59	08/16/11 06:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.061	0.0081	1	08/15/11 10:59	08/16/11 06:50	108-67-8	
Vinyl chloride	ND	mg/kg	0.024	0.011	1	08/15/11 10:59	08/16/11 06:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.18	0.033	1	08/15/11 10:59	08/16/11 06:50	1330-20-7	
Dibromofluoromethane (S)	99	%	30-150		1	08/15/11 10:59	08/16/11 06:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	30-150		1	08/15/11 10:59	08/16/11 06:50	17060-07-0	
Toluene-d8 (S)	88	%	30-150		1	08/15/11 10:59	08/16/11 06:50	2037-26-5	
4-Bromofluorobenzene (S)	90	%	30-150		1	08/15/11 10:59	08/16/11 06:50	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-16 **Lab ID: 10166284017** Collected: 08/10/11 16:55 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	8.1	0.53	1	08/15/11 07:32	08/16/11 11:31		
n-Triacontane (S)	86	%	50-150		1	08/15/11 07:32	08/16/11 11:31		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.6	2.4	1	08/15/11 11:09	08/18/11 08:23		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/15/11 11:09	08/18/11 08:23	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**8.3**	mg/kg	0.51	0.25	1	08/15/11 13:58	08/16/11 21:15	7440-38-2	
Barium	**67.3**	mg/kg	0.51	0.020	1	08/15/11 13:58	08/16/11 21:15	7440-39-3	
Cadmium	**0.16**	mg/kg	0.051	0.010	1	08/15/11 13:58	08/16/11 21:15	7440-43-9	
Chromium	**9.8**	mg/kg	0.51	0.071	1	08/15/11 13:58	08/16/11 21:15	7440-47-3	
Lead	**4.1**	mg/kg	0.30	0.051	1	08/15/11 13:58	08/16/11 21:15	7439-92-1	
Selenium	ND	mg/kg	0.76	0.13	1	08/15/11 13:58	08/16/11 21:15	7782-49-2	
Silver	ND	mg/kg	0.51	0.030	1	08/15/11 13:58	08/16/11 21:15	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.023	0.0018	1	08/16/11 13:09	08/17/11 11:51	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/17/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	**27.6**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	83-32-9	
Acenaphthylene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	208-96-8	
Anthracene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	120-12-7	
Benzo(a)anthracene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	56-55-3	
Benzo(a)pyrene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	101-55-3	
Butylbenzylphthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	85-68-7	
Carbazole	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	59-50-7	
4-Chloroaniline	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	18.8	3.3	50	08/16/11 09:44	08/19/11 14:08	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	18.8	3.4	50	08/16/11 09:44	08/19/11 14:08	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	18.8	3.2	50	08/16/11 09:44	08/19/11 14:08	108-60-1	
2-Chloronaphthalene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	91-58-7	
2-Chlorophenol	ND	mg/kg	18.8	3.3	50	08/16/11 09:44	08/19/11 14:08	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	7005-72-3	
Chrysene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-16 **Lab ID: 10166284017** Collected: 08/10/11 16:55 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	18.8	3.5	50	08/16/11 09:44	08/19/11 14:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	18.8	3.2	50	08/16/11 09:44	08/19/11 14:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	18.8	3.3	50	08/16/11 09:44	08/19/11 14:08	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	38.1	19.1	50	08/16/11 09:44	08/19/11 14:08	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	120-83-2	
Diethylphthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	105-67-9	
Dimethylphthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	131-11-3	
Di-n-butylphthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	606-20-2	
Di-n-octylphthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	117-81-7	
Fluoranthene	**41.9**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	206-44-0	
Fluorene	**20.1**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	18.8	3.7	50	08/16/11 09:44	08/19/11 14:08	87-68-3	
Hexachlorobenzene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	118-74-1	
Hexachloroethane	ND	mg/kg	18.8	3.4	50	08/16/11 09:44	08/19/11 14:08	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	193-39-5	
Isophorone	ND	mg/kg	18.8	3.2	50	08/16/11 09:44	08/19/11 14:08	78-59-1	
1-Methylnaphthalene	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	90-12-0	
2-Methylnaphthalene	**21.1**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	18.8	2.9	50	08/16/11 09:44	08/19/11 14:08	95-48-7	
3&4-Methylphenol	ND	mg/kg	37.6	18.8	50	08/16/11 09:44	08/19/11 14:08		
Naphthalene	**88.4**	mg/kg	18.8	3.3	50	08/16/11 09:44	08/19/11 14:08	91-20-3	
2-Nitroaniline	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	88-74-4	
3-Nitroaniline	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	99-09-2	
4-Nitroaniline	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	100-01-6	
Nitrobenzene	ND	mg/kg	18.8	3.7	50	08/16/11 09:44	08/19/11 14:08	98-95-3	
2-Nitrophenol	ND	mg/kg	18.8	3.4	50	08/16/11 09:44	08/19/11 14:08	88-75-5	
4-Nitrophenol	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	18.8	3.1	50	08/16/11 09:44	08/19/11 14:08	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	18.8	3.1	50	08/16/11 09:44	08/19/11 14:08	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	86-30-6	
Pentachlorophenol	ND	mg/kg	38.1	19.1	50	08/16/11 09:44	08/19/11 14:08	87-86-5	
Phenanthrene	**68.5**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	85-01-8	
Phenol	ND	mg/kg	18.8	3.3	50	08/16/11 09:44	08/19/11 14:08	108-95-2	
Pyrene	**31.8**	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	18.8	3.4	50	08/16/11 09:44	08/19/11 14:08	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	96.7	48.4	50	08/16/11 09:44	08/19/11 14:08	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	18.8	9.4	50	08/16/11 09:44	08/19/11 14:08	88-06-2	

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-16 **Lab ID: 10166284017** Collected: 08/10/11 16:55 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	0	%	50-120		50	08/16/11 09:44	08/19/11 14:08	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	30-150		50	08/16/11 09:44	08/19/11 14:08	321-60-8	S4
Terphenyl-d14 (S)	0	%	30-150		50	08/16/11 09:44	08/19/11 14:08	1718-51-0	S4
Phenol-d6 (S)	0	%	30-149		50	08/16/11 09:44	08/19/11 14:08	13127-88-3	S4
2-Fluorophenol (S)	0	%	30-147		50	08/16/11 09:44	08/19/11 14:08	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	30-150		50	08/16/11 09:44	08/19/11 14:08	118-79-6	S4
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 07:11	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.074	1	08/15/11 10:59	08/16/11 07:11	107-05-1	
Benzene	ND	mg/kg	0.023	0.011	1	08/15/11 10:59	08/16/11 07:11	71-43-2	
Bromobenzene	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 07:11	108-86-1	
Bromochloromethane	ND	mg/kg	0.056	0.026	1	08/15/11 10:59	08/16/11 07:11	74-97-5	
Bromodichloromethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 07:11	75-27-4	
Bromoform	ND	mg/kg	0.23	0.056	1	08/15/11 10:59	08/16/11 07:11	75-25-2	
Bromomethane	ND	mg/kg	0.56	0.085	1	08/15/11 10:59	08/16/11 07:11	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 07:11	78-93-3	
n-Butylbenzene	ND	mg/kg	0.056	0.0053	1	08/15/11 10:59	08/16/11 07:11	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.056	0.0060	1	08/15/11 10:59	08/16/11 07:11	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.056	0.0071	1	08/15/11 10:59	08/16/11 07:11	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 07:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 07:11	108-90-7	
Chloroethane	ND	mg/kg	0.56	0.14	1	08/15/11 10:59	08/16/11 07:11	75-00-3	
Chloroform	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 07:11	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.038	1	08/15/11 10:59	08/16/11 07:11	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.056	0.0077	1	08/15/11 10:59	08/16/11 07:11	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.056	0.0076	1	08/15/11 10:59	08/16/11 07:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.042	1	08/15/11 10:59	08/16/11 07:11	96-12-8	
Dibromochloromethane	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 07:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 07:11	106-93-4	
Dibromomethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 07:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 07:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.056	0.0072	1	08/15/11 10:59	08/16/11 07:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.056	0.010	1	08/15/11 10:59	08/16/11 07:11	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.056	0.017	1	08/15/11 10:59	08/16/11 07:11	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 07:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.056	0.014	1	08/15/11 10:59	08/16/11 07:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.056	0.029	1	08/15/11 10:59	08/16/11 07:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 07:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.056	0.016	1	08/15/11 10:59	08/16/11 07:11	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.56	0.030	1	08/15/11 10:59	08/16/11 07:11	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.056	0.025	1	08/15/11 10:59	08/16/11 07:11	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.056	0.0093	1	08/15/11 10:59	08/16/11 07:11	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/15/11 10:59	08/16/11 07:11	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 07:11	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: GP-22-16 **Lab ID: 10166284017** Collected: 08/10/11 16:55 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.056	0.0098	1	08/15/11 10:59	08/16/11 07:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.056	0.010	1	08/15/11 10:59	08/16/11 07:11	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.038	1	08/15/11 10:59	08/16/11 07:11	60-29-7	
Ethylbenzene	ND	mg/kg	0.056	0.0031	1	08/15/11 10:59	08/16/11 07:11	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0064	1	08/15/11 10:59	08/16/11 07:11	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.056	0.0071	1	08/15/11 10:59	08/16/11 07:11	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.056	0.0097	1	08/15/11 10:59	08/16/11 07:11	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.11	1	08/15/11 10:59	08/16/11 07:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.56	0.28	1	08/15/11 10:59	08/16/11 07:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 07:11	1634-04-4	
Naphthalene	**0.32**	mg/kg	0.23	0.0096	1	08/15/11 10:59	08/16/11 07:11	91-20-3	
n-Propylbenzene	ND	mg/kg	0.056	0.0045	1	08/15/11 10:59	08/16/11 07:11	103-65-1	
Styrene	ND	mg/kg	0.056	0.0071	1	08/15/11 10:59	08/16/11 07:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.056	0.014	1	08/15/11 10:59	08/16/11 07:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.056	0.013	1	08/15/11 10:59	08/16/11 07:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.056	0.015	1	08/15/11 10:59	08/16/11 07:11	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/15/11 10:59	08/16/11 07:11	109-99-9	
Toluene	ND	mg/kg	0.056	0.0085	1	08/15/11 10:59	08/16/11 07:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.056	0.016	1	08/15/11 10:59	08/16/11 07:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.056	0.012	1	08/15/11 10:59	08/16/11 07:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.056	0.0073	1	08/15/11 10:59	08/16/11 07:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.056	0.024	1	08/15/11 10:59	08/16/11 07:11	79-00-5	
Trichloroethene	ND	mg/kg	0.056	0.019	1	08/15/11 10:59	08/16/11 07:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.028	1	08/15/11 10:59	08/16/11 07:11	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/15/11 10:59	08/16/11 07:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.056	0.022	1	08/15/11 10:59	08/16/11 07:11	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.056	0.0083	1	08/15/11 10:59	08/16/11 07:11	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.056	0.0075	1	08/15/11 10:59	08/16/11 07:11	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/15/11 10:59	08/16/11 07:11	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.030	1	08/15/11 10:59	08/16/11 07:11	1330-20-7	
Dibromofluoromethane (S)	95	%	30-150		1	08/15/11 10:59	08/16/11 07:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	30-150		1	08/15/11 10:59	08/16/11 07:11	17060-07-0	
Toluene-d8 (S)	85	%	30-150		1	08/15/11 10:59	08/16/11 07:11	2037-26-5	
4-Bromofluorobenzene (S)	89	%	30-150		1	08/15/11 10:59	08/16/11 07:11	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: Trip Blank **Lab ID: 10166284018** Collected: 08/10/11 00:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.0	2.2	1	08/15/11 11:09	08/18/11 01:09		
a,a,a-Trifluorotoluene (S)	99	%	80-125		1	08/15/11 11:09	08/18/11 01:09	98-08-8	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.50	0.25	1	08/15/11 10:59	08/16/11 03:23	67-64-1	
Allyl chloride	ND	mg/kg	0.20	0.066	1	08/15/11 10:59	08/16/11 03:23	107-05-1	
Benzene	ND	mg/kg	0.020	0.0099	1	08/15/11 10:59	08/16/11 03:23	71-43-2	
Bromobenzene	ND	mg/kg	0.050	0.015	1	08/15/11 10:59	08/16/11 03:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.050	0.023	1	08/15/11 10:59	08/16/11 03:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.050	0.020	1	08/15/11 10:59	08/16/11 03:23	75-27-4	
Bromoform	ND	mg/kg	0.20	0.050	1	08/15/11 10:59	08/16/11 03:23	75-25-2	
Bromomethane	ND	mg/kg	0.50	0.076	1	08/15/11 10:59	08/16/11 03:23	74-83-9	L3
2-Butanone (MEK)	ND	mg/kg	0.50	0.25	1	08/15/11 10:59	08/16/11 03:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.050	0.0047	1	08/15/11 10:59	08/16/11 03:23	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.050	0.0054	1	08/15/11 10:59	08/16/11 03:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.050	0.0063	1	08/15/11 10:59	08/16/11 03:23	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.050	0.012	1	08/15/11 10:59	08/16/11 03:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 10:59	08/16/11 03:23	108-90-7	
Chloroethane	ND	mg/kg	0.50	0.12	1	08/15/11 10:59	08/16/11 03:23	75-00-3	
Chloroform	ND	mg/kg	0.050	0.011	1	08/15/11 10:59	08/16/11 03:23	67-66-3	
Chloromethane	ND	mg/kg	0.20	0.033	1	08/15/11 10:59	08/16/11 03:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/15/11 10:59	08/16/11 03:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/15/11 10:59	08/16/11 03:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.20	0.038	1	08/15/11 10:59	08/16/11 03:23	96-12-8	
Dibromochloromethane	ND	mg/kg	0.050	0.011	1	08/15/11 10:59	08/16/11 03:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.050	0.016	1	08/15/11 10:59	08/16/11 03:23	106-93-4	
Dibromomethane	ND	mg/kg	0.050	0.020	1	08/15/11 10:59	08/16/11 03:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.050	0.016	1	08/15/11 10:59	08/16/11 03:23	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.050	0.0064	1	08/15/11 10:59	08/16/11 03:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.050	0.0090	1	08/15/11 10:59	08/16/11 03:23	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.050	0.015	1	08/15/11 10:59	08/16/11 03:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.050	0.017	1	08/15/11 10:59	08/16/11 03:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.050	0.013	1	08/15/11 10:59	08/16/11 03:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.050	0.025	1	08/15/11 10:59	08/16/11 03:23	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.050	0.017	1	08/15/11 10:59	08/16/11 03:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.050	0.014	1	08/15/11 10:59	08/16/11 03:23	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.50	0.026	1	08/15/11 10:59	08/16/11 03:23	75-43-4	L3
1,2-Dichloropropane	ND	mg/kg	0.050	0.022	1	08/15/11 10:59	08/16/11 03:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.050	0.0083	1	08/15/11 10:59	08/16/11 03:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.20	0.020	1	08/15/11 10:59	08/16/11 03:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.050	0.011	1	08/15/11 10:59	08/16/11 03:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.050	0.0087	1	08/15/11 10:59	08/16/11 03:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.050	0.0093	1	08/15/11 10:59	08/16/11 03:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.20	0.034	1	08/15/11 10:59	08/16/11 03:23	60-29-7	
Ethylbenzene	ND	mg/kg	0.050	0.0028	1	08/15/11 10:59	08/16/11 03:23	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166284

Sample: Trip Blank **Lab ID: 10166284018** Collected: 08/10/11 00:00 Received: 08/11/11 16:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	0.25	0.0057	1	08/15/11 10:59	08/16/11 03:23	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.050	0.0063	1	08/15/11 10:59	08/16/11 03:23	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.050	0.0086	1	08/15/11 10:59	08/16/11 03:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.20	0.10	1	08/15/11 10:59	08/16/11 03:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.50	0.25	1	08/15/11 10:59	08/16/11 03:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.050	0.017	1	08/15/11 10:59	08/16/11 03:23	1634-04-4	
Naphthalene	ND	mg/kg	0.20	0.0086	1	08/15/11 10:59	08/16/11 03:23	91-20-3	
n-Propylbenzene	ND	mg/kg	0.050	0.0040	1	08/15/11 10:59	08/16/11 03:23	103-65-1	
Styrene	ND	mg/kg	0.050	0.0063	1	08/15/11 10:59	08/16/11 03:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 10:59	08/16/11 03:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 10:59	08/16/11 03:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.050	0.013	1	08/15/11 10:59	08/16/11 03:23	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.0	0.15	1	08/15/11 10:59	08/16/11 03:23	109-99-9	
Toluene	ND	mg/kg	0.050	0.0075	1	08/15/11 10:59	08/16/11 03:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.050	0.014	1	08/15/11 10:59	08/16/11 03:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 10:59	08/16/11 03:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.050	0.0065	1	08/15/11 10:59	08/16/11 03:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.050	0.022	1	08/15/11 10:59	08/16/11 03:23	79-00-5	
Trichloroethene	ND	mg/kg	0.050	0.016	1	08/15/11 10:59	08/16/11 03:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.20	0.025	1	08/15/11 10:59	08/16/11 03:23	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.20	0.016	1	08/15/11 10:59	08/16/11 03:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.050	0.020	1	08/15/11 10:59	08/16/11 03:23	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.050	0.0074	1	08/15/11 10:59	08/16/11 03:23	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.050	0.0066	1	08/15/11 10:59	08/16/11 03:23	108-67-8	
Vinyl chloride	ND	mg/kg	0.020	0.0093	1	08/15/11 10:59	08/16/11 03:23	75-01-4	
Xylene (Total)	ND	mg/kg	0.15	0.027	1	08/15/11 10:59	08/16/11 03:23	1330-20-7	
Dibromofluoromethane (S)	94	%	30-150		1	08/15/11 10:59	08/16/11 03:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	88	%	30-150		1	08/15/11 10:59	08/16/11 03:23	17060-07-0	
Toluene-d8 (S)	87	%	30-150		1	08/15/11 10:59	08/16/11 03:23	2037-26-5	
4-Bromofluorobenzene (S)	89	%	30-150		1	08/15/11 10:59	08/16/11 03:23	460-00-4	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16330
QC Batch Method: EPA 3550
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 10166284001

METHOD BLANK: 1033159 Matrix: Solid
Associated Lab Samples: 10166284001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1262 (Aroclor 1262)	mg/kg	ND	0.033	08/17/11 02:56	
PCB-1268 (Aroclor 1268)	mg/kg	ND	0.033	08/17/11 02:56	
Decachlorobiphenyl (S)	%	94	30-150	08/17/11 02:56	
Tetrachloro-m-xylene (S)	%	93	30-150	08/17/11 02:56	

LABORATORY CONTROL SAMPLE: 1033160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.67	0.65	97	68-125	
PCB-1260 (Aroclor 1260)	mg/kg	.67	0.64	97	70-125	
Decachlorobiphenyl (S)	%			97	30-150	
Tetrachloro-m-xylene (S)	%			94	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033161 1033162

Parameter	Units	10166204019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	ND	.82	.82	0.73	0.77	87	93	55-128	7	30	
PCB-1260 (Aroclor 1260)	mg/kg	ND	.82	.82	0.72	0.73	87	88	30-149	.4	30	
Decachlorobiphenyl (S)	%						89	89	30-150			
Tetrachloro-m-xylene (S)	%						86	87	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16328 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166284001, 10166284009, 10166284011, 10166284016, 10166284017

METHOD BLANK: 1033152 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284009, 10166284011, 10166284016, 10166284017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	08/16/11 10:56	
n-Triacontane (S)	%	63	50-150	08/16/11 10:56	

LABORATORY CONTROL SAMPLE & LCSD: 1033153 1033154

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	61.0	61.7	76	77	70-120	1	20	
n-Triacontane (S)	%				61	61	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16678 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO Solid GCV
Associated Lab Samples: 10166284016

METHOD BLANK: 1056751 Matrix: Solid
Associated Lab Samples: 10166284016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	10.0	09/19/11 12:48	
n-Triacontane (S)	%	56	38-125	09/19/11 12:48	

LABORATORY CONTROL SAMPLE & LCSD: 1056752 1056753

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	45.2	51.2	57	64	70-125	12	20	C0,L0
n-Triacontane (S)	%				58	62	38-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16314 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166284008, 10166284012, 10166284015

METHOD BLANK: 1031864 Matrix: Water
Associated Lab Samples: 10166284008, 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/L	ND	0.10	08/17/11 10:59	
n-Triacontane (S)	%	74	50-150	08/17/11 10:59	

LABORATORY CONTROL SAMPLE & LCSD: 1031865 1031866

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/L	2	1.5	1.8	76	88	75-115	15	20	
n-Triacontane (S)	%				90	105	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: GCV/8296 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10166284001, 10166284009, 10166284011, 10166284016, 10166284017, 10166284018

METHOD BLANK: 1033322 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284009, 10166284011, 10166284016, 10166284017, 10166284018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/17/11 23:42	
a,a,a-Trifluorotoluene (S)	%	100	80-125	08/17/11 23:42	

LABORATORY CONTROL SAMPLE & LCSD: 1033323 1033324

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	48.6	48.9	97	98	80-120	.7	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033325 1033326

Parameter	Units	10166256021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	ND	58.8	60.4	52.5	56.9	89	94	80-120	8	20	
a,a,a-Trifluorotoluene (S)	%						102	102	80-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: GCV/8298 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10166284012, 10166284015

METHOD BLANK: 1033526 Matrix: Water
Associated Lab Samples: 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/15/11 22:45	
a,a,a-Trifluorotoluene (S)	%	101	80-125	08/15/11 22:45	

LABORATORY CONTROL SAMPLE & LCSD: 1033527 1033528

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	941	987	94	99	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-125			

MATRIX SPIKE SAMPLE: 1033631

Parameter	Units	10166284012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	902	90	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-125	

SAMPLE DUPLICATE: 1033632

Parameter	Units	10166284015 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.02		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: GCV/8305
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10166284008

METHOD BLANK: 1034978 Matrix: Water
Associated Lab Samples: 10166284008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/17/11 13:07	
a,a,a-Trifluorotoluene (S)	%	101	80-125	08/17/11 13:07	

LABORATORY CONTROL SAMPLE & LCSD: 1034979 1034980

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	984	989	98	99	80-120	.5	20	
a,a,a-Trifluorotoluene (S)	%				100	101	80-125			

MATRIX SPIKE SAMPLE: 1034990

Parameter	Units	10166657001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	2220	1000	3170	94	80-120	
a,a,a-Trifluorotoluene (S)	%				97	80-125	

SAMPLE DUPLICATE: 1034989

Parameter	Units	10166656002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	102	101	.9		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MPRP/27716 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284009, 10166284011, 10166284013, 10166284014

METHOD BLANK: 1032636 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284009, 10166284011, 10166284013, 10166284014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.46	08/16/11 13:05	
Barium	mg/kg	ND	0.46	08/16/11 13:05	
Cadmium	mg/kg	ND	0.046	08/16/11 13:05	
Chromium	mg/kg	ND	0.46	08/16/11 13:05	
Lead	mg/kg	ND	0.28	08/16/11 13:05	
Selenium	mg/kg	ND	0.69	08/16/11 13:05	
Silver	mg/kg	ND	0.46	08/16/11 13:05	

LABORATORY CONTROL SAMPLE: 1032637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48.1	40.3	84	80-120	
Barium	mg/kg	48.1	43.0	89	80-120	
Cadmium	mg/kg	48.1	41.5	86	80-120	
Chromium	mg/kg	48.1	43.6	91	80-120	
Lead	mg/kg	48.1	41.4	86	80-120	
Selenium	mg/kg	48.1	38.8	81	80-120	
Silver	mg/kg	24	21.6	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1032638 1032639

Parameter	Units	10166256020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	6.7	48.8	55.1	47.1	47.1	83	73	75-125	.05	30	M1
Barium	mg/kg	66.5	48.8	55.1	125	119	120	96	75-125	5	30	
Cadmium	mg/kg	0.37	48.8	55.1	41.7	42.6	85	77	75-125	2	30	
Chromium	mg/kg	11.8	48.8	55.1	57.5	56.3	94	81	75-125	2	30	
Lead	mg/kg	9.3	48.8	55.1	49.3	50.0	82	74	75-125	1	30	M1
Selenium	mg/kg	ND	48.8	55.1	37.1	38.8	76	70	75-125	4	30	M1
Silver	mg/kg	ND	24.4	27.5	21.7	22.4	89	81	75-125	3	30	

MATRIX SPIKE SAMPLE: 1032640

Parameter	Units	10166284013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	2.6	42	38.3	85	75-125	
Barium	mg/kg	22.3	42	49.6	65	75-125	M1
Cadmium	mg/kg	0.057	42	36.7	87	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE SAMPLE: 1032640

Parameter	Units	10166284013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	9.5	42	46.4	88	75-125	
Lead	mg/kg	5.1	42	40.6	85	75-125	
Selenium	mg/kg	ND	42	34.9	83	75-125	
Silver	mg/kg	ND	20.9	19.3	92	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MPRP/27717 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10166284016, 10166284017

METHOD BLANK: 1032643 Matrix: Solid
Associated Lab Samples: 10166284016, 10166284017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/16/11 20:21	
Barium	mg/kg	ND	0.50	08/16/11 20:21	
Cadmium	mg/kg	ND	0.050	08/16/11 20:21	
Chromium	mg/kg	ND	0.50	08/16/11 20:21	
Lead	mg/kg	ND	0.30	08/16/11 20:21	
Selenium	mg/kg	ND	0.74	08/16/11 20:21	
Silver	mg/kg	ND	0.50	08/16/11 20:21	

LABORATORY CONTROL SAMPLE: 1032644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	47.6	40.8	86	80-120	
Barium	mg/kg	47.6	44.6	94	80-120	
Cadmium	mg/kg	47.6	42.8	90	80-120	
Chromium	mg/kg	47.6	45.0	94	80-120	
Lead	mg/kg	47.6	41.8	88	80-120	
Selenium	mg/kg	47.6	41.5	87	80-120	
Silver	mg/kg	23.8	22.2	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1032645 1032646

Parameter	Units	10166274003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	ND	46.3	47.6	37.0	41.6	80	87	75-125	12	30	
Barium	mg/kg	17.8	46.3	47.6	52.9	60.2	76	89	75-125	13	30	
Cadmium	mg/kg	ND	46.3	47.6	35.4	40.2	76	84	75-125	13	30	
Chromium	mg/kg	2.5	46.3	47.6	38.7	43.8	78	87	75-125	12	30	
Lead	mg/kg	ND	46.3	47.6	31.9	35.4	69	74	75-125	11	30	M1
Selenium	mg/kg	ND	46.3	47.6	39.2	43.7	85	92	75-125	11	30	
Silver	mg/kg	ND	23.1	23.8	20.1	22.1	85	91	75-125	10	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MPRP/27731
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 10166284008, 10166284012

METHOD BLANK: 1033125 Matrix: Water
Associated Lab Samples: 10166284008, 10166284012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/15/11 16:00	
Barium	ug/L	ND	10.0	08/15/11 16:00	
Cadmium	ug/L	ND	1.0	08/15/11 16:00	
Chromium	ug/L	ND	10.0	08/15/11 16:00	
Lead	ug/L	ND	3.0	08/15/11 16:00	
Selenium	ug/L	ND	15.0	08/15/11 16:00	
Silver	ug/L	ND	10.0	08/15/11 16:00	

LABORATORY CONTROL SAMPLE: 1033126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	915	91	80-120	
Barium	ug/L	1000	924	92	80-120	
Cadmium	ug/L	1000	912	91	80-120	
Chromium	ug/L	1000	912	91	80-120	
Lead	ug/L	1000	901	90	80-120	
Selenium	ug/L	1000	883	88	80-120	
Silver	ug/L	500	461	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033127 1033128

Parameter	Units	10166204004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	959	919	95	91	80-120	4	30	
Barium	ug/L	41.1	1000	1000	959	908	92	87	80-120	5	30	
Cadmium	ug/L	ND	1000	1000	941	891	94	89	80-120	5	30	
Chromium	ug/L	ND	1000	1000	922	875	92	87	80-120	5	30	
Lead	ug/L	5.2	1000	1000	900	855	89	85	80-120	5	30	
Selenium	ug/L	ND	1000	1000	850	825	85	82	80-120	3	30	
Silver	ug/L	ND	500	500	478	452	96	90	80-120	6	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MERP/5798 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 10166284008, 10166284012

METHOD BLANK: 1032660 Matrix: Water
Associated Lab Samples: 10166284008, 10166284012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/16/11 07:47	

LABORATORY CONTROL SAMPLE: 1032661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1032662 1032663

Parameter	Units	10166119002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.6	5.6	111	112	80-120	.9	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MERP/5800 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

METHOD BLANK: 1033142 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.016	08/17/11 11:16	

LABORATORY CONTROL SAMPLE: 1033143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.45	0.44	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033144 1033145

Parameter	Units	10166284001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.5	.52	0.57	0.61	112	116	80-120	6	20	

MATRIX SPIKE SAMPLE: 1033146

Parameter	Units	10166358001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.076	.46	0.59	113	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MPRP/27799
QC Batch Method: % Moisture
Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

SAMPLE DUPLICATE: 1034954

Parameter	Units	10166111001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.6	18.0	3	30	

SAMPLE DUPLICATE: 1034955

Parameter	Units	10166284017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.4	13.1	5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16347 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

METHOD BLANK: 1033964 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/17/11 14:12	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
1-Methylnaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/17/11 14:12	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/17/11 14:12	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/17/11 14:12	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/17/11 14:12	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/17/11 14:12	
2-Chloronaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2-Chlorophenol	mg/kg	ND	0.33	08/17/11 14:12	
2-Methylnaphthalene	mg/kg	ND	0.33	08/17/11 14:12	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/17/11 14:12	
2-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
2-Nitrophenol	mg/kg	ND	0.33	08/17/11 14:12	
3&4-Methylphenol	mg/kg	ND	0.66	08/17/11 14:12	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/17/11 14:12	
3-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/17/11 14:12	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/17/11 14:12	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/17/11 14:12	
4-Chloroaniline	mg/kg	ND	0.33	08/17/11 14:12	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/17/11 14:12	
4-Nitroaniline	mg/kg	ND	1.7	08/17/11 14:12	
4-Nitrophenol	mg/kg	ND	1.7	08/17/11 14:12	
Acenaphthene	mg/kg	ND	0.33	08/17/11 14:12	
Acenaphthylene	mg/kg	ND	0.33	08/17/11 14:12	
Anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(a)anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(a)pyrene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/17/11 14:12	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/17/11 14:12	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/17/11 14:12	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

METHOD BLANK: 1033964 Matrix: Solid

Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004, 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Carbazole	mg/kg	ND	0.33	08/17/11 14:12	
Chrysene	mg/kg	ND	0.33	08/17/11 14:12	
Di-n-butylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Di-n-octylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/17/11 14:12	
Dibenzofuran	mg/kg	ND	0.33	08/17/11 14:12	
Diethylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Dimethylphthalate	mg/kg	ND	0.33	08/17/11 14:12	
Fluoranthene	mg/kg	ND	0.33	08/17/11 14:12	
Fluorene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachlorobenzene	mg/kg	ND	0.33	08/17/11 14:12	
Hexachloroethane	mg/kg	ND	0.33	08/17/11 14:12	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/17/11 14:12	
Isophorone	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/17/11 14:12	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/17/11 14:12	
Naphthalene	mg/kg	ND	0.33	08/17/11 14:12	
Nitrobenzene	mg/kg	ND	0.33	08/17/11 14:12	
Pentachlorophenol	mg/kg	ND	0.67	08/17/11 14:12	
Phenanthrene	mg/kg	ND	0.33	08/17/11 14:12	
Phenol	mg/kg	ND	0.33	08/17/11 14:12	
Pyrene	mg/kg	ND	0.33	08/17/11 14:12	
2,4,6-Tribromophenol (S)	%	92	30-150	08/17/11 14:12	
2-Fluorobiphenyl (S)	%	82	30-150	08/17/11 14:12	
2-Fluorophenol (S)	%	73	30-147	08/17/11 14:12	
Nitrobenzene-d5 (S)	%	82	50-120	08/17/11 14:12	
Phenol-d6 (S)	%	73	30-149	08/17/11 14:12	
Terphenyl-d14 (S)	%	85	30-150	08/17/11 14:12	

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.4	81	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.2	74	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.6J	94	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.2	75	57-125	
1,4-Dichlorobenzene	mg/kg	1.7	1.3	75	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.3	77	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.5J	90	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.5	88	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.4	83	62-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	mg/kg	1.7	1.3	81	44-125	
2,4-Dinitrophenol	mg/kg	1.7	1.5J	88	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.5	88	63-125	
2,6-Dinitrotoluene	mg/kg	1.7	1.4	85	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.4	81	64-125	
2-Chlorophenol	mg/kg	1.7	1.2	74	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.3	78	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.2	73	57-125	
2-Nitroaniline	mg/kg	1.7	1.5J	88	63-125	
2-Nitrophenol	mg/kg	1.7	1.3	76	57-125	
3&4-Methylphenol	mg/kg	1.7	1.2	73	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.3	78	30-125	
3-Nitroaniline	mg/kg	1.7	1.3J	77	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.4J	85	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.5	87	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.4	84	66-125	
4-Chloroaniline	mg/kg	1.7	1.1	67	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.5	92	67-125	
4-Nitroaniline	mg/kg	1.7	1.3J	78	54-125	
4-Nitrophenol	mg/kg	1.7	1.5J	87	51-125	
Acenaphthene	mg/kg	1.7	1.4	81	64-125	
Acenaphthylene	mg/kg	1.7	1.4	82	65-125	
Anthracene	mg/kg	1.7	1.5	87	66-125	
Benzo(a)anthracene	mg/kg	1.7	1.4	82	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.5	87	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.5	88	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	87	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.5	88	68-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.2	72	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.1	68	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.0	61	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.5	92	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.3	79	65-125	
Carbazole	mg/kg	1.7	1.4	84	65-125	
Chrysene	mg/kg	1.7	1.4	81	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.5	92	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.5	93	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	89	66-125	
Dibenzofuran	mg/kg	1.7	1.4	85	66-125	
Diethylphthalate	mg/kg	1.7	1.5	92	68-125	
Dimethylphthalate	mg/kg	1.7	1.5	88	68-125	
Fluoranthene	mg/kg	1.7	1.5	91	65-125	
Fluorene	mg/kg	1.7	1.5	89	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.5	90	60-125	
Hexachlorobenzene	mg/kg	1.7	1.4	87	67-125	
Hexachloroethane	mg/kg	1.7	1.3	80	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	88	66-125	
Isophorone	mg/kg	1.7	1.3	77	61-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE: 1033965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.2	74	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.1	68	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.4	86	66-125	
Naphthalene	mg/kg	1.7	1.3	77	61-125	
Nitrobenzene	mg/kg	1.7	1.3	80	59-125	
Pentachlorophenol	mg/kg	1.7	1.3	80	30-126	
Phenanthrene	mg/kg	1.7	1.4	86	68-125	
Phenol	mg/kg	1.7	1.2	71	58-125	
Pyrene	mg/kg	1.7	1.3	80	66-125	
2,4,6-Tribromophenol (S)	%			94	30-150	
2-Fluorobiphenyl (S)	%			80	30-150	
2-Fluorophenol (S)	%			71	30-147	
Nitrobenzene-d5 (S)	%			79	50-120	
Phenol-d6 (S)	%			71	30-149	
Terphenyl-d14 (S)	%			78	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	1.9	1.9	1.6	1.5	88	82	30-138	7	30	
1,2-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.3	1.3	74	70	30-125	6	30	
1,2-Diphenylhydrazine	mg/kg	ND	1.9	1.9	1.8J	1.6J	97	88	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.3	1.3	74	69	30-126	7	30	
1,4-Dichlorobenzene	mg/kg	ND	1.9	1.9	1.4	1.3	75	70	30-130	7	30	
1-Methylnaphthalene	mg/kg	ND	1.9	1.9	2.0	5.5	107	296	30-144	92	30	D6,M1
2,4,5-Trichlorophenol	mg/kg	ND	1.9	1.9	1.7J	1.5J	94	84	30-150		30	
2,4,6-Trichlorophenol	mg/kg	ND	1.9	1.9	1.7	1.5	93	85	30-150	10	30	
2,4-Dichlorophenol	mg/kg	ND	1.9	1.9	1.6	1.5	89	84	30-147	6	30	
2,4-Dimethylphenol	mg/kg	ND	1.9	1.9	1.6	1.8	90	99	30-150	9	30	
2,4-Dinitrophenol	mg/kg	ND	1.9	1.9	ND	ND	35	0	30-133		30	M1
2,4-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.6	1.6	90	88	30-150	2	30	
2,6-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.5	1.3	85	74	30-150	14	30	
2-Chloronaphthalene	mg/kg	ND	1.9	1.9	1.6	1.5	88	81	30-150	8	30	
2-Chlorophenol	mg/kg	ND	1.9	1.9	1.4	1.3	78	73	30-133	6	30	
2-Methylnaphthalene	mg/kg	ND	1.9	1.9	2.3	8.1	120	443	30-141	113	30	D6,E,M1
2-Methylphenol(o-Cresol)	mg/kg	ND	1.9	1.9	1.5	1.6	82	85	30-140	4	30	
2-Nitroaniline	mg/kg	ND	1.9	1.9	1.7J	1.6J	94	88	30-150		30	
2-Nitrophenol	mg/kg	ND	1.9	1.9	1.5	1.4	83	76	30-141	10	30	
3&4-Methylphenol	mg/kg	ND	1.9	1.9	1.5	1.8	84	101	30-147	19	30	
3,3'-Dichlorobenzidine	mg/kg	ND	1.9	1.9	1.0	1.3	57	71	30-132	22	30	
3-Nitroaniline	mg/kg	ND	1.9	1.9	1.1J	1.3J	62	74	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.9	1.9	ND	ND	48	22	30-147		30	M1
4-Bromophenylphenyl ether	mg/kg	ND	1.9	1.9	1.7	1.5	94	84	30-150	11	30	
4-Chloro-3-methylphenol	mg/kg	ND	1.9	1.9	1.6	1.4	87	79	30-150	10	30	
4-Chloroaniline	mg/kg	ND	1.9	1.9	0.87	1.2	48	64	30-150	29	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Chlorophenylphenyl ether	mg/kg	ND	1.9	1.9	1.7	1.7	96	91	30-150	5	30	
4-Nitroaniline	mg/kg	ND	1.9	1.9	1.3J	1.5J	73	83	30-145		30	
4-Nitrophenol	mg/kg	ND	1.9	1.9	1.7J	1.6J	94	86	30-150		30	
Acenaphthene	mg/kg	ND	1.9	1.9	2.4	6.4	123	345	30-149	92	30	D6,E, M1
Acenaphthylene	mg/kg	0.45	1.9	1.9	2.7	2.9	123	132	30-150	6	30	
Anthracene	mg/kg	0.68	1.9	1.9	4.1	10	189	512	30-150	83	30	D6,E, M1
Benzo(a)anthracene	mg/kg	1.6	1.9	1.9	8.5	24.5	376	1260	30-150	97	30	D6,E, M1
Benzo(a)pyrene	mg/kg	2.0	1.9	1.9	10.6	33.5	477	1730	30-150	103	30	D6,E, M1
Benzo(b)fluoranthene	mg/kg	2.6	1.9	1.9	13.3	23.0	588	1120	30-150	53	30	D6,E, M1
Benzo(g,h,i)perylene	mg/kg	1.7	1.9	1.9	8.2	15.6	363	770	30-150	62	30	D6,E, M1
Benzo(k)fluoranthene	mg/kg	0.92	1.9	1.9	5.5	2.7	250	95	30-150	69	30	D6,M1
bis(2-Chloroethoxy)methane	mg/kg	ND	1.9	1.9	1.4	1.3	77	74	30-142	4	30	
bis(2-Chloroethyl) ether	mg/kg	ND	1.9	1.9	1.2	1.2	69	66	30-130	4	30	
bis(2-Chloroisopropyl) ether	mg/kg	ND	1.9	1.9	1.1	1.1	63	61	30-140	4	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	1.9	1.9	1.9	1.6	103	88	30-150	15	30	
Butylbenzylphthalate	mg/kg	ND	1.9	1.9	1.4	1.1	76	60	30-150	24	30	
Carbazole	mg/kg	ND	1.9	1.9	2.3	4.5	115	240	30-150	67	30	D6,M1
Chrysene	mg/kg	2.0	1.9	1.9	10.0	14.6	442	693	30-150	37	30	D6,E, M1
Di-n-butylphthalate	mg/kg	ND	1.9	1.9	1.8	1.7	97	94	30-150	3	30	
Di-n-octylphthalate	mg/kg	ND	1.9	1.9	1.7	0.86	91	47	30-150	63	30	D6
Dibenz(a,h)anthracene	mg/kg	0.42	1.9	1.9	3.8	6.8	184	349	30-150	57	30	D6,E, M1
Dibenzofuran	mg/kg	ND	1.9	1.9	1.9	2.3	99	122	30-150	20	30	
Diethylphthalate	mg/kg	ND	1.9	1.9	1.7	1.5	93	85	30-150	9	30	
Dimethylphthalate	mg/kg	ND	1.9	1.9	1.7	1.5	91	81	30-150	12	30	
Fluoranthene	mg/kg	3.1	1.9	1.9	13.3	30.6	560	1510	30-150	79	30	D6,E, M1
Fluorene	mg/kg	ND	1.9	1.9	2.5	4.6	122	240	30-150	60	30	D6,M1
Hexachloro-1,3-butadiene	mg/kg	ND	1.9	1.9	1.8	1.7	98	92	30-140	6	30	
Hexachlorobenzene	mg/kg	ND	1.9	1.9	1.6	1.5	90	81	30-150	11	30	
Hexachloroethane	mg/kg	ND	1.9	1.9	1.4	1.2	74	64	30-133	14	30	
Indeno(1,2,3-cd)pyrene	mg/kg	1.3	1.9	1.9	6.7	11.5	299	564	30-150	53	30	D6,E, M1
Isophorone	mg/kg	ND	1.9	1.9	1.5	1.4	84	78	30-145	7	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	1.9	1.9	1.4	1.4	80	75	30-140	6	30	
N-Nitrosodimethylamine	mg/kg	ND	1.9	1.9	1.2	1.1	65	62	30-134	6	30	
N-Nitrosodiphenylamine	mg/kg	ND	1.9	1.9	1.6	1.8	90	97	30-150	8	30	
Naphthalene	mg/kg	ND	1.9	1.9	2.6	10.7	135	581	30-136	122	30	D6,E, M1
Nitrobenzene	mg/kg	ND	1.9	1.9	1.5	1.4	84	77	30-141	8	30	
Pentachlorophenol	mg/kg	ND	1.9	1.9	1.4	0.91	79	50	30-150	45	30	D6
Phenanthrene	mg/kg	1.8	1.9	1.9	9.1	24.7	400	1260	30-150	92	30	D6,E, M1
Phenol	mg/kg	ND	1.9	1.9	1.4	1.5	77	84	30-135	9	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033966 1033967

Parameter	Units	10166204014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	mg/kg	2.7	1.9	1.9	11.9	22.8	508	1100	30-150	62	30	D6,E, M1
2,4,6-Tribromophenol (S)	%						95	84	30-150			
2-Fluorobiphenyl (S)	%						85	80	30-150			
2-Fluorophenol (S)	%						73	69	30-147			
Nitrobenzene-d5 (S)	%						84	79	50-120			
Phenol-d6 (S)	%						75	69	30-149			
Terphenyl-d14 (S)	%						73	56	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: OEXT/16351 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

METHOD BLANK: 1034374 Matrix: Water
Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/18/11 11:31	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
1-Methylnaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2,4,5-Trichlorophenol	ug/L	ND	50.0	08/18/11 11:31	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dichlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dimethylphenol	ug/L	ND	10.0	08/18/11 11:31	
2,4-Dinitrophenol	ug/L	ND	50.0	08/18/11 11:31	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/18/11 11:31	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/18/11 11:31	
2-Chloronaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2-Chlorophenol	ug/L	ND	10.0	08/18/11 11:31	
2-Methylnaphthalene	ug/L	ND	10.0	08/18/11 11:31	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/18/11 11:31	
2-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
2-Nitrophenol	ug/L	ND	10.0	08/18/11 11:31	
3&4-Methylphenol	ug/L	ND	20.0	08/18/11 11:31	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/18/11 11:31	
3-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/18/11 11:31	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/18/11 11:31	
4-Chloro-3-methylphenol	ug/L	ND	10.0	08/18/11 11:31	
4-Chloroaniline	ug/L	ND	50.0	08/18/11 11:31	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/18/11 11:31	
4-Nitroaniline	ug/L	ND	50.0	08/18/11 11:31	
4-Nitrophenol	ug/L	ND	50.0	08/18/11 11:31	
Acenaphthene	ug/L	ND	10.0	08/18/11 11:31	
Acenaphthylene	ug/L	ND	10.0	08/18/11 11:31	
Anthracene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(a)anthracene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(a)pyrene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/18/11 11:31	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/18/11 11:31	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/18/11 11:31	
Butylbenzylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Carbazole	ug/L	ND	10.0	08/18/11 11:31	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

METHOD BLANK: 1034374 Matrix: Water

Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	10.0	08/18/11 11:31	
Di-n-butylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Di-n-octylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Dibenz(a,h)anthracene	ug/L	ND	20.0	08/18/11 11:31	
Dibenzofuran	ug/L	ND	10.0	08/18/11 11:31	
Diethylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Dimethylphthalate	ug/L	ND	10.0	08/18/11 11:31	
Fluoranthene	ug/L	ND	10.0	08/18/11 11:31	
Fluorene	ug/L	ND	10.0	08/18/11 11:31	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/18/11 11:31	
Hexachlorobenzene	ug/L	ND	10.0	08/18/11 11:31	
Hexachloroethane	ug/L	ND	10.0	08/18/11 11:31	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/18/11 11:31	
Isophorone	ug/L	ND	10.0	08/18/11 11:31	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/18/11 11:31	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/18/11 11:31	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/18/11 11:31	
Naphthalene	ug/L	ND	10.0	08/18/11 11:31	
Nitrobenzene	ug/L	ND	10.0	08/18/11 11:31	
Pentachlorophenol	ug/L	ND	23.0	08/18/11 11:31	
Phenanthrene	ug/L	ND	10.0	08/18/11 11:31	
Phenol	ug/L	ND	10.0	08/18/11 11:31	
Pyrene	ug/L	ND	10.0	08/18/11 11:31	
2,4,6-Tribromophenol (S)	%	87	30-150	08/18/11 11:31	
2-Fluorobiphenyl (S)	%	78	30-150	08/18/11 11:31	
2-Fluorophenol (S)	%	68	30-148	08/18/11 11:31	
Nitrobenzene-d5 (S)	%	80	30-150	08/18/11 11:31	
Phenol-d6 (S)	%	69	30-150	08/18/11 11:31	
Terphenyl-d14 (S)	%	81	30-150	08/18/11 11:31	

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	44.0	46.8	88	94	68-125	6	20	
1,2-Dichlorobenzene	ug/L	50	38.5	42.8	77	86	67-125	11	20	
1,2-Diphenylhydrazine	ug/L	50	51.4	52.3	103	105	76-125	2	20	
1,3-Dichlorobenzene	ug/L	50	38.9	42.4	78	85	66-125	9	20	
1,4-Dichlorobenzene	ug/L	50	39.2	42.3	78	85	67-125	8	20	
1-Methylnaphthalene	ug/L	50	42.8	44.8	86	90	74-125	5	20	
2,4,5-Trichlorophenol	ug/L	50	46.5J	47J	93	94	72-125		20	
2,4,6-Trichlorophenol	ug/L	50	45.4	47.0	91	94	73-125	3	20	
2,4-Dichlorophenol	ug/L	50	44.9	46.5	90	93	70-125	4	20	
2,4-Dimethylphenol	ug/L	50	34.5	35.9	69	72	48-125	4	20	
2,4-Dinitrophenol	ug/L	50	47.2J	47.2J	94	94	30-143		20	
2,4-Dinitrotoluene	ug/L	50	47.1	48.4	94	97	74-125	3	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,6-Dinitrotoluene	ug/L	50	44.8	45.8	90	92	74-125	2	20	
2-Chloronaphthalene	ug/L	50	43.9	46.4	88	93	74-125	5	20	
2-Chlorophenol	ug/L	50	37.8	40.6	76	81	65-125	7	20	
2-Methylnaphthalene	ug/L	50	43.5	44.7	87	89	71-125	3	20	
2-Methylphenol(o-Cresol)	ug/L	50	36.6	39.5	73	79	65-125	8	20	
2-Nitroaniline	ug/L	50	47J	47.9J	94	96	69-126		20	
2-Nitrophenol	ug/L	50	41.3	42.8	83	86	66-125	3	20	
3&4-Methylphenol	ug/L	50	37.8	40.0	76	80	67-125	6	20	
3,3'-Dichlorobenzidine	ug/L	50	38.2	41.2	76	82	75-130	8	20	
3-Nitroaniline	ug/L	50	39.8J	40.3J	80	81	68-127		20	
4,6-Dinitro-2-methylphenol	ug/L	50	45.6J	45.6J	91	91	55-130		20	
4-Bromophenylphenyl ether	ug/L	50	46.6	48.7	93	97	75-125	4	20	
4-Chloro-3-methylphenol	ug/L	50	44.8	45.4	90	91	75-125	1	20	
4-Chloroaniline	ug/L	50	35J	37.9J	70	76	56-125		20	
4-Chlorophenylphenyl ether	ug/L	50	51.0	51.8	102	104	75-125	2	20	
4-Nitroaniline	ug/L	50	39.8J	40.6J	80	81	70-125		20	
4-Nitrophenol	ug/L	50	44.8J	45.1J	90	90	57-127		20	
Acenaphthene	ug/L	50	44.3	45.1	89	90	74-125	2	20	
Acenaphthylene	ug/L	50	44.5	45.6	89	91	74-125	2	20	
Anthracene	ug/L	50	45.6	46.3	91	93	73-125	2	20	
Benzo(a)anthracene	ug/L	50	42.6	43.6	85	87	75-125	2	20	
Benzo(a)pyrene	ug/L	50	44.9	46.8	90	94	75-125	4	20	
Benzo(b)fluoranthene	ug/L	50	45.9	46.9	92	94	75-125	2	20	
Benzo(g,h,i)perylene	ug/L	50	46.5	47.4	93	95	75-125	2	20	
Benzo(k)fluoranthene	ug/L	50	47.8	48.9	96	98	75-125	2	20	
bis(2-Chloroethoxy)methane	ug/L	50	39.1	40.5	78	81	68-125	3	20	
bis(2-Chloroethyl) ether	ug/L	50	36.0	37.8	72	76	63-125	5	20	
bis(2-Chloroisopropyl) ether	ug/L	50	31.6	33.8	63	68	42-138	7	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.3	48.6	95	97	75-125	3	20	
Butylbenzylphthalate	ug/L	50	40.3	40.9	81	82	75-125	1	20	
Carbazole	ug/L	50	44.2	45.4	88	91	70-125	3	20	
Chrysene	ug/L	50	41.1	43.1	82	86	75-125	5	20	
Di-n-butylphthalate	ug/L	50	48.3	49.3	97	99	72-125	2	20	
Di-n-octylphthalate	ug/L	50	47.9	49.5	96	99	75-125	3	20	
Dibenz(a,h)anthracene	ug/L	50	47.4	47.9	95	96	75-125	1	20	
Dibenzofuran	ug/L	50	46.1	46.7	92	93	75-125	1	20	
Diethylphthalate	ug/L	50	48.7	49.4	97	99	73-125	1	20	
Dimethylphthalate	ug/L	50	46.3	47.6	93	95	75-125	3	20	
Fluoranthene	ug/L	50	48.6	49.3	97	99	75-125	1	20	
Fluorene	ug/L	50	48.9	50.0	98	100	75-125	2	20	
Hexachloro-1,3-butadiene	ug/L	50	49.0	52.8	98	106	66-125	7	20	
Hexachlorobenzene	ug/L	50	46.1	47.0	92	94	74-125	2	20	
Hexachloroethane	ug/L	50	42.5	46.5	85	93	63-125	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	47.0	47.8	94	96	75-125	2	20	
Isophorone	ug/L	50	43.1	44.3	86	89	72-125	3	20	
N-Nitroso-di-n-propylamine	ug/L	50	39.9	42.0	80	84	68-125	5	20	
N-Nitrosodimethylamine	ug/L	50	34.8	36.4	70	73	55-125	5	20	
N-Nitrosodiphenylamine	ug/L	50	43.6	44.5	87	89	74-125	2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1034375 1034376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	50	42.2	43.8	84	88	68-125	4	20	
Nitrobenzene	ug/L	50	42.3	45.1	85	90	67-125	6	20	
Pentachlorophenol	ug/L	50	39.4	40.2	79	80	48-132	2	20	
Phenanthrene	ug/L	50	45.5	46.7	91	93	75-125	3	20	
Phenol	ug/L	50	36.6	39.1	73	78	63-125	7	20	
Pyrene	ug/L	50	40.4	41.9	81	84	75-125	4	20	
2,4,6-Tribromophenol (S)	%				96	94	30-150			
2-Fluorobiphenyl (S)	%				86	87	30-150			
2-Fluorophenol (S)	%				70	76	30-148			
Nitrobenzene-d5 (S)	%				85	88	30-150			
Phenol-d6 (S)	%				72	76	30-150			
Terphenyl-d14 (S)	%				78	79	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MSV/17650 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004

METHOD BLANK: 1033199 Matrix: Solid
Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1-Dichloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,1-Dichloroethene	mg/kg	ND	0.050	08/15/11 14:39	
1,1-Dichloropropene	mg/kg	ND	0.050	08/15/11 14:39	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/15/11 14:39	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/15/11 14:39	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/15/11 14:39	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,2-Dichloroethane	mg/kg	ND	0.050	08/15/11 14:39	
1,2-Dichloropropane	mg/kg	ND	0.050	08/15/11 14:39	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
1,3-Dichloropropane	mg/kg	ND	0.050	08/15/11 14:39	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
2,2-Dichloropropane	mg/kg	ND	0.20	08/15/11 14:39	
2-Butanone (MEK)	mg/kg	ND	0.50	08/15/11 14:39	
2-Chlorotoluene	mg/kg	ND	0.050	08/15/11 14:39	
4-Chlorotoluene	mg/kg	ND	0.050	08/15/11 14:39	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/15/11 14:39	
Acetone	mg/kg	ND	0.50	08/15/11 14:39	
Allyl chloride	mg/kg	ND	0.20	08/15/11 14:39	
Benzene	mg/kg	ND	0.020	08/15/11 14:39	
Bromobenzene	mg/kg	ND	0.050	08/15/11 14:39	
Bromochloromethane	mg/kg	ND	0.050	08/15/11 14:39	
Bromodichloromethane	mg/kg	ND	0.050	08/15/11 14:39	
Bromoform	mg/kg	ND	0.20	08/15/11 14:39	
Bromomethane	mg/kg	ND	0.50	08/15/11 14:39	
Carbon tetrachloride	mg/kg	ND	0.050	08/15/11 14:39	
Chlorobenzene	mg/kg	ND	0.050	08/15/11 14:39	
Chloroethane	mg/kg	ND	0.50	08/15/11 14:39	
Chloroform	mg/kg	ND	0.050	08/15/11 14:39	
Chloromethane	mg/kg	ND	0.20	08/15/11 14:39	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/15/11 14:39	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/15/11 14:39	
Dibromochloromethane	mg/kg	ND	0.050	08/15/11 14:39	
Dibromomethane	mg/kg	ND	0.050	08/15/11 14:39	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

METHOD BLANK: 1033199 Matrix: Solid

Associated Lab Samples: 10166284001, 10166284002, 10166284003, 10166284004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/kg	ND	0.050	08/15/11 14:39	
Dichlorofluoromethane	mg/kg	ND	0.50	08/15/11 14:39	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/15/11 14:39	
Ethylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/15/11 14:39	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/15/11 14:39	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/15/11 14:39	
Methylene Chloride	mg/kg	ND	0.20	08/15/11 14:39	
n-Butylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
n-Propylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
Naphthalene	mg/kg	ND	0.20	08/15/11 14:39	
p-Isopropyltoluene	mg/kg	ND	0.050	08/15/11 14:39	
sec-Butylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
Styrene	mg/kg	ND	0.050	08/15/11 14:39	
tert-Butylbenzene	mg/kg	ND	0.050	08/15/11 14:39	
Tetrachloroethene	mg/kg	ND	0.050	08/15/11 14:39	
Tetrahydrofuran	mg/kg	ND	2.0	08/15/11 14:39	
Toluene	mg/kg	ND	0.050	08/15/11 14:39	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/15/11 14:39	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/15/11 14:39	
Trichloroethene	mg/kg	ND	0.050	08/15/11 14:39	
Trichlorofluoromethane	mg/kg	ND	0.20	08/15/11 14:39	
Vinyl chloride	mg/kg	ND	0.020	08/15/11 14:39	
Xylene (Total)	mg/kg	ND	0.15	08/15/11 14:39	
1,2-Dichloroethane-d4 (S)	%	109	30-150	08/15/11 14:39	
4-Bromofluorobenzene (S)	%	102	30-150	08/15/11 14:39	
Dibromofluoromethane (S)	%	111	30-150	08/15/11 14:39	
Toluene-d8 (S)	%	100	30-150	08/15/11 14:39	

LABORATORY CONTROL SAMPLE & LCSD: 1033200 1033201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	1.1	1.1	109	106	75-125	3	20	
1,1,1-Trichloroethane	mg/kg	1	1.1	1.1	107	107	75-126	.4	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.1	1.1	114	113	75-125	.8	20	
1,1,2-Trichloroethane	mg/kg	1	1.1	1.1	108	110	75-125	2	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	0.97	1.1	97	106	62-150	9	20	
1,1-Dichloroethane	mg/kg	1	1.1	1.1	110	108	75-130	1	20	
1,1-Dichloroethene	mg/kg	1	0.98	1.0	98	104	67-142	6	20	
1,1-Dichloropropene	mg/kg	1	1.1	1.1	108	107	73-136	.4	20	
1,2,3-Trichlorobenzene	mg/kg	1	1.1	1.1	110	108	75-125	2	20	
1,2,3-Trichloropropane	mg/kg	1	1.0	1.1	101	111	75-125	9	20	
1,2,4-Trichlorobenzene	mg/kg	1	1.1	1.1	107	108	75-125	.5	20	
1,2,4-Trimethylbenzene	mg/kg	1	1.0	1.0	101	101	75-125	.07	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	1.0	1.0	104	104	66-125	.6	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1033200 1033201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	mg/kg	1	1.1	1.1	111	109	75-125	1	20	
1,2-Dichlorobenzene	mg/kg	1	1.1	1.1	109	109	75-125	.4	20	
1,2-Dichloroethane	mg/kg	1	1.1	1.1	109	107	75-125	2	20	
1,2-Dichloropropane	mg/kg	1	1.1	1.1	111	109	75-126	1	20	
1,3,5-Trimethylbenzene	mg/kg	1	1.0	1.0	103	100	75-125	3	20	
1,3-Dichlorobenzene	mg/kg	1	1.1	1.1	110	110	75-125	.06	20	
1,3-Dichloropropane	mg/kg	1	1.1	1.1	114	113	75-125	1	20	
1,4-Dichlorobenzene	mg/kg	1	1.1	1.1	107	108	75-125	.5	20	
2,2-Dichloropropane	mg/kg	1	1.1	1.1	112	112	43-137	.04	20	
2-Butanone (MEK)	mg/kg	1	0.91	0.85	91	85	63-129	7	20	
2-Chlorotoluene	mg/kg	1	1.1	1.1	112	112	75-125	.6	20	
4-Chlorotoluene	mg/kg	1	1.1	1.1	113	113	75-125	.3	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.1	1.1	109	108	70-125	1	20	
Acetone	mg/kg	2.5	3.0	3.1	118	122	64-138	3	20	
Allyl chloride	mg/kg	1	1.1	1.2	109	117	73-134	7	20	
Benzene	mg/kg	1	1.1	1.1	112	110	75-125	2	20	
Bromobenzene	mg/kg	1	1.1	1.1	112	110	75-125	2	20	
Bromochloromethane	mg/kg	1	1.2	1.2	119	115	75-129	3	20	
Bromodichloromethane	mg/kg	1	1.1	1.1	108	110	75-125	1	20	
Bromoform	mg/kg	1	1.1	1.1	108	106	62-125	2	20	
Bromomethane	mg/kg	1	1.1	1.3	107	126	53-150	16	20	
Carbon tetrachloride	mg/kg	1	1.2	1.1	115	115	72-127	.6	20	
Chlorobenzene	mg/kg	1	1.1	1.1	109	108	75-125	.8	20	
Chloroethane	mg/kg	1	1.1	1.1	114	111	36-150	3	20	
Chloroform	mg/kg	1	1.1	1.1	108	105	75-126	2	20	
Chloromethane	mg/kg	1	0.97	0.97	97	97	57-140	.1	20	
cis-1,2-Dichloroethene	mg/kg	1	1.1	1.1	109	110	75-131	2	20	
cis-1,3-Dichloropropene	mg/kg	1	1.1	1.1	115	112	75-125	2	20	
Dibromochloromethane	mg/kg	1	1.1	1.1	111	112	75-125	.8	20	
Dibromomethane	mg/kg	1	1.1	1.1	109	111	75-125	2	20	
Dichlorodifluoromethane	mg/kg	1	0.74	0.80	74	80	30-150	8	20	
Dichlorofluoromethane	mg/kg	1	1.3	1.3	129	128	72-133	.8	20	
Diethyl ether (Ethyl ether)	mg/kg	1	1.1	1.2	110	117	59-150	6	20	
Ethylbenzene	mg/kg	1	1.1	1.1	111	109	75-129	1	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.50	0.51	100	102	69-137	2	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.2	1.2	115	117	75-130	1	20	
Methyl-tert-butyl ether	mg/kg	1	1.1	1.1	109	110	73-128	.9	20	
Methylene Chloride	mg/kg	1	1.2	1.2	122	121	68-128	.2	20	
n-Butylbenzene	mg/kg	1	1.1	1.1	114	112	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.1	1.1	115	113	75-126	2	20	
Naphthalene	mg/kg	1	0.96	0.97	96	97	75-125	2	20	
p-Isopropyltoluene	mg/kg	1	1.0	1.0	104	103	75-125	.9	20	
sec-Butylbenzene	mg/kg	1	1.1	1.1	114	114	75-128	.5	20	
Styrene	mg/kg	1	1.2	1.2	120	116	75-125	3	20	
tert-Butylbenzene	mg/kg	1	1.0	1.0	103	103	75-126	.4	20	
Tetrachloroethene	mg/kg	1	1.1	1.1	109	108	73-132	1	20	
Tetrahydrofuran	mg/kg	10	11.4	11.6	114	116	63-134	2	20	
Toluene	mg/kg	1	1.1	1.1	112	110	74-128	1	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1033200 1033201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	mg/kg	1	1.1	1.1	113	112	75-136	2	20	
trans-1,3-Dichloropropene	mg/kg	1	1.1	1.1	114	113	71-125	1	20	
Trichloroethene	mg/kg	1	1.1	1.1	110	108	75-131	1	20	
Trichlorofluoromethane	mg/kg	1	1.0	1.0	101	101	65-148	.1	20	
Vinyl chloride	mg/kg	1	1.0	1.1	102	110	58-146	7	20	
Xylene (Total)	mg/kg	3	3.5	3.4	116	113	73-129	3	20	
1,2-Dichloroethane-d4 (S)	%				101	99	30-150			
4-Bromofluorobenzene (S)	%				103	101	30-150			
Dibromofluoromethane (S)	%				105	103	30-150			
Toluene-d8 (S)	%				101	100	30-150			

MATRIX SPIKE SAMPLE: 1033576

Parameter	Units	10166256009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.2	1.1	94	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.2	1.1	96	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.2	1.3	107	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.2	1.2	103	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.2	1.2	100	38-150	
1,1-Dichloroethane	mg/kg	ND	1.2	1.1	95	59-139	
1,1-Dichloroethene	mg/kg	ND	1.2	1.1	90	44-150	
1,1-Dichloropropene	mg/kg	ND	1.2	1.2	97	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.2	1.4	114	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.2	1.1	91	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.2	1.4	115	42-141	
1,2,4-Trimethylbenzene	mg/kg	269 ug/kg	1.2	1.1	70	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.2	1.3	113	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.2	1.1	96	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.2	1.2	100	61-129	
1,2-Dichloroethane	mg/kg	ND	1.2	1.1	94	57-137	
1,2-Dichloropropane	mg/kg	ND	1.2	1.1	96	54-136	
1,3,5-Trimethylbenzene	mg/kg	116 ug/kg	1.2	1.1	82	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.2	1.2	99	59-133	
1,3-Dichloropropane	mg/kg	ND	1.2	1.2	97	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.2	1.2	97	56-135	
2,2-Dichloropropane	mg/kg	ND	1.2	1.2	99	30-150	
2-Butanone (MEK)	mg/kg	ND	1.2	1.3	106	43-147	
2-Chlorotoluene	mg/kg	ND	1.2	1.2	101	54-144	
4-Chlorotoluene	mg/kg	ND	1.2	1.2	99	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.2	1.3	107	51-136	
Acetone	mg/kg	ND	3	3.4	115	40-147	
Allyl chloride	mg/kg	ND	1.2	1.2	103	58-136	
Benzene	mg/kg	ND	1.2	1.2	98	53-138	
Bromobenzene	mg/kg	ND	1.2	1.2	99	56-133	
Bromochloromethane	mg/kg	ND	1.2	1.2	104	58-139	
Bromodichloromethane	mg/kg	ND	1.2	1.2	99	59-129	
Bromoform	mg/kg	ND	1.2	1.2	96	36-137	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE SAMPLE: 1033576

Parameter	Units	10166256009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/kg	ND	1.2	1.4	120	30-150	
Carbon tetrachloride	mg/kg	ND	1.2	1.3	106	42-150	
Chlorobenzene	mg/kg	ND	1.2	1.1	95	60-134	
Chloroethane	mg/kg	ND	1.2	1.2	98	30-150	
Chloroform	mg/kg	ND	1.2	1.1	95	59-138	
Chloromethane	mg/kg	ND	1.2	1.0	88	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.2	1.2	101	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.2	1.2	100	55-135	
Dibromochloromethane	mg/kg	ND	1.2	1.1	95	47-136	
Dibromomethane	mg/kg	ND	1.2	1.1	94	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.2	0.91	76	30-150	
Dichlorofluoromethane	mg/kg	ND	1.2	1.5	128	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.2	1.2	104	53-142	
Ethylbenzene	mg/kg	ND	1.2	1.2	97	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.6	0.70	118	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.2	1.3	104	58-140	
Methyl-tert-butyl ether	mg/kg	ND	1.2	1.2	99	56-132	
Methylene Chloride	mg/kg	ND	1.2	1.2	99	48-137	
n-Butylbenzene	mg/kg	ND	1.2	1.3	113	50-150	
n-Propylbenzene	mg/kg	113 ug/kg	1.2	1.3	97	64-142	
Naphthalene	mg/kg	ND	1.2	1.3	111	44-139	
p-Isopropyltoluene	mg/kg	321 ug/kg	1.2	1.4	93	54-145	
sec-Butylbenzene	mg/kg	635 ug/kg	1.2	1.6	80	72-135	
Styrene	mg/kg	ND	1.2	1.2	104	57-135	
tert-Butylbenzene	mg/kg	ND	1.2	1.2	98	58-148	
Tetrachloroethene	mg/kg	ND	1.2	1.1	96	54-141	
Tetrahydrofuran	mg/kg	ND	11.9	12.4	104	52-137	
Toluene	mg/kg	ND	1.2	1.1	96	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.2	1.1	96	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.2	1.2	99	57-130	
Trichloroethene	mg/kg	ND	1.2	1.2	99	51-142	
Trichlorofluoromethane	mg/kg	ND	1.2	1.1	89	50-150	
Vinyl chloride	mg/kg	ND	1.2	1.2	97	55-133	
Xylene (Total)	mg/kg	ND	3.5	3.7	102	52-141	
1,2-Dichloroethane-d4 (S)	%				85	30-150	
4-Bromofluorobenzene (S)	%				97	30-150	
Dibromofluoromethane (S)	%				90	30-150	
Toluene-d8 (S)	%				85	30-150	

SAMPLE DUPLICATE: 1033577

Parameter	Units	10166256021 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1033577

Parameter	Units	10166256021 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1033577

Parameter	Units	10166256021 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	117	172	43		S3
4-Bromofluorobenzene (S)	%	117	179	47		S3
Dibromofluoromethane (S)	%	122	181	43		S3
Toluene-d8 (S)	%	113	166	42		S3

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MSV/17656 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017, 10166284018

METHOD BLANK: 1033406 Matrix: Solid
Associated Lab Samples: 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017, 10166284018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1-Dichloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,1-Dichloroethene	mg/kg	ND	0.050	08/16/11 03:03	
1,1-Dichloropropene	mg/kg	ND	0.050	08/16/11 03:03	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/16/11 03:03	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/16/11 03:03	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/16/11 03:03	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,2-Dichloroethane	mg/kg	ND	0.050	08/16/11 03:03	
1,2-Dichloropropane	mg/kg	ND	0.050	08/16/11 03:03	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
1,3-Dichloropropane	mg/kg	ND	0.050	08/16/11 03:03	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
2,2-Dichloropropane	mg/kg	ND	0.20	08/16/11 03:03	
2-Butanone (MEK)	mg/kg	ND	0.50	08/16/11 03:03	
2-Chlorotoluene	mg/kg	ND	0.050	08/16/11 03:03	
4-Chlorotoluene	mg/kg	ND	0.050	08/16/11 03:03	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/16/11 03:03	
Acetone	mg/kg	ND	0.50	08/16/11 03:03	
Allyl chloride	mg/kg	ND	0.20	08/16/11 03:03	
Benzene	mg/kg	ND	0.020	08/16/11 03:03	
Bromobenzene	mg/kg	ND	0.050	08/16/11 03:03	
Bromochloromethane	mg/kg	ND	0.050	08/16/11 03:03	
Bromodichloromethane	mg/kg	ND	0.050	08/16/11 03:03	
Bromoform	mg/kg	ND	0.20	08/16/11 03:03	
Bromomethane	mg/kg	ND	0.50	08/16/11 03:03	
Carbon tetrachloride	mg/kg	ND	0.050	08/16/11 03:03	
Chlorobenzene	mg/kg	ND	0.050	08/16/11 03:03	
Chloroethane	mg/kg	ND	0.50	08/16/11 03:03	
Chloroform	mg/kg	ND	0.050	08/16/11 03:03	
Chloromethane	mg/kg	ND	0.20	08/16/11 03:03	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/16/11 03:03	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/16/11 03:03	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

METHOD BLANK: 1033406 Matrix: Solid

Associated Lab Samples: 10166284005, 10166284007, 10166284009, 10166284011, 10166284013, 10166284014, 10166284016, 10166284017, 10166284018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	ND	0.050	08/16/11 03:03	
Dibromomethane	mg/kg	ND	0.050	08/16/11 03:03	
Dichlorodifluoromethane	mg/kg	ND	0.050	08/16/11 03:03	
Dichlorofluoromethane	mg/kg	ND	0.50	08/16/11 03:03	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/16/11 03:03	
Ethylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/16/11 03:03	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/16/11 03:03	
m&p-Xylene	ug/kg	ND	100	08/16/11 03:03	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/16/11 03:03	
Methylene Chloride	mg/kg	ND	0.20	08/16/11 03:03	
n-Butylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
n-Propylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
Naphthalene	mg/kg	ND	0.20	08/16/11 03:03	
o-Xylene	ug/kg	ND	50.0	08/16/11 03:03	
p-Isopropyltoluene	mg/kg	ND	0.050	08/16/11 03:03	
sec-Butylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
Styrene	mg/kg	ND	0.050	08/16/11 03:03	
tert-Butylbenzene	mg/kg	ND	0.050	08/16/11 03:03	
Tetrachloroethene	mg/kg	ND	0.050	08/16/11 03:03	
Tetrahydrofuran	mg/kg	ND	2.0	08/16/11 03:03	
Toluene	mg/kg	ND	0.050	08/16/11 03:03	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/16/11 03:03	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/16/11 03:03	
Trichloroethene	mg/kg	ND	0.050	08/16/11 03:03	
Trichlorofluoromethane	mg/kg	ND	0.20	08/16/11 03:03	
Vinyl chloride	mg/kg	ND	0.020	08/16/11 03:03	
Xylene (Total)	mg/kg	ND	0.15	08/16/11 03:03	
1,2-Dichloroethane-d4 (S)	%	101	30-150	08/16/11 03:03	
4-Bromofluorobenzene (S)	%	101	30-150	08/16/11 03:03	
Dibromofluoromethane (S)	%	106	30-150	08/16/11 03:03	
Toluene-d8 (S)	%	98	30-150	08/16/11 03:03	

LABORATORY CONTROL SAMPLE & LCSD: 1033407 1033408

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	1.1	1.0	109	102	75-125	7	20	
1,1,1-Trichloroethane	mg/kg	1	1.0	1.0	104	104	75-126	.8	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.1	1.1	107	106	75-125	.8	20	
1,1,2-Trichloroethane	mg/kg	1	1.1	1.1	110	105	75-125	4	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	1.0	1.1	101	108	62-150	6	20	
1,1-Dichloroethane	mg/kg	1	1.1	1.0	106	102	75-130	4	20	
1,1-Dichloroethene	mg/kg	1	1.0	0.98	101	98	67-142	3	20	
1,1-Dichloropropene	mg/kg	1	1.1	1.1	105	109	73-136	3	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1033407 1033408

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	mg/kg	1	1.0	1.0	103	101	75-125	2	20	
1,2,3-Trichloropropane	mg/kg	1	1.1	0.94	108	94	75-125	13	20	
1,2,4-Trichlorobenzene	mg/kg	1	1.1	1.0	106	101	75-125	5	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.99	0.97	99	97	75-125	3	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	1.0	0.99	105	99	66-125	5	20	
1,2-Dibromoethane (EDB)	mg/kg	1	1.1	1.0	106	104	75-125	2	20	
1,2-Dichlorobenzene	mg/kg	1	1.1	1.1	108	105	75-125	2	20	
1,2-Dichloroethane	mg/kg	1	1.0	0.98	105	98	75-125	7	20	
1,2-Dichloropropane	mg/kg	1	1.1	1.0	109	104	75-126	5	20	
1,3,5-Trimethylbenzene	mg/kg	1	1.0	0.98	100	98	75-125	1	20	
1,3-Dichlorobenzene	mg/kg	1	1.1	1.0	107	103	75-125	4	20	
1,3-Dichloropropane	mg/kg	1	1.1	1.1	113	105	75-125	7	20	
1,4-Dichlorobenzene	mg/kg	1	1.1	0.99	106	99	75-125	7	20	
2,2-Dichloropropane	mg/kg	1	0.90	0.93	90	93	43-137	3	20	
2-Butanone (MEK)	mg/kg	1	0.78	0.78	78	78	63-129	1	20	
2-Chlorotoluene	mg/kg	1	1.1	1.1	112	109	75-125	3	20	
4-Chlorotoluene	mg/kg	1	1.1	1.1	111	108	75-125	3	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.1	1.0	107	101	70-125	6	20	
Acetone	mg/kg	2.5	3.0	2.6	118	105	64-138	12	20	
Allyl chloride	mg/kg	1	1.1	1.0	108	104	73-134	4	20	
Benzene	mg/kg	1	1.1	1.0	107	103	75-125	3	20	
Bromobenzene	mg/kg	1	1.1	1.1	110	109	75-125	1	20	
Bromochloromethane	mg/kg	1	1.1	1.1	114	109	75-129	4	20	
Bromodichloromethane	mg/kg	1	1.1	1.0	109	104	75-125	5	20	
Bromoform	mg/kg	1	1.1	1.0	107	103	62-125	5	20	
Bromomethane	mg/kg	1	1.2	1.5	121	152	53-150	23	20	D6,L0
Carbon tetrachloride	mg/kg	1	1.1	1.2	114	116	72-127	2	20	
Chlorobenzene	mg/kg	1	1.1	1.0	107	101	75-125	5	20	
Chloroethane	mg/kg	1	1.1	1.0	112	103	36-150	8	20	
Chloroform	mg/kg	1	1.0	1.0	105	101	75-126	3	20	
Chloromethane	mg/kg	1	0.94	0.93	94	93	57-140	1	20	
cis-1,2-Dichloroethene	mg/kg	1	1.1	1.0	107	100	75-131	7	20	
cis-1,3-Dichloropropene	mg/kg	1	1.1	1.0	107	105	75-125	3	20	
Dibromochloromethane	mg/kg	1	1.1	1.1	113	107	75-125	5	20	
Dibromomethane	mg/kg	1	1.1	1.0	109	101	75-125	8	20	
Dichlorodifluoromethane	mg/kg	1	0.76	0.78	76	78	30-150	2	20	
Dichlorofluoromethane	mg/kg	1	1.3	1.5	127	145	72-133	13	20	L0
Diethyl ether (Ethyl ether)	mg/kg	1	1.1	0.99	106	99	59-150	7	20	
Ethylbenzene	mg/kg	1	1.1	1.1	110	106	75-129	4	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.47	0.49	95	99	69-137	4	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.1	1.1	115	113	75-130	1	20	
m&p-Xylene	ug/kg	2000	2250	2180	112	109	73-129	3	20	
Methyl-tert-butyl ether	mg/kg	1	1.1	1.0	106	102	73-128	4	20	
Methylene Chloride	mg/kg	1	1.1	1.0	111	103	68-128	7	20	
n-Butylbenzene	mg/kg	1	1.1	1.1	109	110	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.1	1.1	112	112	75-126	.5	20	
Naphthalene	mg/kg	1	0.94	0.89	94	89	75-125	5	20	
o-Xylene	ug/kg	1000	1140	1070	114	107	72-129	6	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE & LCSD: 1033407 1033408

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
p-Isopropyltoluene	mg/kg	1	1.0	1.0	100	100	75-125	.2	20	
sec-Butylbenzene	mg/kg	1	1.1	1.1	112	112	75-128	.2	20	
Styrene	mg/kg	1	1.1	1.1	114	109	75-125	4	20	
tert-Butylbenzene	mg/kg	1	1.0	1.0	102	103	75-126	1	20	
Tetrachloroethene	mg/kg	1	1.1	1.1	108	109	73-132	1	20	
Tetrahydrofuran	mg/kg	10	10.6	10.2	106	102	63-134	4	20	
Toluene	mg/kg	1	1.1	1.1	108	106	74-128	1	20	
trans-1,2-Dichloroethene	mg/kg	1	1.1	1.0	109	105	75-136	5	20	
trans-1,3-Dichloropropene	mg/kg	1	1.1	1.0	110	104	71-125	6	20	
Trichloroethene	mg/kg	1	1.1	1.0	110	103	75-131	6	20	
Trichlorofluoromethane	mg/kg	1	1.0	1.0	101	104	65-148	3	20	
Vinyl chloride	mg/kg	1	1.0	1.1	104	106	58-146	1	20	
Xylene (Total)	mg/kg	3	3.4	3.2	113	108	73-129	4	20	
1,2-Dichloroethane-d4 (S)	%				94	99	30-150			
4-Bromofluorobenzene (S)	%				98	109	30-150			
Dibromofluoromethane (S)	%				97	106	30-150			
Toluene-d8 (S)	%				97	108	30-150			

MATRIX SPIKE SAMPLE: 1033409

Parameter	Units	10166284009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	96	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.1	1.1	95	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	99	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.1	1.1	97	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.1	1.1	102	38-150	
1,1-Dichloroethane	mg/kg	ND	1.1	1.0	93	59-139	
1,1-Dichloroethene	mg/kg	ND	1.1	1.0	91	44-150	
1,1-Dichloropropene	mg/kg	ND	1.1	1.1	95	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.1	1.1	95	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.1	1.0	91	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.1	1.1	94	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.1	0.99	89	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.1	1.0	94	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.1	1.0	93	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.1	1.1	95	61-129	
1,2-Dichloroethane	mg/kg	ND	1.1	1.0	90	57-137	
1,2-Dichloropropane	mg/kg	ND	1.1	1.1	97	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.1	0.99	89	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.1	1.1	97	59-133	
1,3-Dichloropropane	mg/kg	ND	1.1	1.1	97	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.1	1.0	92	56-135	
2,2-Dichloropropane	mg/kg	ND	1.1	0.91	81	30-150	
2-Butanone (MEK)	mg/kg	ND	1.1	0.78	70	43-147	
2-Chlorotoluene	mg/kg	ND	1.1	1.1	99	54-144	
4-Chlorotoluene	mg/kg	ND	1.1	1.1	96	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.1	1.0	91	51-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE SAMPLE: 1033409

Parameter	Units	10166284009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	mg/kg	ND	2.7	2.7	98	40-147	
Allyl chloride	mg/kg	ND	1.1	1.1	98	58-136	
Benzene	mg/kg	ND	1.1	1.1	95	53-138	
Bromobenzene	mg/kg	ND	1.1	1.1	98	56-133	
Bromochloromethane	mg/kg	ND	1.1	1.1	100	58-139	
Bromodichloromethane	mg/kg	ND	1.1	1.0	93	59-129	
Bromoform	mg/kg	ND	1.1	1.1	98	36-137	
Bromomethane	mg/kg	ND	1.1	1.3	112	30-150	
Carbon tetrachloride	mg/kg	ND	1.1	1.2	104	42-150	
Chlorobenzene	mg/kg	ND	1.1	1.0	93	60-134	
Chloroethane	mg/kg	ND	1.1	1.1	96	30-150	
Chloroform	mg/kg	ND	1.1	1.1	95	59-138	
Chloromethane	mg/kg	ND	1.1	0.96	86	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.1	1.1	95	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	95	55-135	
Dibromochloromethane	mg/kg	ND	1.1	1.1	100	47-136	
Dibromomethane	mg/kg	ND	1.1	1.1	94	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.1	0.86	77	30-150	
Dichlorofluoromethane	mg/kg	ND	1.1	1.3	120	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.1	1.1	96	53-142	
Ethylbenzene	mg/kg	ND	1.1	1.1	96	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.56	0.49	88	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.1	1.1	102	58-140	
m&p-Xylene	ug/kg	ND	2230	2220	99	37-150	
Methyl-tert-butyl ether	mg/kg	ND	1.1	1.1	95	56-132	
Methylene Chloride	mg/kg	ND	1.1	1.1	85	48-137	
n-Butylbenzene	mg/kg	ND	1.1	1.1	100	50-150	
n-Propylbenzene	mg/kg	ND	1.1	1.1	101	64-142	
Naphthalene	mg/kg	ND	1.1	0.96	86	44-139	
o-Xylene	ug/kg	ND	1120	1120	100	56-133	
p-Isopropyltoluene	mg/kg	ND	1.1	1.0	92	54-145	
sec-Butylbenzene	mg/kg	ND	1.1	1.1	101	72-135	
Styrene	mg/kg	ND	1.1	1.1	100	57-135	
tert-Butylbenzene	mg/kg	ND	1.1	1.0	92	58-148	
Tetrachloroethene	mg/kg	ND	1.1	1.1	99	54-141	
Tetrahydrofuran	mg/kg	ND	11.2	10.7	95	52-137	
Toluene	mg/kg	ND	1.1	1.1	97	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.1	1.0	94	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	96	57-130	
Trichloroethene	mg/kg	ND	1.1	1.1	98	51-142	
Trichlorofluoromethane	mg/kg	ND	1.1	1.1	95	50-150	
Vinyl chloride	mg/kg	ND	1.1	1.1	96	55-133	
Xylene (Total)	mg/kg	ND	3.3	3.3	100	52-141	
1,2-Dichloroethane-d4 (S)	%				79	30-150	
4-Bromofluorobenzene (S)	%				82	30-150	
Dibromofluoromethane (S)	%				83	30-150	
Toluene-d8 (S)	%				83	30-150	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1033410

Parameter	Units	10166284011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1033410

Parameter	Units	10166284011 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	.18J		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	99	6		
4-Bromofluorobenzene (S)	%	107	100	7		
Dibromofluoromethane (S)	%	112	105	7		
Toluene-d8 (S)	%	103	97	7		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: MSV/17666 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

METHOD BLANK: 1033547 Matrix: Water
Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloropropene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichloropropane	ug/L	ND	1.0	08/15/11 21:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
2,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
2-Butanone (MEK)	ug/L	ND	4.0	08/15/11 21:05	
2-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/15/11 21:05	
Acetone	ug/L	ND	25.0	08/15/11 21:05	CL
Allyl chloride	ug/L	ND	4.0	08/15/11 21:05	
Benzene	ug/L	ND	1.0	08/15/11 21:05	
Bromobenzene	ug/L	ND	1.0	08/15/11 21:05	
Bromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromodichloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromoform	ug/L	ND	4.0	08/15/11 21:05	
Bromomethane	ug/L	ND	4.0	08/15/11 21:05	
Carbon tetrachloride	ug/L	ND	1.0	08/15/11 21:05	
Chlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
Chloroethane	ug/L	ND	1.0	08/15/11 21:05	
Chloroform	ug/L	ND	1.0	08/15/11 21:05	
Chloromethane	ug/L	ND	4.0	08/15/11 21:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Dibromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Dibromomethane	ug/L	ND	4.0	08/15/11 21:05	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

METHOD BLANK: 1033547 Matrix: Water

Associated Lab Samples: 10166284006, 10166284008, 10166284010, 10166284012, 10166284015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Dichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/15/11 21:05	
Ethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/15/11 21:05	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/15/11 21:05	
m&p-Xylene	ug/L	ND	2.0	08/15/11 21:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/15/11 21:05	
Methylene Chloride	ug/L	ND	4.0	08/15/11 21:05	
n-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
n-Propylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Naphthalene	ug/L	ND	4.0	08/15/11 21:05	
o-Xylene	ug/L	ND	1.0	08/15/11 21:05	
p-Isopropyltoluene	ug/L	ND	1.0	08/15/11 21:05	
sec-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Styrene	ug/L	ND	1.0	08/15/11 21:05	
tert-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Tetrachloroethene	ug/L	ND	1.0	08/15/11 21:05	
Tetrahydrofuran	ug/L	ND	10.0	08/15/11 21:05	
Toluene	ug/L	ND	1.0	08/15/11 21:05	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/15/11 21:05	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Trichloroethene	ug/L	ND	1.0	08/15/11 21:05	
Trichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Vinyl chloride	ug/L	ND	0.40	08/15/11 21:05	
Xylene (Total)	ug/L	ND	3.0	08/15/11 21:05	
1,2-Dichloroethane-d4 (S)	%	100	75-125	08/15/11 21:05	
4-Bromofluorobenzene (S)	%	99	75-125	08/15/11 21:05	
Dibromofluoromethane (S)	%	102	75-125	08/15/11 21:05	
Toluene-d8 (S)	%	99	75-125	08/15/11 21:05	

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	75-125	
1,1,1-Trichloroethane	ug/L	50	51.7	103	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	47.3	95	75-125	
1,1,2-Trichloroethane	ug/L	50	50.1	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.9	90	75-126	
1,1-Dichloroethane	ug/L	50	51.2	102	75-125	
1,1-Dichloroethene	ug/L	50	51.6	103	75-125	
1,1-Dichloropropene	ug/L	50	51.1	102	75-125	
1,2,3-Trichlorobenzene	ug/L	50	49.7	99	68-128	
1,2,3-Trichloropropane	ug/L	50	48.9	98	75-125	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.4	99	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	75-125	
1,2-Dichlorobenzene	ug/L	50	49.2	98	75-125	
1,2-Dichloroethane	ug/L	50	51.1	102	71-125	
1,2-Dichloropropane	ug/L	50	51.1	102	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.3	99	75-125	
1,3-Dichlorobenzene	ug/L	50	48.5	97	75-125	
1,3-Dichloropropane	ug/L	50	48.5	97	75-125	
1,4-Dichlorobenzene	ug/L	50	48.1	96	75-125	
2,2-Dichloropropane	ug/L	50	46.0	92	69-132	
2-Butanone (MEK)	ug/L	50	43.2	86	56-137	
2-Chlorotoluene	ug/L	50	48.0	96	75-125	
4-Chlorotoluene	ug/L	50	49.2	98	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.4	99	67-125	
Acetone	ug/L	125	65.6	52	41-130	CL
Allyl chloride	ug/L	50	51.8	104	59-130	
Benzene	ug/L	50	51.1	102	75-125	
Bromobenzene	ug/L	50	48.6	97	75-125	
Bromochloromethane	ug/L	50	55.0	110	75-125	
Bromodichloromethane	ug/L	50	51.3	103	75-125	
Bromoform	ug/L	50	49.7	99	75-125	
Bromomethane	ug/L	50	40.9	82	45-138	
Carbon tetrachloride	ug/L	50	50.9	102	75-125	
Chlorobenzene	ug/L	50	49.4	99	75-125	
Chloroethane	ug/L	50	54.9	110	72-125	
Chloroform	ug/L	50	50.7	101	75-125	
Chloromethane	ug/L	50	51.1	102	65-125	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	75-125	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	75-125	
Dibromochloromethane	ug/L	50	49.1	98	75-125	
Dibromomethane	ug/L	50	51.5	103	75-125	
Dichlorodifluoromethane	ug/L	50	49.6	99	55-143	
Dichlorofluoromethane	ug/L	50	51.2	102	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	51.1	102	75-125	
Ethylbenzene	ug/L	50	48.9	98	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.1	96	69-132	
Isopropylbenzene (Cumene)	ug/L	50	50.3	101	75-125	
m&p-Xylene	ug/L	100	99.6	100	75-125	
Methyl-tert-butyl ether	ug/L	50	50.7	101	75-125	
Methylene Chloride	ug/L	50	50.7	101	75-125	
n-Butylbenzene	ug/L	50	48.9	98	75-125	
n-Propylbenzene	ug/L	50	48.5	97	75-125	
Naphthalene	ug/L	50	51.0	102	74-129	
o-Xylene	ug/L	50	49.9	100	75-125	
p-Isopropyltoluene	ug/L	50	50.0	100	75-125	
sec-Butylbenzene	ug/L	50	49.5	99	75-125	
Styrene	ug/L	50	49.8	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	49.5	99	75-125	
Tetrachloroethene	ug/L	50	49.3	99	75-125	
Tetrahydrofuran	ug/L	500	505	101	64-128	
Toluene	ug/L	50	47.8	96	75-125	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	75-125	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	75-125	
Trichloroethene	ug/L	50	52.2	104	75-125	
Trichlorofluoromethane	ug/L	50	50.9	102	75-125	
Vinyl chloride	ug/L	50	56.4	113	74-125	
Xylene (Total)	ug/L	150	150	100	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.2	98	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.0	102	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	44.7	89	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	48.1	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	57.8	116	75-150	
1,1-Dichloroethane	ug/L	ND	50	48.5	97	75-125	
1,1-Dichloroethene	ug/L	ND	50	51.7	103	75-134	
1,1-Dichloropropene	ug/L	ND	50	52.9	106	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	49.0	98	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	46.2	92	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.9	98	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	48.8	98	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	48.0	96	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	47.9	96	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.4	99	75-125	
1,2-Dichloroethane	ug/L	ND	50	50.5	101	69-129	
1,2-Dichloropropane	ug/L	ND	50	49.2	98	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	48.1	96	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichloropropane	ug/L	ND	50	46.7	93	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	75-125	
2,2-Dichloropropane	ug/L	ND	50	46.5	93	69-141	
2-Butanone (MEK)	ug/L	ND	50	42.3	85	42-137	
2-Chlorotoluene	ug/L	ND	50	48.4	97	68-147	
4-Chlorotoluene	ug/L	ND	50	50.3	101	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	48.0	96	57-126	
Acetone	ug/L	ND	125	62.9	50	34-130	CL
Allyl chloride	ug/L	ND	50	47.3	95	53-140	
Benzene	ug/L	ND	50	52.9	106	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	49.1	98	75-125	
Bromochloromethane	ug/L	ND	50	54.7	109	75-125	
Bromodichloromethane	ug/L	ND	50	50.5	101	75-125	
Bromoform	ug/L	ND	50	49.3	99	75-125	
Bromomethane	ug/L	ND	50	38.5	77	41-150	
Carbon tetrachloride	ug/L	ND	50	55.1	110	75-135	
Chlorobenzene	ug/L	ND	50	50.6	101	75-125	
Chloroethane	ug/L	ND	50	55.6	111	71-139	
Chloroform	ug/L	ND	50	53.2	106	75-125	
Chloromethane	ug/L	ND	50	48.3	97	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	48.7	97	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	49.3	99	75-125	
Dibromochloromethane	ug/L	ND	50	48.3	97	75-125	
Dibromomethane	ug/L	ND	50	51.1	102	75-125	
Dichlorodifluoromethane	ug/L	ND	50	61.2	122	55-150	
Dichlorofluoromethane	ug/L	ND	50	51.7	103	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.5	97	75-125	
Ethylbenzene	ug/L	ND	50	49.6	99	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	24.2	97	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.3	99	75-125	
m&p-Xylene	ug/L	ND	100	99.6	100	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	49.8	100	75-125	
Methylene Chloride	ug/L	ND	50	53.1	102	75-125	
n-Butylbenzene	ug/L	ND	50	48.2	96	75-141	
n-Propylbenzene	ug/L	ND	50	49.5	99	75-132	
Naphthalene	ug/L	ND	50	49.5	99	74-138	
o-Xylene	ug/L	ND	50	49.4	99	75-128	
p-Isopropyltoluene	ug/L	ND	50	49.7	99	75-133	
sec-Butylbenzene	ug/L	ND	50	50.0	100	75-136	
Styrene	ug/L	ND	50	45.5	91	72-125	
tert-Butylbenzene	ug/L	ND	50	50.0	100	75-132	
Tetrachloroethene	ug/L	ND	50	50.6	99	75-126	
Tetrahydrofuran	ug/L	ND	500	490	98	64-128	
Toluene	ug/L	ND	50	49.5	99	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	49.6	99	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	48.9	98	75-125	
Trichloroethene	ug/L	ND	50	51.7	103	75-125	
Trichlorofluoromethane	ug/L	ND	50	56.1	112	75-150	
Vinyl chloride	ug/L	ND	50	54.5	109	74-142	
Xylene (Total)	ug/L	ND	150	149	99	73-132	
1,2-Dichloroethane-d4 (S)	%				97	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	CL
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	100	1		
4-Bromofluorobenzene (S)	%	98	98	.09		
Dibromofluoromethane (S)	%	103	103	.3		
Toluene-d8 (S)	%	98	98	.2		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166284

QC Batch: WETA/17304 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 10166284002, 10166284003, 10166284004

METHOD BLANK: 861105 Matrix: Solid
Associated Lab Samples: 10166284002, 10166284003, 10166284004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.15	08/17/11 19:15	

LABORATORY CONTROL SAMPLE: 861106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3.1	3.1	99	80-120	

MATRIX SPIKE SAMPLE: 861107

Parameter	Units	10166204003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	ND	4.09	2.9	69	30-116	

SAMPLE DUPLICATE: 861108

Parameter	Units	10166204005 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/kg	0.19	ND		25	

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166284

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSSV/6994

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

C0	Result confirmed by second analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166284

ANALYTE QUALIFIERS

T6	High boiling point hydrocarbons are present in the sample.
Z3	Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166284001	GP-15-04	EPA 3550	OEXT/16330	EPA 8082	GCSV/8476
10166284001	GP-15-04	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166284009	GP-19-5	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166284011	GP-20-6	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166284016	GP-22-4	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166284017	GP-22-16	WI MOD DRO	OEXT/16328	WI MOD DRO	GCSV/8469
10166284016	GP-22-4	WI MOD DRO	OEXT/16678	WI MOD DRO	GCSV/8597
10166284008	GP-18-3W	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166284012	GP-20-6W	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166284015	GP-21-8W	WI MOD DRO	OEXT/16314	WI MOD DRO	GCSV/8471
10166284001	GP-15-04	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284009	GP-19-5	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284011	GP-20-6	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284016	GP-22-4	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284017	GP-22-16	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284018	Trip Blank	TPH GRO/PVOC WI ext.	GCV/8296	WI MOD GRO	GCV/8297
10166284008	GP-18-3W	WI MOD GRO	GCV/8305		
10166284012	GP-20-6W	WI MOD GRO	GCV/8298		
10166284015	GP-21-8W	WI MOD GRO	GCV/8298		
10166284001	GP-15-04	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284002	GP-16-8	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284003	GP-16-16	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284004	GP-17-4	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284009	GP-19-5	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284011	GP-20-6	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284013	GP-21-8	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284014	GP-21-12	EPA 3050	MPRP/27716	EPA 6010	ICP/11753
10166284016	GP-22-4	EPA 3050	MPRP/27717	EPA 6010	ICP/11752
10166284017	GP-22-16	EPA 3050	MPRP/27717	EPA 6010	ICP/11752
10166284008	GP-18-3W	EPA 3010	MPRP/27731	EPA 6010	ICP/11744
10166284012	GP-20-6W	EPA 3010	MPRP/27731	EPA 6010	ICP/11744
10166284008	GP-18-3W	EPA 7470	MERP/5798	EPA 7470	MERC/6594
10166284012	GP-20-6W	EPA 7470	MERP/5798	EPA 7470	MERC/6594
10166284001	GP-15-04	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284002	GP-16-8	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284003	GP-16-16	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284004	GP-17-4	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284009	GP-19-5	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284011	GP-20-6	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284013	GP-21-8	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284014	GP-21-12	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284016	GP-22-4	EPA 7471	MERP/5800	EPA 7471	MERC/6612
10166284017	GP-22-16	EPA 7471	MERP/5800	EPA 7471	MERC/6612

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166284001	GP-15-04	% Moisture	MPRP/27799		
10166284002	GP-16-8	% Moisture	MPRP/27799		
10166284003	GP-16-16	% Moisture	MPRP/27799		
10166284004	GP-17-4	% Moisture	MPRP/27799		
10166284005	GP-17-8	% Moisture	MPRP/27799		
10166284007	GP-18-6	% Moisture	MPRP/27799		
10166284009	GP-19-5	% Moisture	MPRP/27799		
10166284011	GP-20-6	% Moisture	MPRP/27799		
10166284013	GP-21-8	% Moisture	MPRP/27799		
10166284014	GP-21-12	% Moisture	MPRP/27799		
10166284016	GP-22-4	% Moisture	MPRP/27799		
10166284017	GP-22-16	% Moisture	MPRP/27799		
10166284001	GP-15-04	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284002	GP-16-8	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284003	GP-16-16	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284004	GP-17-4	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284005	GP-17-8	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284007	GP-18-6	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284009	GP-19-5	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284011	GP-20-6	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284013	GP-21-8	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284014	GP-21-12	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284016	GP-22-4	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284017	GP-22-16	EPA 3550	OEXT/16347	EPA 8270	MSSV/6992
10166284006	GP-17-20	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166284008	GP-18-3W	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166284010	GP-19-11W	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166284012	GP-20-6W	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166284015	GP-21-8W	EPA 3520	OEXT/16351	EPA 8270	MSSV/6994
10166284001	GP-15-04	EPA 5035/5030B	MSV/17650	EPA 8260	MSV/17651
10166284002	GP-16-8	EPA 5035/5030B	MSV/17650	EPA 8260	MSV/17651
10166284003	GP-16-16	EPA 5035/5030B	MSV/17650	EPA 8260	MSV/17651
10166284004	GP-17-4	EPA 5035/5030B	MSV/17650	EPA 8260	MSV/17651
10166284005	GP-17-8	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284007	GP-18-6	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284009	GP-19-5	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284011	GP-20-6	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284013	GP-21-8	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284014	GP-21-12	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284016	GP-22-4	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284017	GP-22-16	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284018	Trip Blank	EPA 5035/5030B	MSV/17656	EPA 8260	MSV/17657
10166284006	GP-17-20	EPA 8260	MSV/17666		
10166284008	GP-18-3W	EPA 8260	MSV/17666		
10166284010	GP-19-11W	EPA 8260	MSV/17666		
10166284012	GP-20-6W	EPA 8260	MSV/17666		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166284015	**GP-21-8W**	EPA 8260	MSV/17666		
10166284002	**GP-16-8**	SM 4500-CN-E	WETA/17304		
10166284003	**GP-16-16**	SM 4500-CN-E	WETA/17304		
10166284004	**GP-17-4**	SM 4500-CN-E	WETA/17304		

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Report Date: 18-Aug-2011 11:16

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WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G1-22954.d
Lab Smp Id: 10166284009
Inj Date : 18-AUG-2011 07:18
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284009
Misc Info : 8297
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G311-GROsoil229.m
Meth Date : 18-Aug-2011 10:49 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

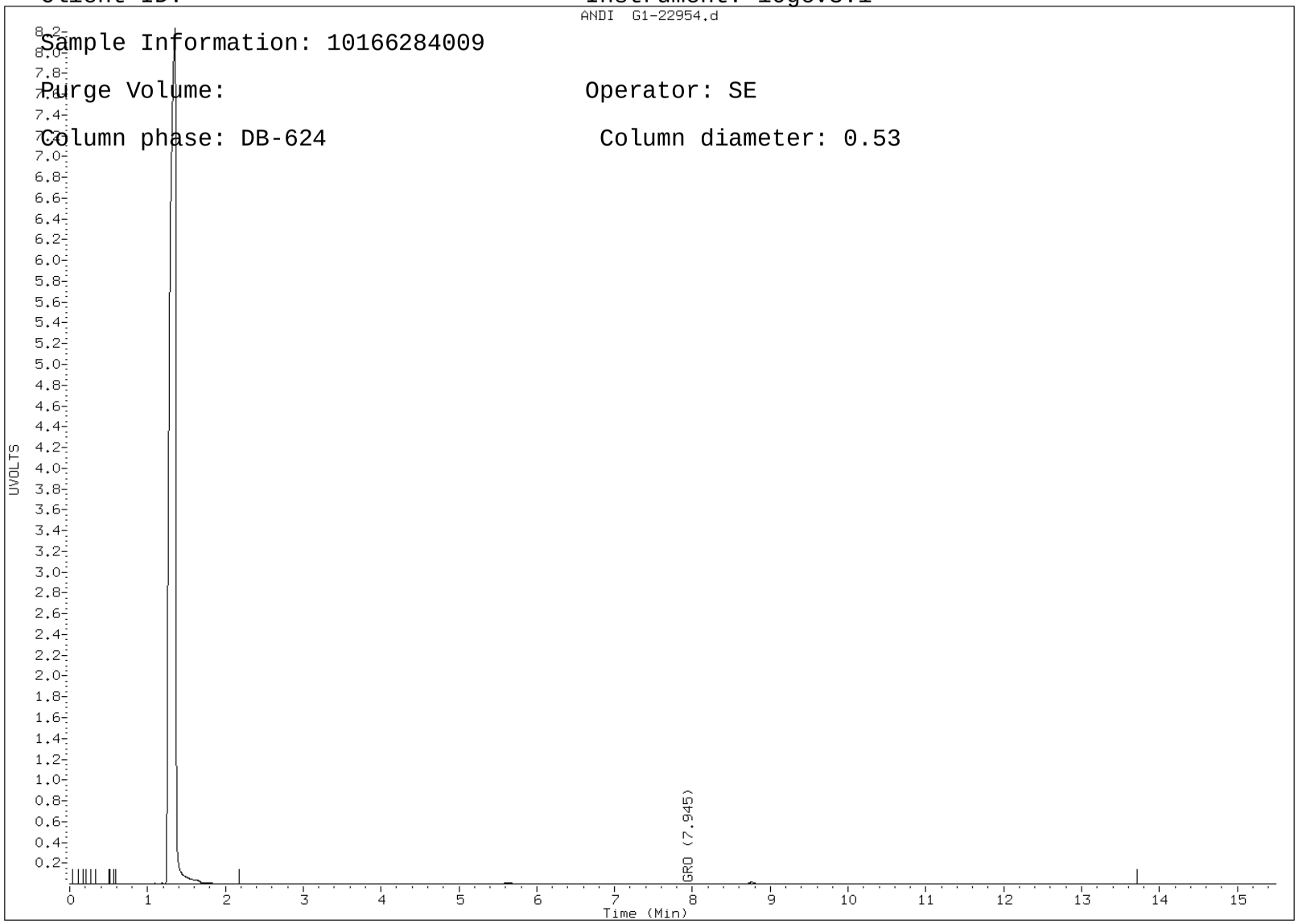
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081711c-2.b/G1-22954.d

Report Date: 08/18/2011

Sample ID: 10166284009

Client ID: Instrument: 10gcv3.i



Sample Information: 10166284009

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 18-Aug-2011 11:16

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G1-22953.d
Lab Smp Id: 10166284001
Inj Date : 18-AUG-2011 06:56
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284001
Misc Info : 8297
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G311-GROsoil229.m
Meth Date : 18-Aug-2011 10:49 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	2.180	-13.710		1983609	22.2759	1.114(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081711c-2.b/G1-22953.d

Report Date: 08/18/2011

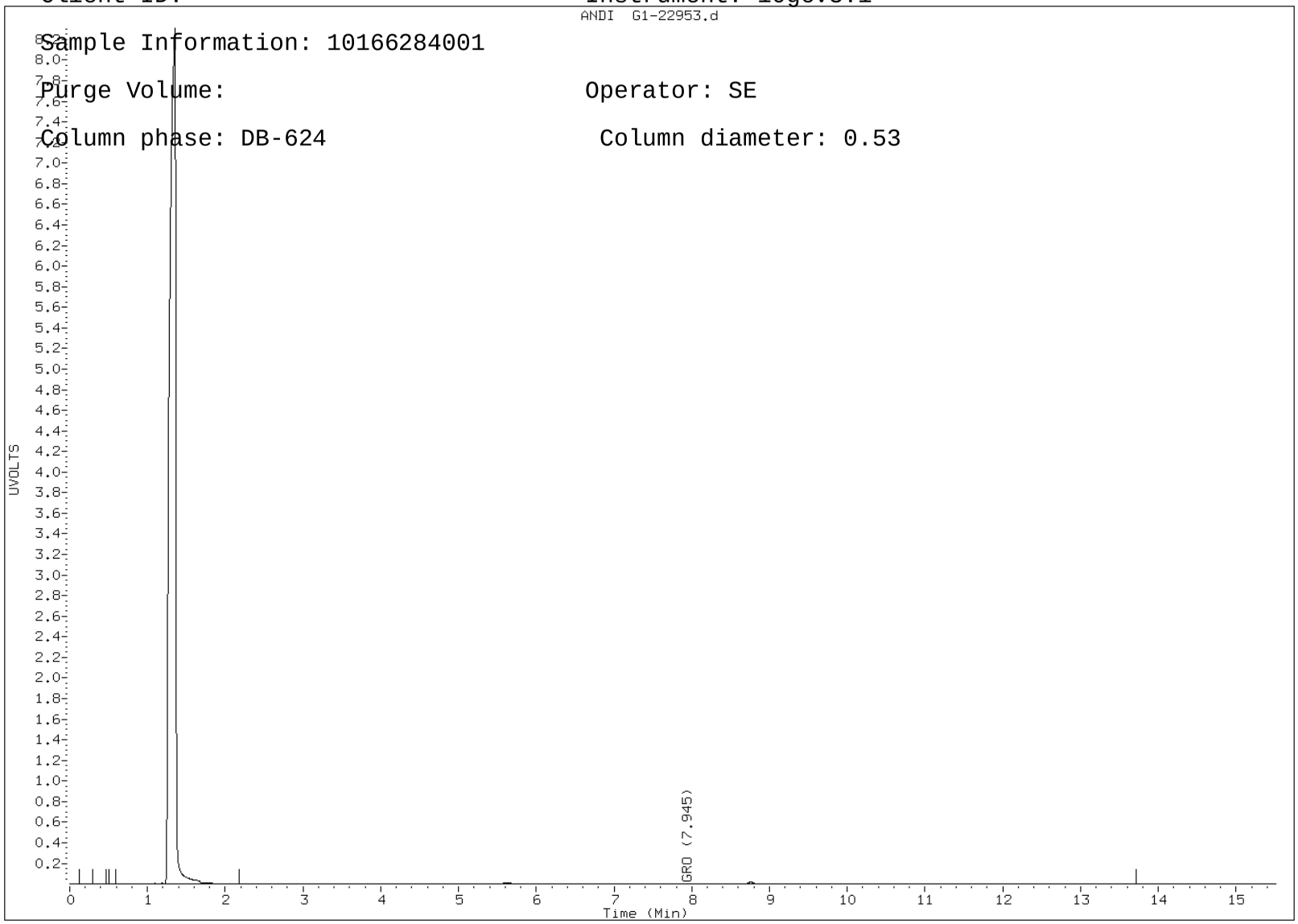
Sample ID: 10166284001

Client ID: Instrument: 10gcv3.i

Sample Information: 10166284001

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 18-Aug-2011 11:16

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G1-22956.d
Lab Smp Id: 10166284016
Inj Date : 18-AUG-2011 08:02
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284016
Misc Info : 8297
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G311-GROsoil229.m
Meth Date : 18-Aug-2011 10:49 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

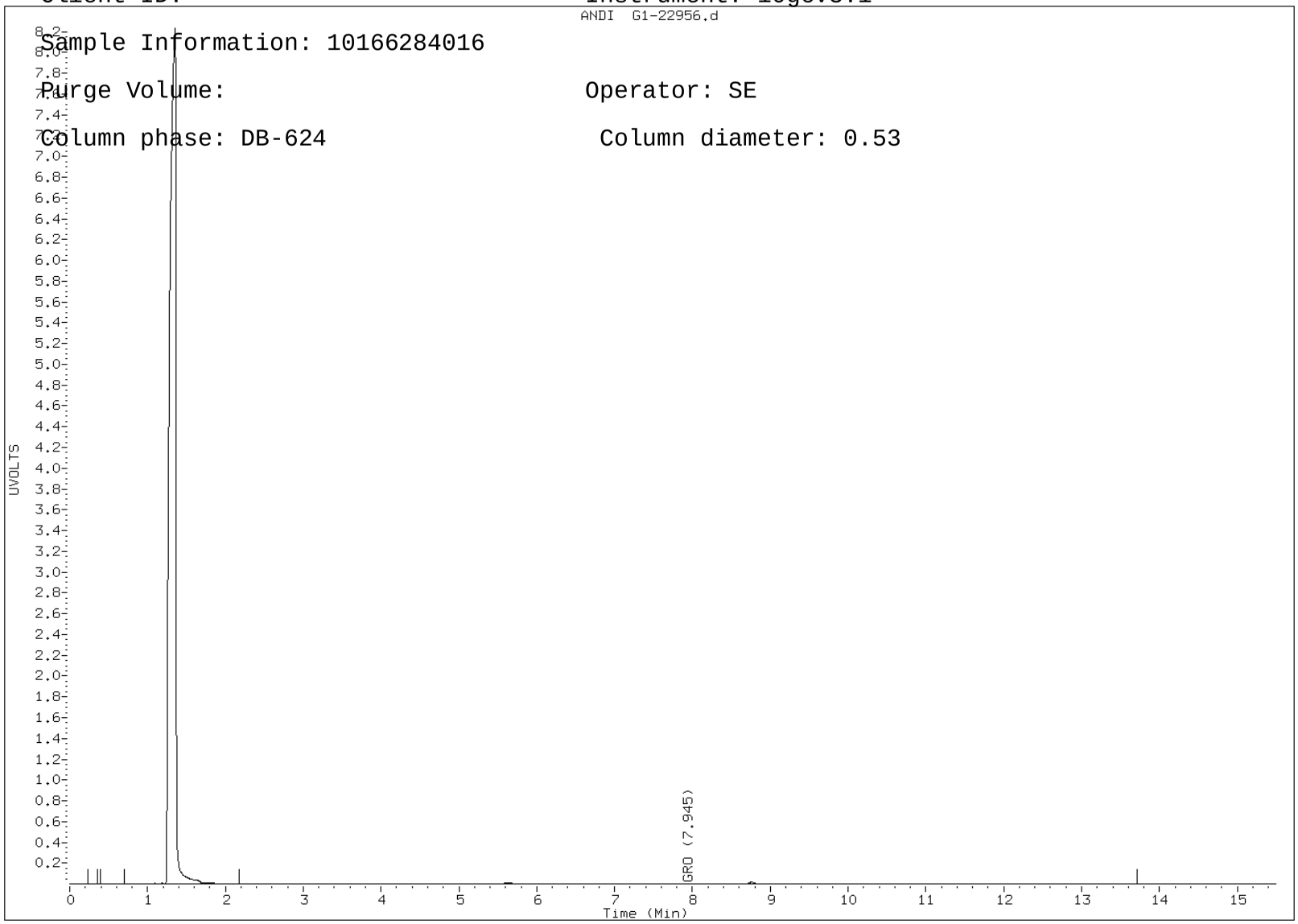
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081711c-2.b/G1-22956.d

Report Date: 08/18/2011

Sample ID: 10166284016

Client ID: Instrument: 10gcv3.i



Sample Information: 10166284016

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 18-Aug-2011 11:16

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G1-22957.d
Lab Smp Id: 10166284017
Inj Date : 18-AUG-2011 08:23
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284017
Misc Info : 8297
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081711c-2.b\G311-GROsoil229.m
Meth Date : 18-Aug-2011 10:49 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

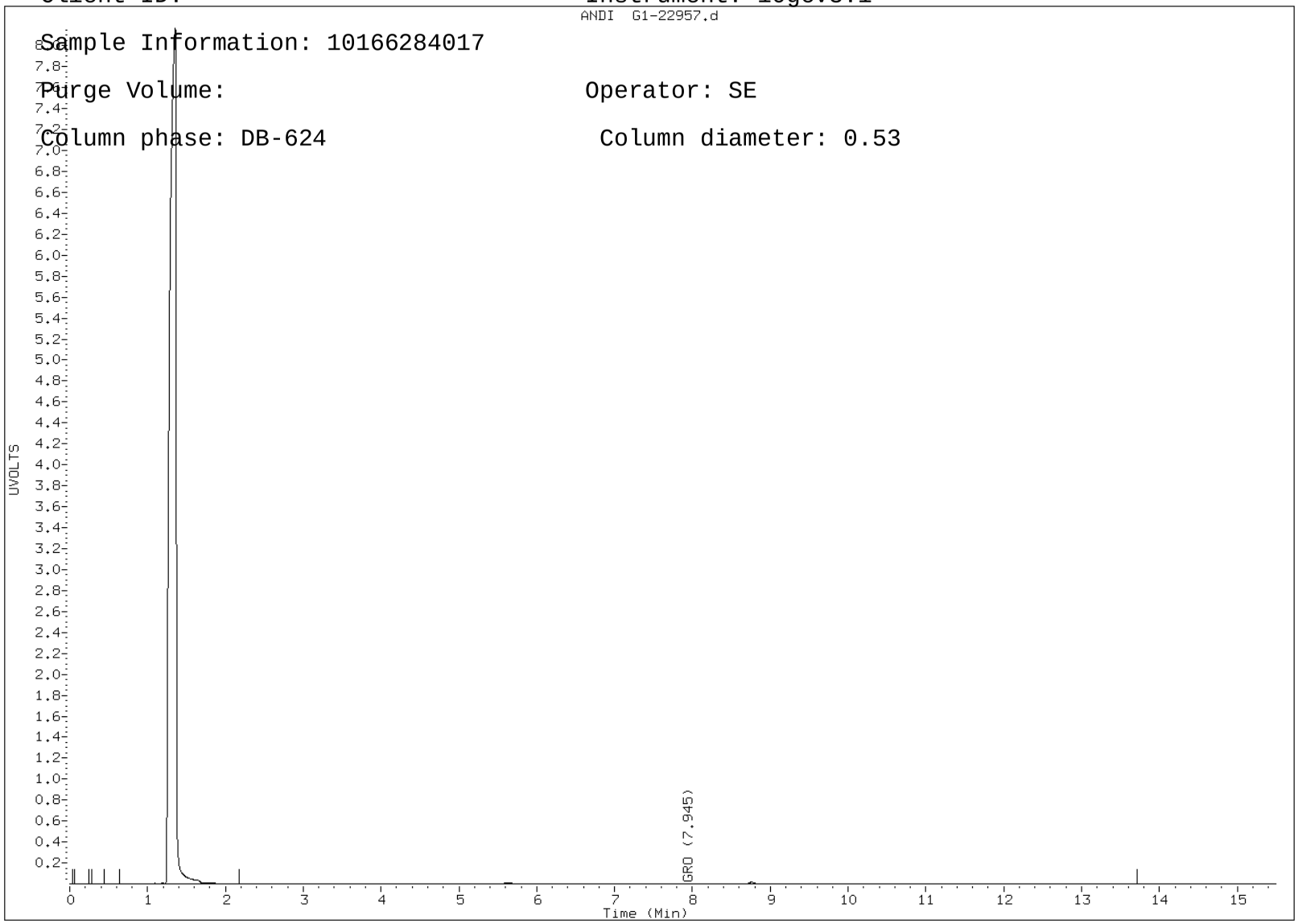
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081711c-2.b/G1-22957.d

Report Date: 08/18/2011

Sample ID: 10166284017

Client ID: Instrument: 10gcv3.i



Sample Information: 10166284017

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 18-Aug-2011 07:32

Pace Analytical Services, Inc.

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081711a-2.b\G1-22912.d
Lab Smp Id: 10166284008
Inj Date : 17-AUG-2011 15:39
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284008,2X
Misc Info : 8305
Comment   : Modified WIGRO
Method   : \\192.168.10.12\chem\10gcv3.i\081711a-2.b\g311-wigro-218.m
Meth Date : 18-Aug-2011 06:56 sellefson Quant Type: ESTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 2.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

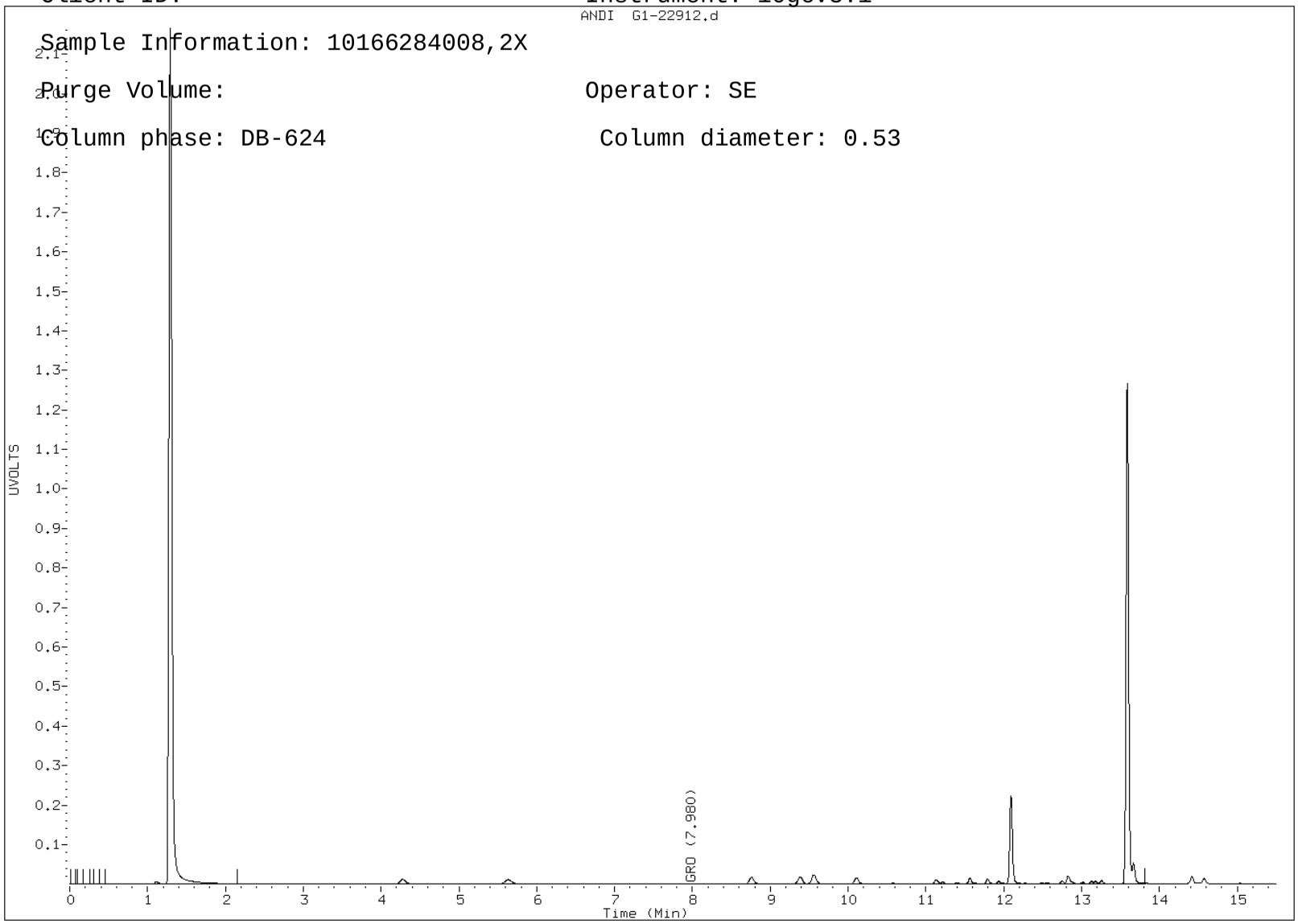
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
S 5 GRO	2.150	-13.810		21780892	2117.09	4234

Data File: \\192.168.10.12\chem\10gcv3.i\081711a-2.b/G1-22912.d

Report Date: 08/18/2011

Sample ID: 10166284008

Client ID: Instrument: 10gcv3.i



Sample Information: 10166284008,2X

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 17-Aug-2011 16:58

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0019.D
Lab Smp Id: 10166284008
Inj Date : 17-AUG-2011 16:48
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166284008,5
Misc Info : 8471
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 17-Aug-2011 15:19 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 14
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		267950654	2037.67	10.2
$	5 n-Triacontane (S)	2.711	2.729	-0.018	946981	9.37149	0.0468(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0019.D

Report Date: 08/17/2011

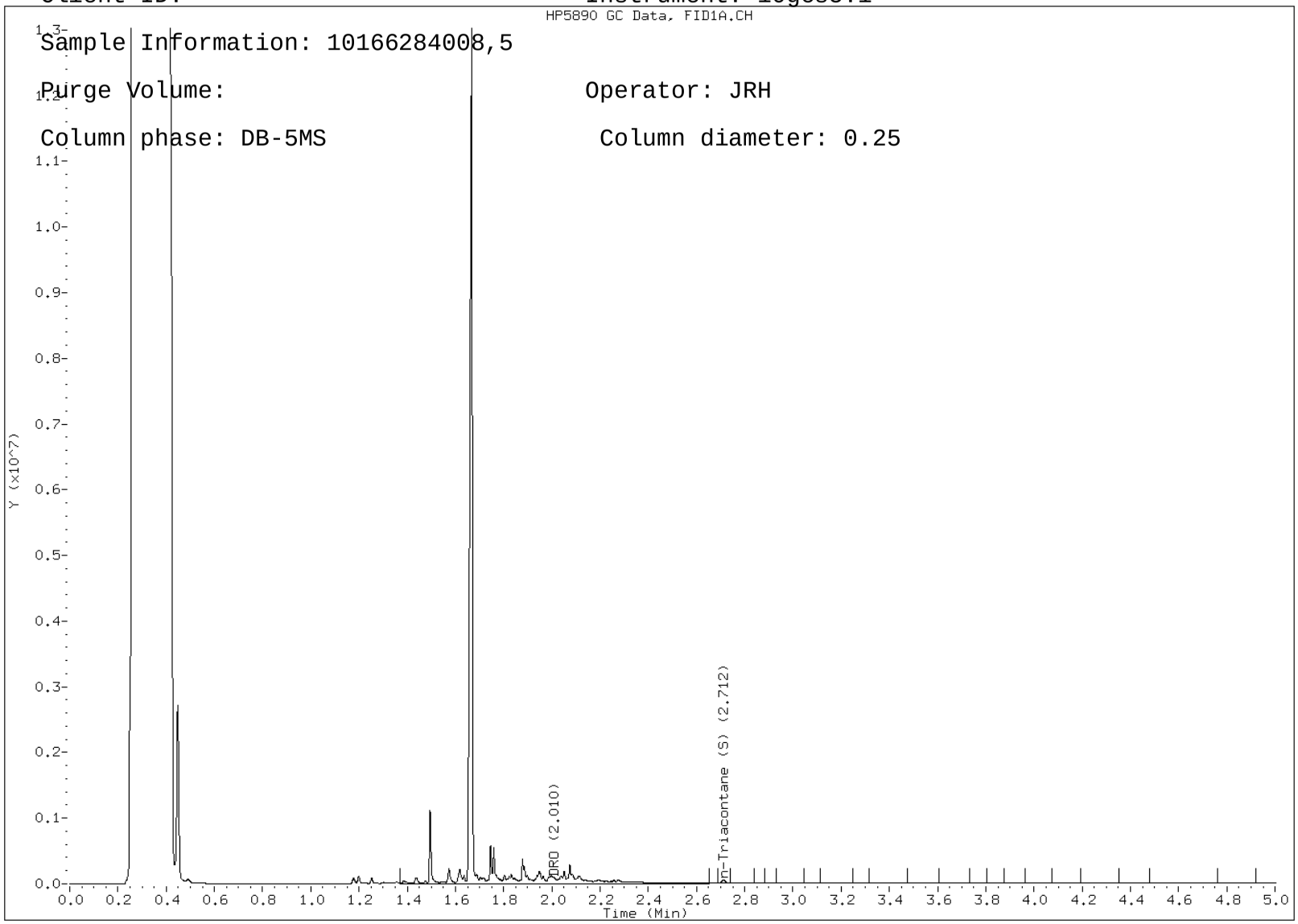
Sample ID: 10166284008

Client ID: Instrument: 10gcs5.i

Sample Information: 10166284008,5

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 17-Aug-2011 16:35

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0013.D
Lab Smp Id: 10166284012
Inj Date : 17-AUG-2011 16:02
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166284012
Misc Info : 8471
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 17-Aug-2011 15:19 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		10426209	57.0423	0.0570
$	5 n-Triacontane (S)	2.716	2.729	-0.013	5008588	53.6184	0.0536(M)

QC Flag Legend

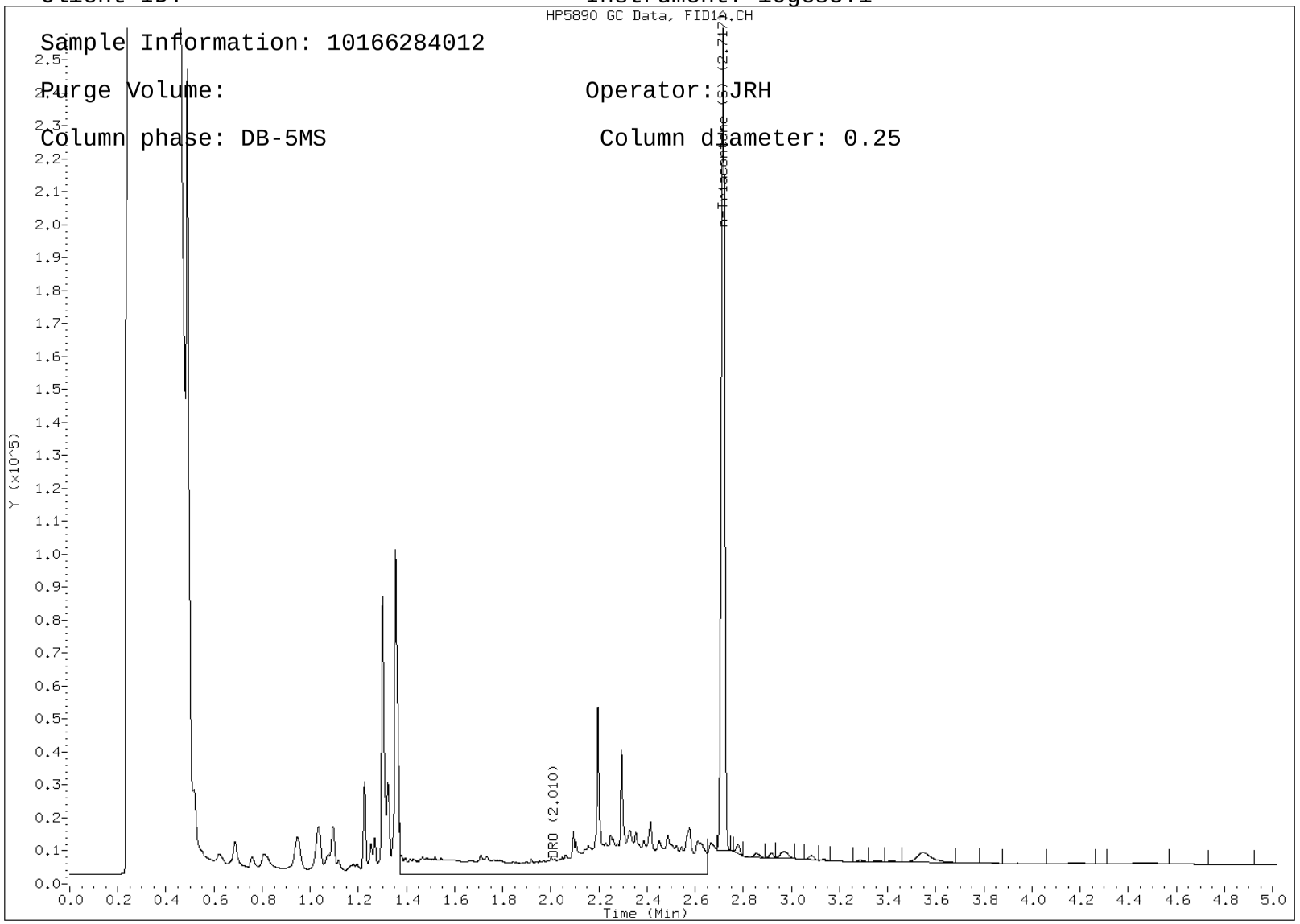
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0013.D

Report Date: 08/17/2011

Sample ID: 10166284012

Client ID: Instrument: 10gcs5.i



Sample Information: 10166284012

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 17-Aug-2011 16:33

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0014.D
Lab Smp Id: 10166284015
Inj Date : 17-AUG-2011 16:10
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166284015
Misc Info : 8471
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 17-Aug-2011 15:19 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		18881141	122.069	0.122
$	5 n-Triacontane (S)	2.715	2.729	-0.014	4561422	48.7470	0.0487(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0014.D

Report Date: 08/17/2011

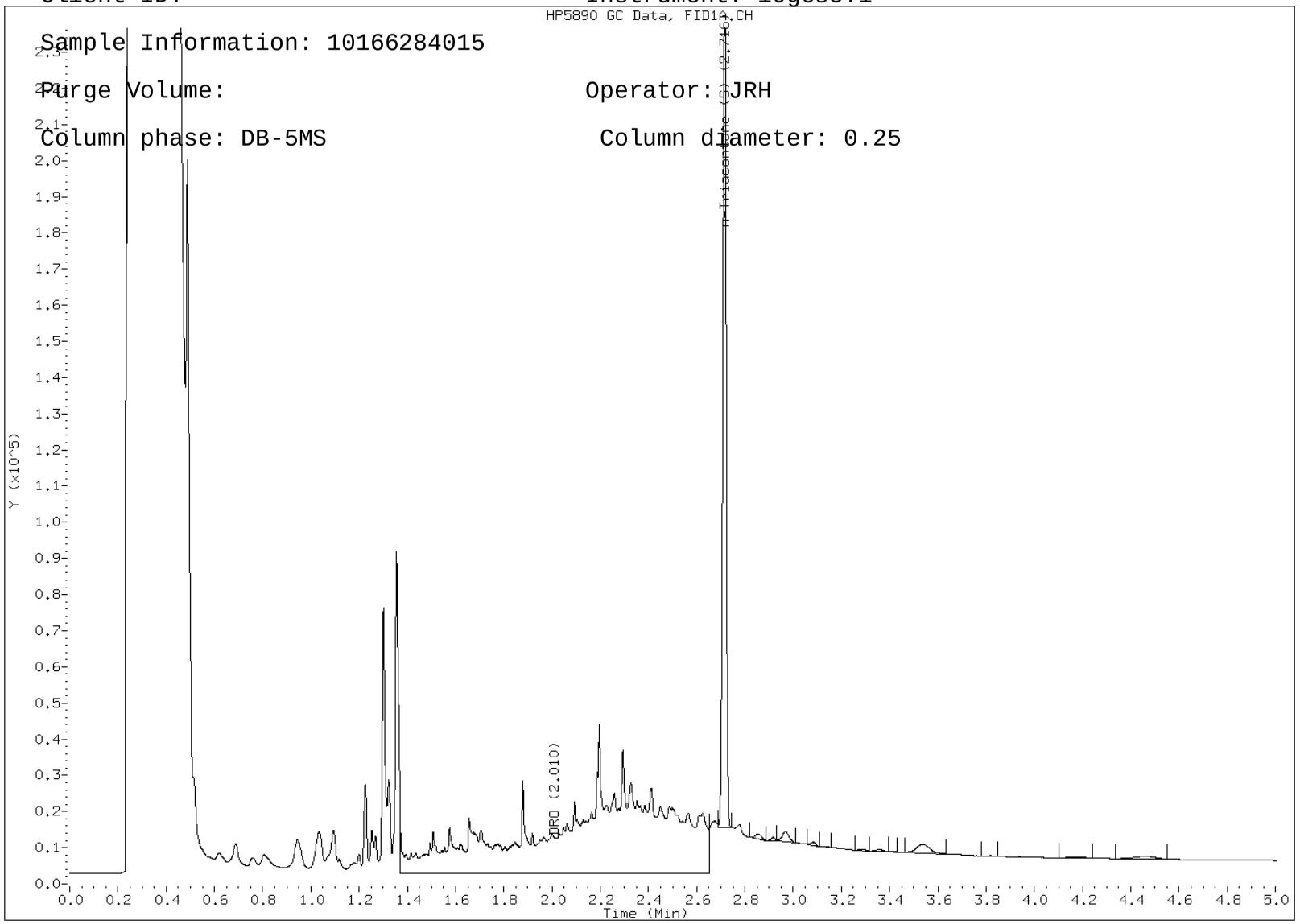
Sample ID: 10166284015

Client ID: Instrument: 10gcs5.i

Sample Information: 10166284015

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23039.d
Lab Smp Id: 10166284011
Inj Date : 19-AUG-2011 01:32
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166284011,RR
Misc Info : 8297
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23039.d

Report Date: 08/19/2011

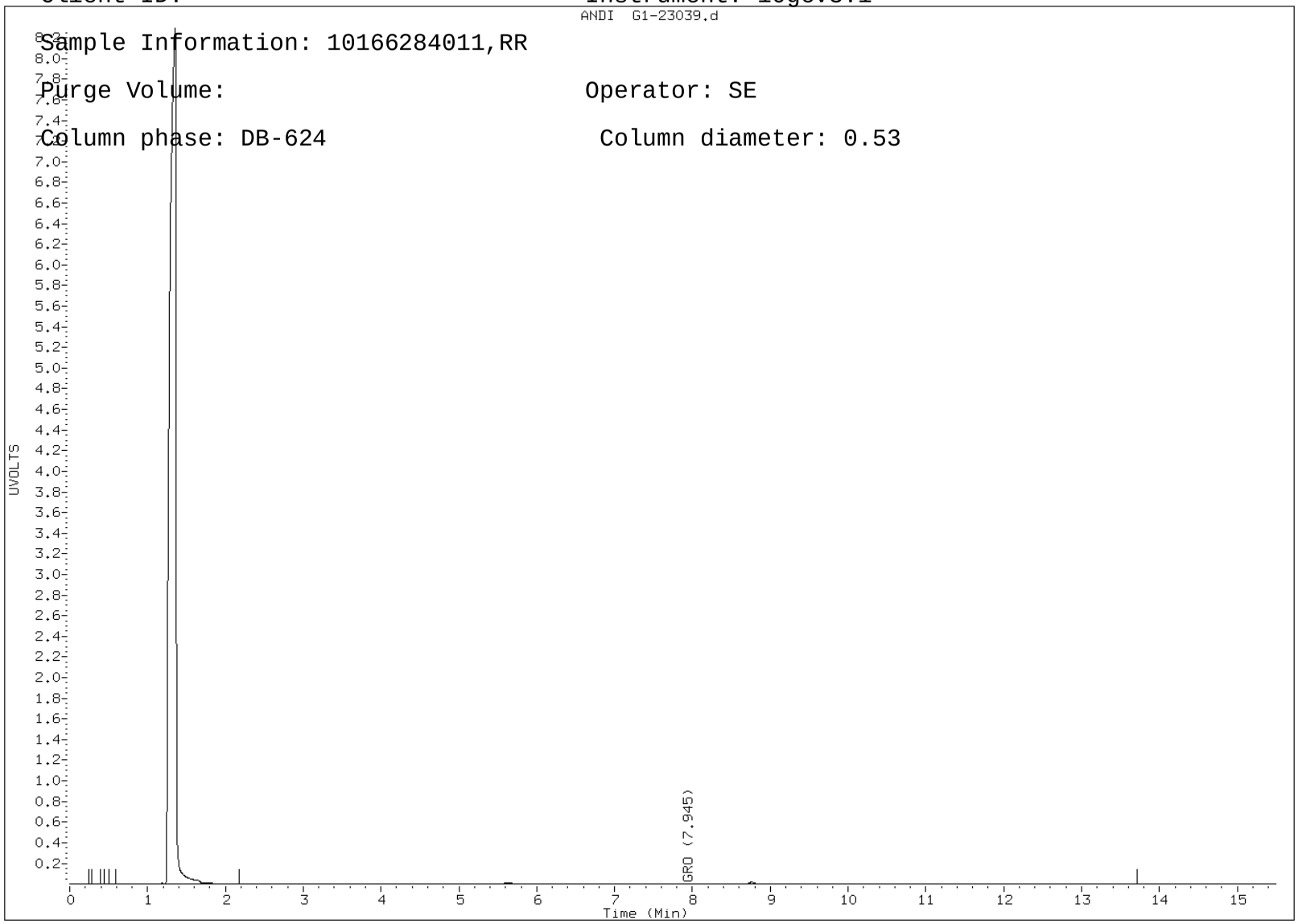
Sample ID: 10166284011

Client ID: Instrument: 10gcv3.i

Sample Information: 10166284011,RR

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 16-Aug-2011 13:17

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081611dro.b\081611000027.D

Lab Smp Id: 10166284001

Inj Date : 16-AUG-2011 13:09

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10166284001,10

Misc Info : 8469

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081611dro.b\WDRO9-062111.m

Meth Date : 16-Aug-2011 11:06 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 10.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	10.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			477039722	1275.39	510
$	2 n-Triacontane (S)	2.317	2.320	-0.003	3522863	12.2713	4.91(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081611dro.b/081611000027.D

Report Date: 08/16/2011

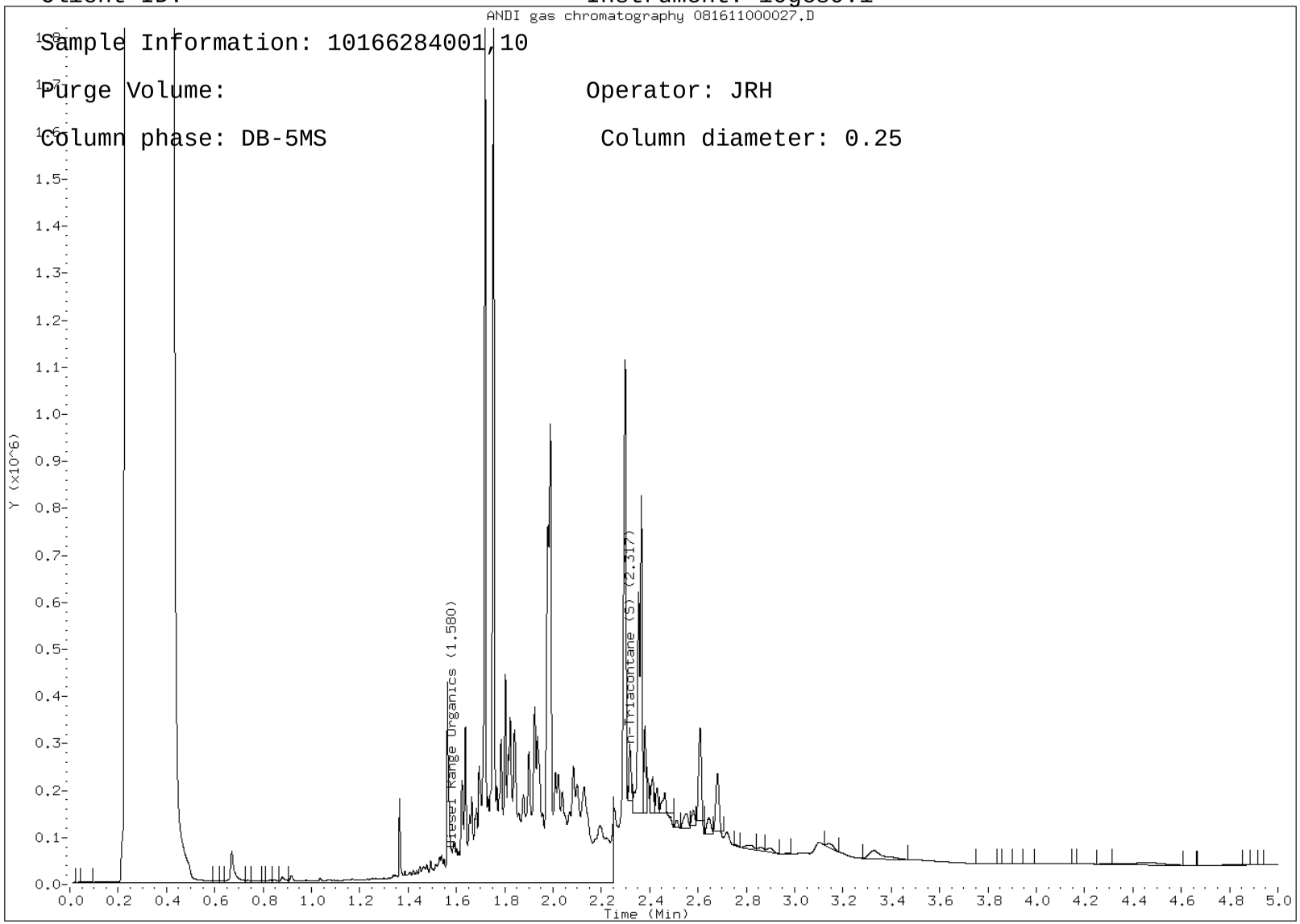
Sample ID: 10166284001

Client ID: Instrument: 10gcs9.i

Sample Information: 10166284001,10

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 16-Aug-2011 12:52

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081611dro.b\081611000023.D

Lab Smp Id: 10166284009

Inj Date : 16-AUG-2011 12:41

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10166284009

Misc Info : 8469

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081611dro.b\WDRO9-062111.m

Meth Date : 16-Aug-2011 11:06 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910-2.250			598647580	1602.87	64.1
$	2 n-Triacontane (S)	2.324	2.320	0.004	23456090	84.1031	3.36(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

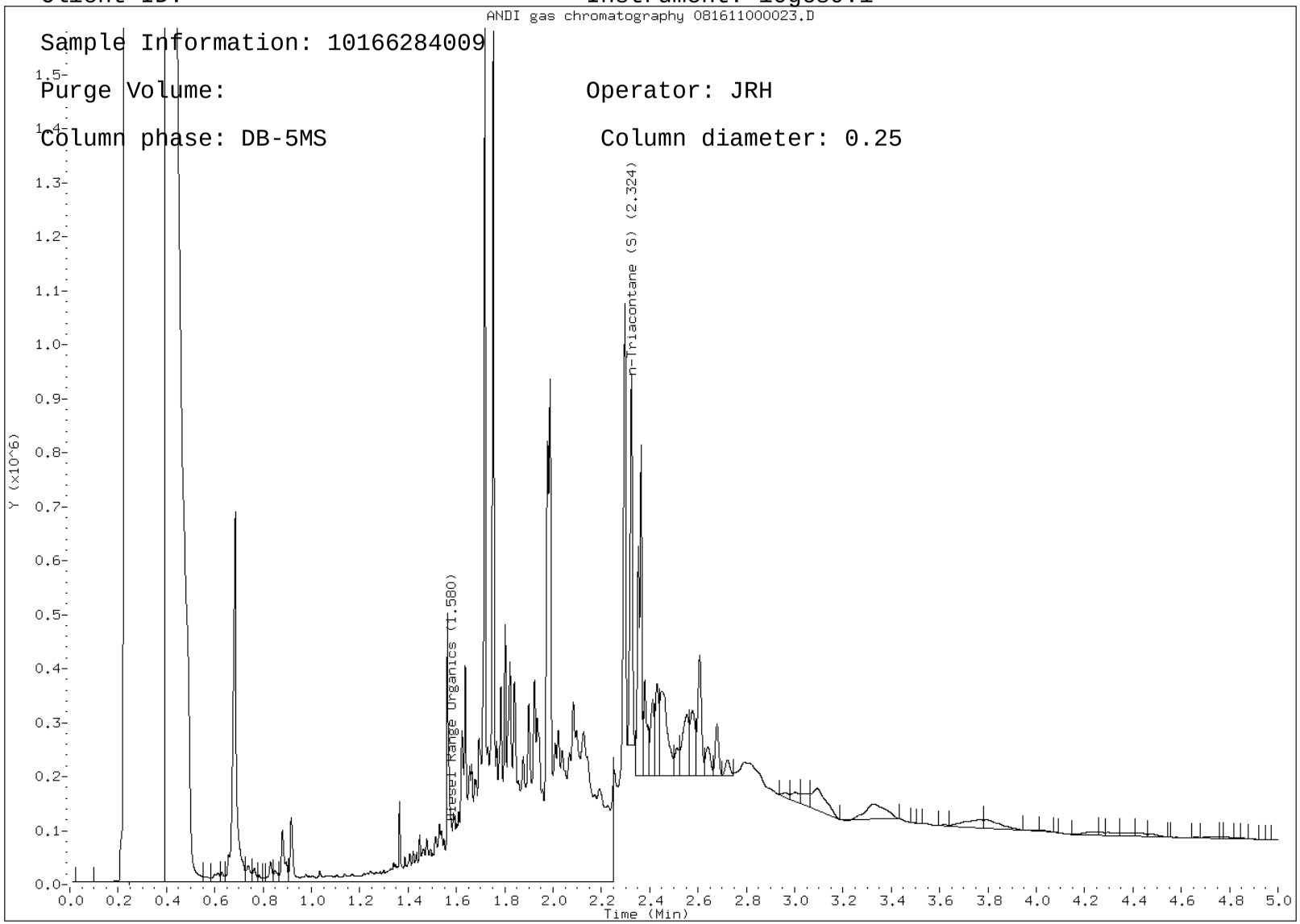
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081611dro.b/081611000023.D

Report Date: 08/16/2011

Sample ID: 10166284009

Client ID: Instrument: 10gcs9.i



Sample Information: 10166284009

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 16-Aug-2011 12:29

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081611dro.b\081611000018.D

Lab Smp Id: 10166284016

Inj Date : 16-AUG-2011 12:06

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10166284016

Misc Info : 8469

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081611dro.b\WDRO9-062111.m

Meth Date : 16-Aug-2011 11:06 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910	-2.250		226697633	601.235	24.0
$	2 n-Triacontane (S)	2.319	2.320	-0.001	27390854	98.2825	3.93(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081611dro.b/081611000018.D

Report Date: 08/16/2011

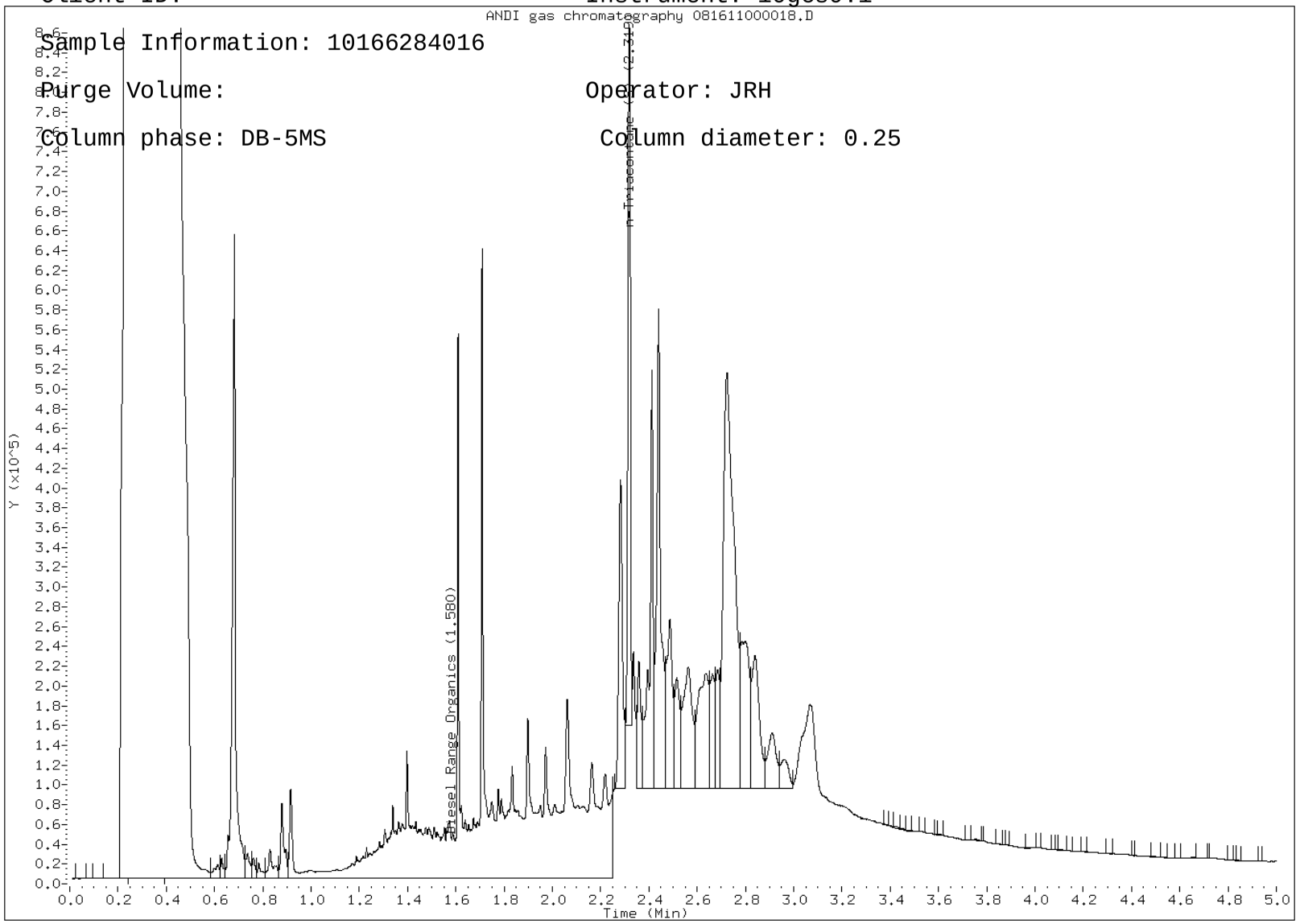
Sample ID: 10166284016

Client ID: Instrument: 10gcs9.i

Sample Information: 10166284016

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 16-Aug-2011 12:30

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081611dro.b\081611000019.D

Lab Smp Id: 10166284011

Inj Date : 16-AUG-2011 12:13

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10166284011

Misc Info : 8469

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081611dro.b\WDRO9-062111.m

Meth Date : 16-Aug-2011 11:06 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910	-2.250		387474980	1034.20	41.4
$	2 n-Triacontane (S)	2.319	2.320	-0.001	28849039	103.537	4.14(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

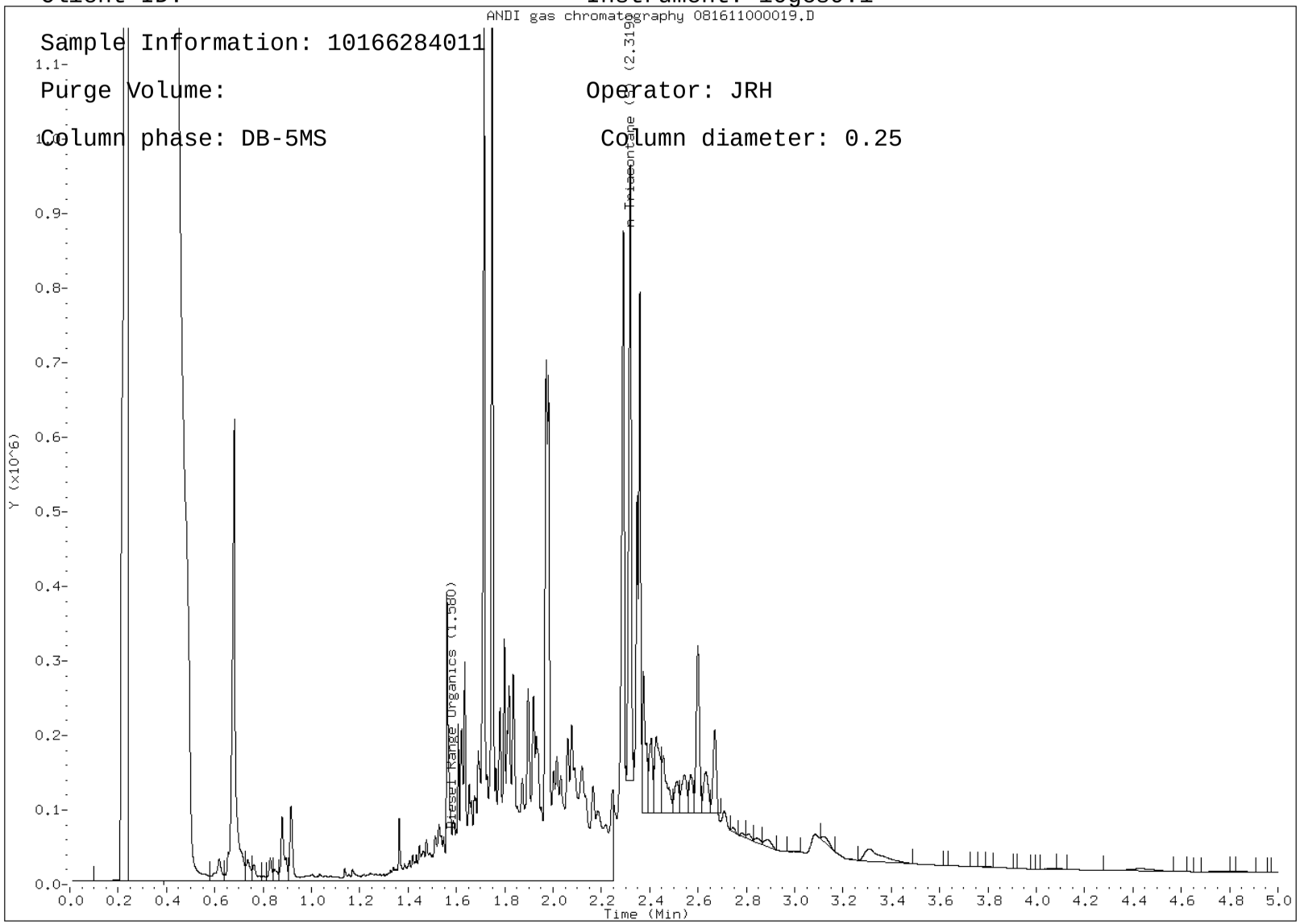
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081611dro.b/081611000019.D

Report Date: 08/16/2011

Sample ID: 10166284011

Client ID: Instrument: 10gcs9.i



Sample Information: 10166284011

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Report Date: 16-Aug-2011 11:39

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs9.i\081611dro.b\081611000013.D

Lab Smp Id: 10166284017

Inj Date : 16-AUG-2011 11:31

Operator : JRH Inst ID: 10gcs9.i

Smp Info : 10166284017

Misc Info : 8469

Comment : C10-C28 DRO

Method : \\192.168.10.12\chem\10gcs9.i\081611dro.b\WDRO9-062111.m

Meth Date : 16-Aug-2011 11:06 jheinecke Quant Type: ESTD

Cal Date : 21-JUN-2011 17:36 Cal File: 062111000069.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: dro.sub

Target Version: 4.14

Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	1 Diesel Range Organics	0.910	-2.250		45165857	112.381	4.50
$	2 n-Triacontane (S)	2.318	2.320	-0.002	29784693	106.909	4.28(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs9.i\081611dro.b/081611000013.D

Report Date: 08/16/2011

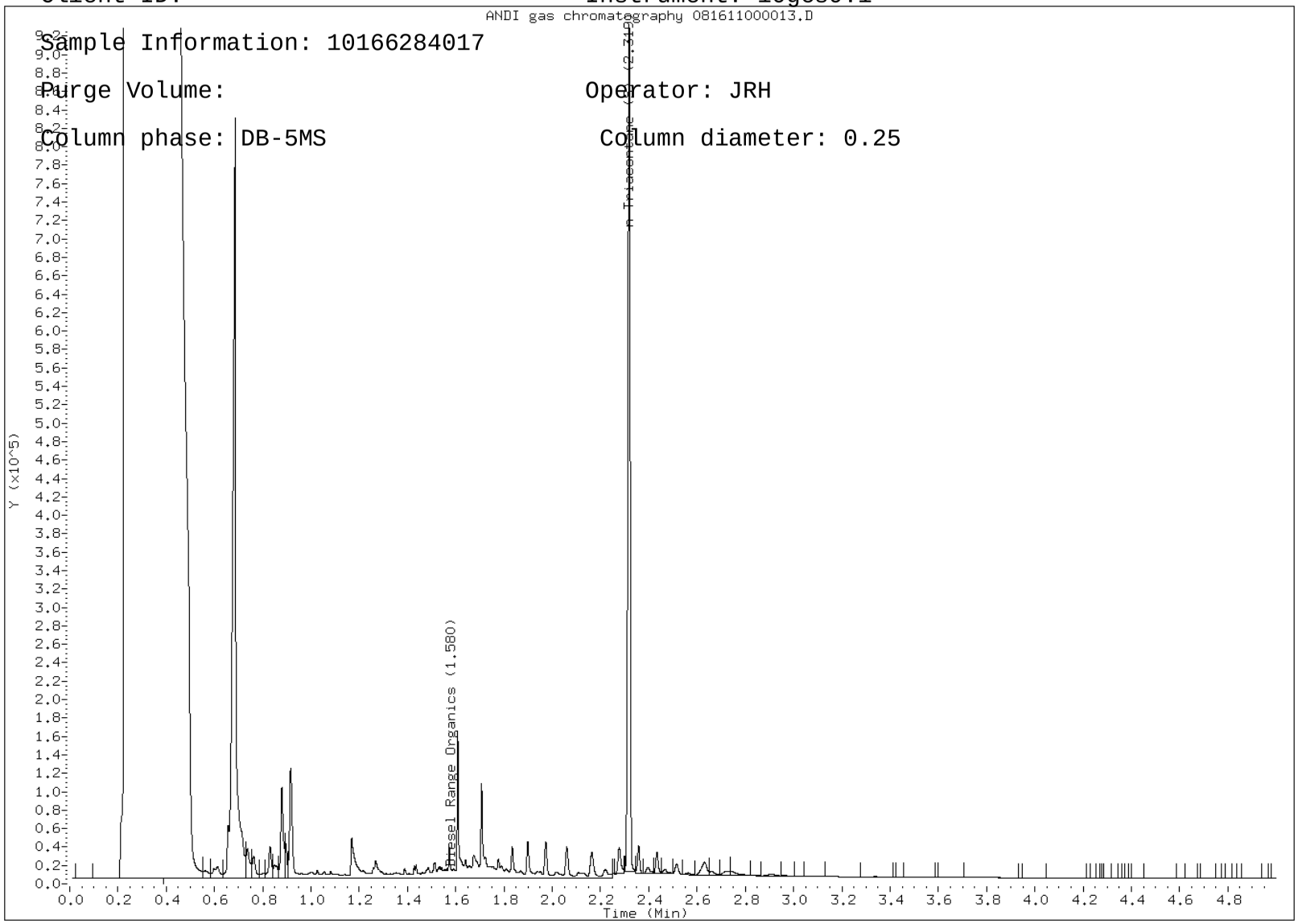
Sample ID: 10166284017

Client ID: Instrument: 10gcs9.i

Sample Information: 10166284017

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



MINNESOTA VALLEY TESTING LABORATORIES, INC.

MVTL

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

MEMBER ACIL

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

CAROL DAVY
PACE ANALYTICAL SERVICES INC
1700 ELM ST STE 200
MINNEAPOLIS MN 55414

Project Name: STLOU 106311
Project Number: 10166284
Sample Description: GP-20-6
LAB ID:10166284011

Report Date: 23 Aug 2011
Lab Number: 11-N8700
Work Order #:21-4229
Account #: 013980
Sample Matrix: SOIL
Date Sampled: 10 Aug 2011 14:30
Date Received: 16 Aug 2011
PO #: 10166284

Temp at Receipt: -1.2C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Acetochlor	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Alachlor (Lasso)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Atrazine (Aatrex)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Chlorpyrifos (Lorsban)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Cyanazine (Bladex)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Deethylatrazine	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Deisopropylatrazine	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Dimethenamid (Frontier)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
EPTC (Eradicane)	< 0.03	mg/Kg	0.03	3545/GCMS	22 Aug 11	JG
Ethalfluralin (Sonolan)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Fonofos (Dyphonate)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Metolachlor (Dual)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Metribuzin (Sencor, Lexone)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Pendimethalin (Prowl)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Phorate (Thimet)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Prometon (Pramitol)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Propachlor (Ramrod)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Propazine (Milogard)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Simazine (Princep)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Terbufos (Counter)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Tri-Allate (Far-Go)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG
Trifluralin (Treflan)	< 0.05	mg/Kg	0.05	3545/GCMS	22 Aug 11	JG

ATRAZINE-D5 SURROGATE RECOVERY: 80 %

TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 104 %

Approved by:

Dan O'Connell, Chemistry Laboratory Manager New Ulm, MN

RL = Reporting Limit

The reporting limit was elevated for any analyte requiring a dilution as coded below:
@ = Due to sample matrix # = Due to concentration of other analytes
! = Due to sample quantity + = Due to internal standard response

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10166284

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive, Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I:	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency: —

State/Location: Minnesota

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-15-04	AB	SL	G	8/10	900				9	5						4		X	X	X	X	X	X						X		10166284001
2	GP-16-8	R	SL	G	8/10	1000				5	3						2				X	X	X		X					X		002
3	GP-16-16	R	SL	G	8/10	1010				5	3						2				X	X	X		X					X		003
4	GP-17-4	Q	SL	G	8/10	1095				5	3						2				X	X	X		X					X		004
5	GP-17-8	Q	SL	G	8/10	1100				4	2						2				X	X	X		X					X		005
6	GP-17-20	Q	WT	G	8/10	1110				5	2			3							X	X								X		006
7	GP-18-6	S	SL	G	8/10	1200				4	2			2			2				X	X										007
8	GP-18-20W	S	WT	G	8/10	1210			11.5	5	2		1	2					X	X	X	X	X							X		008
9	GP-19-5	AC	SL	G	8/10	1340				9	5						4		X	X	X	X	X	O								009
10	GP-19-15W	AC	WT	G	8/10	1345				5	2			3							X	X										010
11	GP-20-6	Z	SL	G	8/10	1430				9	5						4		X	X	X	X	X						X			011
12	GP-20-19W	Z	WT	G	8/10	1445				11	2		1	2					X	X	X	X	X									012

Residual Chlorine (Y/N): —

ADDITIONAL COMMENTS

GP-18-20W Change name → GP-18-3W
GP-19-15W Change name → GP-19-11W
GP-20-19W Change name → GP-20-6W

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	8/11/11			8-11-11	1655	TEMP In C: 30
	8-11-11	1717				Received on Ice (Y/N): Y
						Custody Sealed Cooler (Y/N): N
						Samples Intact (Y/N): Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN KINNY

SIGNATURE of SAMPLER: FOR JK

DATE Signed: 8/11/11

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10166284

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive
	Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency: —

State / Location: Minnesota

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.
1	GP-21-8	4	SL	G	8/10	1545				4	2						2				X	X	X						X		10166284013
2	GP-21-12	4	SL	G	8/10	1600				4	2						2				X	X	X						X		014
3	GP-21-15W	4	WT	G	8/10	1595				10	2			8					X	X	X	X	X						X		015
4	GP-22-4	U	SL	G	8/10	1640				8	4						4		X	X	X	X	X								016
5	GP-22-16	U	SL	G	8/10	1655				8	4						4		X	X	X	X	X								017
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS: GP-21-15W Change name → GP-21-8W

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
			NE	8/11/11	1655	3.0	Y	N	Y
						1.8			
						1.7			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: SEH Project # 10166284

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ✓ No _____

Thermometer Used 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 3.0, 1.8, 1.7 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8-11-11

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT SL		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☑Yes ☐No ☐N/A	13. ☑ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp # 18-20W, 20-19W (1)
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed: f.m Lot # of added preservative:
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 060611-3		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 8-12-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 22, 2011

John Kinny
SEH
3535 Vadnais Center Drive
Saint Paul, MN 55110

RE: Project: STLOU 106311 REV
Pace Project No.: 10166412

Dear John Kinny:
Enclosed are the analytical results for sample(s) received by the laboratory on August 12, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

This report has been revised to change the units of measure for some compounds and to add TCLP-lead to sample GP-28-8.

This report has been revised to add DRO with silica gel clean up.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

cc: Christine Carlson, Short Elliott Hendrickson

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10166412001	**GP-23-4**	Solid	08/11/11 08:55	08/12/11 15:58
10166412002	**GP-23-10**	Solid	08/11/11 09:00	08/12/11 15:58
10166412003	**GP-23-11W**	Water	08/11/11 09:05	08/12/11 15:58
10166412004	**GP-24-8**	Solid	08/11/11 10:00	08/12/11 15:58
10166412006	**GP-25-6**	Solid	08/11/11 11:00	08/12/11 15:58
10166412007	**GP-24-13W**	Water	08/11/11 09:50	08/12/11 15:58
10166412008	**GP-25-8W**	Water	08/11/11 11:10	08/12/11 15:58
10166412009	**GP-26-4**	Solid	08/11/11 12:00	08/12/11 15:58
10166412011	**GP-26-23W**	Water	08/11/11 12:45	08/12/11 15:58
10166412012	**GP-27-8**	Solid	08/11/11 13:45	08/12/11 15:58
10166412013	**GP-28-8**	Solid	08/11/11 14:30	08/12/11 15:58
10166412014	**GP-28-22W**	Water	08/11/11 14:45	08/12/11 15:58
10166412015	**GP-29-16**	Solid	08/11/11 15:45	08/12/11 15:58
10166412016	**GP-30-10**	Solid	08/11/11 16:45	08/12/11 15:58
10166412018	**GP-30-19W**	Water	08/11/11 16:30	08/12/11 15:58

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10166412001	**GP-23-4**	WI MOD DRO	JRH	2	PASI-M
		WI MOD DRO	MT	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166412002	**GP-23-10**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166412003	**GP-23-11W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	KT1	73	PASI-M
		SM 4500-CN-E	MWD	1	PASI-M
10166412004	**GP-24-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
10166412006	**GP-25-6**	EPA 6010	IP	8	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166412007	**GP-24-13W**	EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M
10166412008	**GP-25-8W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M
10166412009	**GP-26-4**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166412011	**GP-26-23W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M
10166412012	**GP-27-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166412013	**GP-28-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166412014	**GP-28-22W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M
10166412015	**GP-29-16**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166412016	**GP-30-10**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166412018	**GP-30-19W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: SEH_MN
Date: September 22, 2011

General Information:
2 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 22, 2011

General Information:
8 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/16352

T6: High boiling point hydrocarbons are present in the sample.

- GP-23-4 (Lab ID: 10166412001)
  - Diesel Range Organics
- GP-28-8 (Lab ID: 10166412013)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 22, 2011

General Information:
1 sample was analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- GP-23-4 (Lab ID: 10166412001)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/16679

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1056755)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD DRO**
Description: WIDRO GCS Silica Gel
Client: SEH_MN
Date: September 22, 2011

Analyte Comments:

QC Batch: OEXT/16679

C0: Result confirmed by second analysis.

- LCS (Lab ID: 1056755)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 22, 2011

General Information:
5 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- GP-23-11W (Lab ID: 10166412003)
- GP-25-8W (Lab ID: 10166412008)
- GP-26-23W (Lab ID: 10166412011)
- GP-30-19W (Lab ID: 10166412018)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 22, 2011

General Information:
8 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: GCV/8301

1M: Sample exceeded the WIGRO weight requirement.
- DUP (Lab ID: 1034302)
  - a,a,a-Trifluorotoluene (S)
- MS (Lab ID: 1034301)
  - a,a,a-Trifluorotoluene (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 22, 2011

General Information:
5 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 22, 2011

General Information:
14 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/27749

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166358001,10166418007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033555)
  - Lead

QC Batch: MPRP/27798

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166412006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1034909)
  - Arsenic
  - Barium
  - Copper
  - Lead
- MSD (Lab ID: 1034910)
  - Arsenic
  - Barium
  - Lead

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 22, 2011

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: SEH_MN
Date: September 22, 2011

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 7470**
Description: 7470 Mercury
Client: SEH_MN
Date: September 22, 2011

General Information:
5 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 7471**
Description: 7471 Mercury
Client: SEH_MN
Date: September 22, 2011

General Information:
9 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/5807

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166234001,10166406001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033604)
  - Mercury

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1033602)
  - Mercury
- MSD (Lab ID: 1033603)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 22, 2011

General Information:
14 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.
The samples were prepared in accordance with EPA 3520 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/7008

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 22, 2011

General Information:
8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/17674

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- DUP (Lab ID: 1034203)
  - 1,2-Dichloroethane-d4 (S)
  - Dibromofluoromethane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 22, 2011

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17666

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 1033547)
  - Acetone
- DUP (Lab ID: 1034174)
  - Acetone
- GP-23-11W (Lab ID: 10166412003)
  - Acetone
- LCS (Lab ID: 1033548)
  - Acetone
- MS (Lab ID: 1034175)
  - Acetone

QC Batch: MSV/17680

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 1034896)
  - Acetone
- MS (Lab ID: 1035818)
  - Acetone

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 22, 2011

QC Batch: MSV/17680

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1034896)
  - Acetone

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: SEH_MN
Date: September 22, 2011

General Information:
3 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Method: **SM 4500-CN-E**
Description: SM4500CN-E Cyanide
Client: SEH_MN
Date: September 22, 2011

General Information:
1 sample was analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/10927

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166353005,10166412003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1035737)
  - Cyanide

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-4 **Lab ID: 10166412001** Collected: 08/11/11 08:55 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**23.6**	mg/kg	8.3	0.54	1	08/16/11 14:21	08/17/11 21:44		T6
n-Triacontane (S)	77	%	50-150		1	08/16/11 14:21	08/17/11 21:44		
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**18.5**	mg/kg	8.3	4.1	1	09/19/11 07:15	09/21/11 12:49		L2
n-Triacontane (S)	82	%	38-125		1	09/19/11 07:15	09/21/11 12:49		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.5	2.4	1	08/16/11 14:01	08/18/11 20:49		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/16/11 14:01	08/18/11 20:49	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.9**	mg/kg	0.55	0.27	1	08/16/11 11:50	08/16/11 17:54	7440-38-2	
Barium	**78.1**	mg/kg	0.55	0.022	1	08/16/11 11:50	08/16/11 17:54	7440-39-3	
Cadmium	**0.14**	mg/kg	0.055	0.011	1	08/16/11 11:50	08/16/11 17:54	7440-43-9	
Chromium	**12.4**	mg/kg	0.55	0.077	1	08/16/11 11:50	08/16/11 17:54	7440-47-3	
Lead	**28.3**	mg/kg	0.33	0.055	1	08/16/11 11:50	08/16/11 17:54	7439-92-1	
Selenium	**1.5**	mg/kg	0.82	0.14	1	08/16/11 11:50	08/16/11 17:54	7782-49-2	
Silver	ND	mg/kg	0.55	0.033	1	08/16/11 11:50	08/16/11 17:54	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.024**	mg/kg	0.022	0.0018	1	08/16/11 08:17	08/17/11 10:22	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**8.7**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	83-32-9	
Acenaphthylene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	208-96-8	
Anthracene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	120-12-7	
Benzo(a)anthracene	**0.54**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	56-55-3	
Benzo(a)pyrene	**0.55**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	50-32-8	
Benzo(b)fluoranthene	**0.79**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	205-99-2	
Benzo(g,h,i)perylene	**0.41**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/17/11 07:37	08/19/11 17:05	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.065	1	08/17/11 07:37	08/19/11 17:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.062	1	08/17/11 07:37	08/19/11 17:05	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-4 **Lab ID: 10166412001** Collected: 08/11/11 08:55 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 17:05	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	7005-72-3	
Chrysene	**0.65**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/17/11 07:37	08/19/11 17:05	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/17/11 07:37	08/19/11 17:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 17:05	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.73	0.37	1	08/17/11 07:37	08/19/11 17:05	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	105-67-9	
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	117-81-7	
Fluoranthene	**1.1**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/17/11 07:37	08/19/11 17:05	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	118-74-1	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/17/11 07:37	08/19/11 17:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	193-39-5	
Isophorone	ND	mg/kg	0.36	0.062	1	08/17/11 07:37	08/19/11 17:05	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/17/11 07:37	08/19/11 17:05	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.72	0.36	1	08/17/11 07:37	08/19/11 17:05		
Naphthalene	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 17:05	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.070	1	08/17/11 07:37	08/19/11 17:05	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/17/11 07:37	08/19/11 17:05	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.060	1	08/17/11 07:37	08/19/11 17:05	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.059	1	08/17/11 07:37	08/19/11 17:05	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	86-30-6	
Pentachlorophenol	ND	mg/kg	0.73	0.37	1	08/17/11 07:37	08/19/11 17:05	87-86-5	
Phenanthrene	**0.62**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	85-01-8	
Phenol	ND	mg/kg	0.36	0.063	1	08/17/11 07:37	08/19/11 17:05	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-4 **Lab ID: 10166412001** Collected: 08/11/11 08:55 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	**1.0**	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/17/11 07:37	08/19/11 17:05	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 17:05	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 17:05	88-06-2	
Nitrobenzene-d5 (S)	65	%	50-120		1	08/17/11 07:37	08/19/11 17:05	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-150		1	08/17/11 07:37	08/19/11 17:05	321-60-8	
Terphenyl-d14 (S)	83	%	30-150		1	08/17/11 07:37	08/19/11 17:05	1718-51-0	
Phenol-d6 (S)	70	%	30-149		1	08/17/11 07:37	08/19/11 17:05	13127-88-3	
2-Fluorophenol (S)	65	%	30-147		1	08/17/11 07:37	08/19/11 17:05	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-150		1	08/17/11 07:37	08/19/11 17:05	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 00:48	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.072	1	08/15/11 13:42	08/17/11 00:48	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/15/11 13:42	08/17/11 00:48	71-43-2	
Bromobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 00:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.055	0.025	1	08/15/11 13:42	08/17/11 00:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 00:48	75-27-4	
Bromoform	ND	mg/kg	0.22	0.055	1	08/15/11 13:42	08/17/11 00:48	75-25-2	
Bromomethane	ND	mg/kg	0.55	0.084	1	08/15/11 13:42	08/17/11 00:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 00:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.055	0.0052	1	08/15/11 13:42	08/17/11 00:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.055	0.0059	1	08/15/11 13:42	08/17/11 00:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 00:48	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 00:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 00:48	108-90-7	
Chloroethane	ND	mg/kg	0.55	0.13	1	08/15/11 13:42	08/17/11 00:48	75-00-3	
Chloroform	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 00:48	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.037	1	08/15/11 13:42	08/17/11 00:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/15/11 13:42	08/17/11 00:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/15/11 13:42	08/17/11 00:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.042	1	08/15/11 13:42	08/17/11 00:48	96-12-8	
Dibromochloromethane	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 00:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 00:48	106-93-4	
Dibromomethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 00:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 00:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.055	0.0071	1	08/15/11 13:42	08/17/11 00:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.055	0.0099	1	08/15/11 13:42	08/17/11 00:48	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 00:48	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.055	0.019	1	08/15/11 13:42	08/17/11 00:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.055	0.014	1	08/15/11 13:42	08/17/11 00:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.055	0.028	1	08/15/11 13:42	08/17/11 00:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.055	0.019	1	08/15/11 13:42	08/17/11 00:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.055	0.016	1	08/15/11 13:42	08/17/11 00:48	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.55	0.029	1	08/15/11 13:42	08/17/11 00:48	75-43-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-4 **Lab ID: 10166412001** Collected: 08/11/11 08:55 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.055	0.024	1	08/15/11 13:42	08/17/11 00:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.055	0.0092	1	08/15/11 13:42	08/17/11 00:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/15/11 13:42	08/17/11 00:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 00:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.055	0.0096	1	08/15/11 13:42	08/17/11 00:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.055	0.010	1	08/15/11 13:42	08/17/11 00:48	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.037	1	08/15/11 13:42	08/17/11 00:48	60-29-7	
Ethylbenzene	ND	mg/kg	0.055	0.0031	1	08/15/11 13:42	08/17/11 00:48	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0063	1	08/15/11 13:42	08/17/11 00:48	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 00:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.055	0.0095	1	08/15/11 13:42	08/17/11 00:48	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/15/11 13:42	08/17/11 00:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 00:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.055	0.018	1	08/15/11 13:42	08/17/11 00:48	1634-04-4	
Naphthalene	**0.24**	mg/kg	0.22	0.0095	1	08/15/11 13:42	08/17/11 00:48	91-20-3	
n-Propylbenzene	ND	mg/kg	0.055	0.0044	1	08/15/11 13:42	08/17/11 00:48	103-65-1	
Styrene	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 00:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 00:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 00:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.055	0.015	1	08/15/11 13:42	08/17/11 00:48	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.16	1	08/15/11 13:42	08/17/11 00:48	109-99-9	
Toluene	ND	mg/kg	0.055	0.0083	1	08/15/11 13:42	08/17/11 00:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.055	0.016	1	08/15/11 13:42	08/17/11 00:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 00:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.055	0.0072	1	08/15/11 13:42	08/17/11 00:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.055	0.024	1	08/15/11 13:42	08/17/11 00:48	79-00-5	
Trichloroethene	ND	mg/kg	0.055	0.018	1	08/15/11 13:42	08/17/11 00:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/15/11 13:42	08/17/11 00:48	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.018	1	08/15/11 13:42	08/17/11 00:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 00:48	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.055	0.0081	1	08/15/11 13:42	08/17/11 00:48	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.055	0.0073	1	08/15/11 13:42	08/17/11 00:48	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/15/11 13:42	08/17/11 00:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.030	1	08/15/11 13:42	08/17/11 00:48	1330-20-7	
Dibromofluoromethane (S)	86	%	30-150		1	08/15/11 13:42	08/17/11 00:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	80	%	30-150		1	08/15/11 13:42	08/17/11 00:48	17060-07-0	
Toluene-d8 (S)	85	%	30-150		1	08/15/11 13:42	08/17/11 00:48	2037-26-5	
4-Bromofluorobenzene (S)	86	%	30-150		1	08/15/11 13:42	08/17/11 00:48	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.16	0.076	1		08/17/11 19:28	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-10 **Lab ID: 10166412002** Collected: 08/11/11 09:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.7	0.63	1	08/16/11 14:21	08/17/11 20:12		
n-Triacontane (S)	73	%	50-150		1	08/16/11 14:21	08/17/11 20:12		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	6.2	2.7	1	08/16/11 14:01	08/19/11 12:42		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/16/11 14:01	08/19/11 12:42	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.6**	mg/kg	0.54	0.27	1	08/16/11 11:50	08/16/11 17:59	7440-38-2	
Barium	**108**	mg/kg	0.54	0.021	1	08/16/11 11:50	08/16/11 17:59	7440-39-3	
Cadmium	**0.20**	mg/kg	0.054	0.011	1	08/16/11 11:50	08/16/11 17:59	7440-43-9	
Chromium	**11.7**	mg/kg	0.54	0.075	1	08/16/11 11:50	08/16/11 17:59	7440-47-3	
Lead	**10.5**	mg/kg	0.32	0.054	1	08/16/11 11:50	08/16/11 17:59	7439-92-1	
Selenium	ND	mg/kg	0.80	0.14	1	08/16/11 11:50	08/16/11 17:59	7782-49-2	
Silver	ND	mg/kg	0.54	0.032	1	08/16/11 11:50	08/16/11 17:59	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.021	0.0017	1	08/16/11 08:17	08/17/11 10:28	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**18.9**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	83-32-9	
Acenaphthylene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	208-96-8	
Anthracene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	85-68-7	
Carbazole	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	59-50-7	
4-Chloroaniline	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.41	0.071	1	08/17/11 07:37	08/19/11 18:34	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.41	0.074	1	08/17/11 07:37	08/19/11 18:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.41	0.070	1	08/17/11 07:37	08/19/11 18:34	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	91-58-7	
2-Chlorophenol	ND	mg/kg	0.41	0.072	1	08/17/11 07:37	08/19/11 18:34	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	7005-72-3	
Chrysene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-10 **Lab ID: 10166412002** Collected: 08/11/11 09:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.41	0.075	1	08/17/11 07:37	08/19/11 18:34	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.41	0.070	1	08/17/11 07:37	08/19/11 18:34	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.41	0.072	1	08/17/11 07:37	08/19/11 18:34	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.83	0.41	1	08/17/11 07:37	08/19/11 18:34	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	120-83-2	
Diethylphthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	105-67-9	
Dimethylphthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	117-81-7	
Fluoranthene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	206-44-0	
Fluorene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.41	0.079	1	08/17/11 07:37	08/19/11 18:34	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	118-74-1	
Hexachloroethane	ND	mg/kg	0.41	0.074	1	08/17/11 07:37	08/19/11 18:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	193-39-5	
Isophorone	ND	mg/kg	0.41	0.070	1	08/17/11 07:37	08/19/11 18:34	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.41	0.062	1	08/17/11 07:37	08/19/11 18:34	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.81	0.41	1	08/17/11 07:37	08/19/11 18:34		
Naphthalene	ND	mg/kg	0.41	0.072	1	08/17/11 07:37	08/19/11 18:34	91-20-3	
2-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	88-74-4	
3-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	99-09-2	
4-Nitroaniline	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	100-01-6	
Nitrobenzene	ND	mg/kg	0.41	0.079	1	08/17/11 07:37	08/19/11 18:34	98-95-3	
2-Nitrophenol	ND	mg/kg	0.41	0.074	1	08/17/11 07:37	08/19/11 18:34	88-75-5	
4-Nitrophenol	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.41	0.068	1	08/17/11 07:37	08/19/11 18:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.41	0.067	1	08/17/11 07:37	08/19/11 18:34	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	86-30-6	
Pentachlorophenol	ND	mg/kg	0.83	0.41	1	08/17/11 07:37	08/19/11 18:34	87-86-5	
Phenanthrene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	85-01-8	
Phenol	ND	mg/kg	0.41	0.071	1	08/17/11 07:37	08/19/11 18:34	108-95-2	
Pyrene	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.41	0.073	1	08/17/11 07:37	08/19/11 18:34	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.1	1.0	1	08/17/11 07:37	08/19/11 18:34	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.41	0.20	1	08/17/11 07:37	08/19/11 18:34	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-10 **Lab ID: 10166412002** Collected: 08/11/11 09:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	53	%	50-120		1	08/17/11 07:37	08/19/11 18:34	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-150		1	08/17/11 07:37	08/19/11 18:34	321-60-8	
Terphenyl-d14 (S)	85	%	30-150		1	08/17/11 07:37	08/19/11 18:34	1718-51-0	
Phenol-d6 (S)	55	%	30-149		1	08/17/11 07:37	08/19/11 18:34	13127-88-3	
2-Fluorophenol (S)	54	%	30-147		1	08/17/11 07:37	08/19/11 18:34	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/17/11 07:37	08/19/11 18:34	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.61	0.30	1	08/15/11 13:42	08/16/11 23:47	67-64-1	
Allyl chloride	ND	mg/kg	0.24	0.080	1	08/15/11 13:42	08/16/11 23:47	107-05-1	
Benzene	ND	mg/kg	0.024	0.012	1	08/15/11 13:42	08/16/11 23:47	71-43-2	
Bromobenzene	ND	mg/kg	0.061	0.018	1	08/15/11 13:42	08/16/11 23:47	108-86-1	
Bromochloromethane	ND	mg/kg	0.061	0.028	1	08/15/11 13:42	08/16/11 23:47	74-97-5	
Bromodichloromethane	ND	mg/kg	0.061	0.024	1	08/15/11 13:42	08/16/11 23:47	75-27-4	
Bromoform	ND	mg/kg	0.24	0.060	1	08/15/11 13:42	08/16/11 23:47	75-25-2	
Bromomethane	ND	mg/kg	0.61	0.092	1	08/15/11 13:42	08/16/11 23:47	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.61	0.30	1	08/15/11 13:42	08/16/11 23:47	78-93-3	
n-Butylbenzene	ND	mg/kg	0.061	0.0058	1	08/15/11 13:42	08/16/11 23:47	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.061	0.0065	1	08/15/11 13:42	08/16/11 23:47	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.061	0.0077	1	08/15/11 13:42	08/16/11 23:47	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.061	0.014	1	08/15/11 13:42	08/16/11 23:47	56-23-5	
Chlorobenzene	ND	mg/kg	0.061	0.014	1	08/15/11 13:42	08/16/11 23:47	108-90-7	
Chloroethane	ND	mg/kg	0.61	0.15	1	08/15/11 13:42	08/16/11 23:47	75-00-3	
Chloroform	ND	mg/kg	0.061	0.013	1	08/15/11 13:42	08/16/11 23:47	67-66-3	
Chloromethane	ND	mg/kg	0.24	0.041	1	08/15/11 13:42	08/16/11 23:47	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.061	0.0083	1	08/15/11 13:42	08/16/11 23:47	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.061	0.0082	1	08/15/11 13:42	08/16/11 23:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.24	0.046	1	08/15/11 13:42	08/16/11 23:47	96-12-8	
Dibromochloromethane	ND	mg/kg	0.061	0.013	1	08/15/11 13:42	08/16/11 23:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.061	0.019	1	08/15/11 13:42	08/16/11 23:47	106-93-4	
Dibromomethane	ND	mg/kg	0.061	0.024	1	08/15/11 13:42	08/16/11 23:47	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.061	0.019	1	08/15/11 13:42	08/16/11 23:47	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.061	0.0078	1	08/15/11 13:42	08/16/11 23:47	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.061	0.011	1	08/15/11 13:42	08/16/11 23:47	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.061	0.018	1	08/15/11 13:42	08/16/11 23:47	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.061	0.021	1	08/15/11 13:42	08/16/11 23:47	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.061	0.016	1	08/15/11 13:42	08/16/11 23:47	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.061	0.031	1	08/15/11 13:42	08/16/11 23:47	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.061	0.020	1	08/15/11 13:42	08/16/11 23:47	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.061	0.017	1	08/15/11 13:42	08/16/11 23:47	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.61	0.032	1	08/15/11 13:42	08/16/11 23:47	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.061	0.026	1	08/15/11 13:42	08/16/11 23:47	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.061	0.010	1	08/15/11 13:42	08/16/11 23:47	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.24	0.025	1	08/15/11 13:42	08/16/11 23:47	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.061	0.013	1	08/15/11 13:42	08/16/11 23:47	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-10 **Lab ID: 10166412002** Collected: 08/11/11 09:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.061	0.011	1	08/15/11 13:42	08/16/11 23:47	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.061	0.011	1	08/15/11 13:42	08/16/11 23:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.24	0.041	1	08/15/11 13:42	08/16/11 23:47	60-29-7	
Ethylbenzene	ND	mg/kg	0.061	0.0034	1	08/15/11 13:42	08/16/11 23:47	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.30	0.0069	1	08/15/11 13:42	08/16/11 23:47	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.061	0.0077	1	08/15/11 13:42	08/16/11 23:47	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.061	0.010	1	08/15/11 13:42	08/16/11 23:47	99-87-6	
Methylene Chloride	ND	mg/kg	0.24	0.12	1	08/15/11 13:42	08/16/11 23:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.61	0.30	1	08/15/11 13:42	08/16/11 23:47	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.061	0.020	1	08/15/11 13:42	08/16/11 23:47	1634-04-4	
Naphthalene	ND	mg/kg	0.24	0.010	1	08/15/11 13:42	08/16/11 23:47	91-20-3	
n-Propylbenzene	ND	mg/kg	0.061	0.0048	1	08/15/11 13:42	08/16/11 23:47	103-65-1	
Styrene	ND	mg/kg	0.061	0.0077	1	08/15/11 13:42	08/16/11 23:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.061	0.015	1	08/15/11 13:42	08/16/11 23:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.061	0.014	1	08/15/11 13:42	08/16/11 23:47	79-34-5	
Tetrachloroethene	ND	mg/kg	0.061	0.016	1	08/15/11 13:42	08/16/11 23:47	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.4	0.18	1	08/15/11 13:42	08/16/11 23:47	109-99-9	
Toluene	ND	mg/kg	0.061	0.0092	1	08/15/11 13:42	08/16/11 23:47	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.061	0.017	1	08/15/11 13:42	08/16/11 23:47	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.061	0.013	1	08/15/11 13:42	08/16/11 23:47	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.061	0.0079	1	08/15/11 13:42	08/16/11 23:47	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.061	0.026	1	08/15/11 13:42	08/16/11 23:47	79-00-5	
Trichloroethene	ND	mg/kg	0.061	0.020	1	08/15/11 13:42	08/16/11 23:47	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.24	0.030	1	08/15/11 13:42	08/16/11 23:47	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.24	0.019	1	08/15/11 13:42	08/16/11 23:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.061	0.024	1	08/15/11 13:42	08/16/11 23:47	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.061	0.0089	1	08/15/11 13:42	08/16/11 23:47	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.061	0.0081	1	08/15/11 13:42	08/16/11 23:47	108-67-8	
Vinyl chloride	ND	mg/kg	0.024	0.011	1	08/15/11 13:42	08/16/11 23:47	75-01-4	
Xylene (Total)	ND	mg/kg	0.18	0.033	1	08/15/11 13:42	08/16/11 23:47	1330-20-7	
Dibromofluoromethane (S)	100	%	30-150		1	08/15/11 13:42	08/16/11 23:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	30-150		1	08/15/11 13:42	08/16/11 23:47	17060-07-0	
Toluene-d8 (S)	97	%	30-150		1	08/15/11 13:42	08/16/11 23:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%	30-150		1	08/15/11 13:42	08/16/11 23:47	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-11W **Lab ID: 10166412003** Collected: 08/11/11 09:05 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**0.25**	mg/L	0.11	0.056	1	08/16/11 07:56	08/19/11 10:47		
n-Triacontane (S)	89	%	50-150		1	08/16/11 07:56	08/19/11 10:47		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 02:22		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1		08/16/11 02:22	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**84.8**	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 15:52	7440-38-2	
Barium	**1040**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 15:52	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 15:52	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 15:52	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 15:52	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 15:52	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 15:52	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:39	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	111-44-4	
2-Chlorophenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.8	1.6	1	08/17/11 10:47	08/19/11 17:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.8	1.3	1	08/17/11 10:47	08/19/11 17:33	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	108-60-1	
3&4-Methylphenol	ND	ug/L	21.5	10.8	1	08/17/11 10:47	08/19/11 17:33		
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	621-64-7	
Hexachloroethane	ND	ug/L	10.8	1.6	1	08/17/11 10:47	08/19/11 17:33	67-72-1	
Nitrobenzene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	98-95-3	
Isophorone	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	78-59-1	
2-Nitrophenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.8	4.5	1	08/17/11 10:47	08/19/11 17:33	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	120-82-1	
Naphthalene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	91-20-3	
4-Chloroaniline	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-11W **Lab ID: 10166412003** Collected: 08/11/11 09:05 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	91-58-7	
2-Nitroaniline	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	88-74-4	
Dimethylphthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	131-11-3	
Acenaphthylene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	606-20-2	
3-Nitroaniline	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	99-09-2	
Acenaphthene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	51-28-5	
4-Nitrophenol	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	100-02-7	
Dibenzofuran	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	121-14-2	
Diethylphthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	7005-72-3	
Fluorene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	86-73-7	
4-Nitroaniline	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.8	26.9	1	08/17/11 10:47	08/19/11 17:33	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	101-55-3	
Hexachlorobenzene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	118-74-1	
Pentachlorophenol	ND	ug/L	24.7	12.4	1	08/17/11 10:47	08/19/11 17:33	87-86-5	
Phenanthrene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	85-01-8	
Anthracene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	84-74-2	
Fluoranthene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	206-44-0	
Pyrene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	10.8	1	08/17/11 10:47	08/19/11 17:33	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	56-55-3	
Chrysene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.5	10.8	1	08/17/11 10:47	08/19/11 17:33	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.8	3.3	1	08/17/11 10:47	08/19/11 17:33	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	122-66-7	
Carbazole	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.8	5.4	1	08/17/11 10:47	08/19/11 17:33	90-12-0	
Nitrobenzene-d5 (S)	77	%	30-150		1	08/17/11 10:47	08/19/11 17:33	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-150		1	08/17/11 10:47	08/19/11 17:33	321-60-8	
Terphenyl-d14 (S)	95	%	30-150		1	08/17/11 10:47	08/19/11 17:33	1718-51-0	
Phenol-d6 (S)	80	%	30-150		1	08/17/11 10:47	08/19/11 17:33	13127-88-3	
2-Fluorophenol (S)	76	%	30-148		1	08/17/11 10:47	08/19/11 17:33	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-11W **Lab ID: 10166412003** Collected: 08/11/11 09:05 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	99	%	30-150		1	08/17/11 10:47	08/19/11 17:33	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 01:41	67-64-1	CL
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 01:41	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 01:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 01:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:41	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 01:41	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 01:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 01:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 01:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 01:41	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 01:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 01:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 01:41	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 01:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 01:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 01:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 01:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 01:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 01:41	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 01:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 01:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 01:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 01:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 01:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 01:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 01:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 01:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 01:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 01:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 01:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 01:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 01:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 01:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 01:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 01:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 01:41	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 01:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 01:41	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-23-11W **Lab ID: 10166412003** Collected: 08/11/11 09:05 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 01:41	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 01:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 01:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 01:41	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/16/11 01:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 01:41	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 01:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 01:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 01:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 01:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 01:41	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 01:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 01:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 01:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 01:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 01:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 01:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 01:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 01:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 01:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 01:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 01:41	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 01:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 01:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 01:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 01:41	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/16/11 01:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		08/16/11 01:41	17060-07-0	
Toluene-d8 (S)	97	%	75-125		1		08/16/11 01:41	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		1		08/16/11 01:41	460-00-4	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	5.0	1		08/19/11 10:44	57-12-5	M1

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-24-8 **Lab ID: 10166412004** Collected: 08/11/11 10:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	6.0	0.39	1	08/16/11 14:21	08/17/11 21:06		
n-Triacontane (S)	51	%	50-150		1	08/16/11 14:21	08/17/11 21:06		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.3	2.3	1	08/16/11 14:01	08/18/11 21:33		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/16/11 14:01	08/18/11 21:33	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.1**	mg/kg	0.49	0.25	1	08/16/11 11:50	08/16/11 18:05	7440-38-2	
Barium	**33.3**	mg/kg	0.49	0.020	1	08/16/11 11:50	08/16/11 18:05	7440-39-3	
Cadmium	**0.094**	mg/kg	0.049	0.0099	1	08/16/11 11:50	08/16/11 18:05	7440-43-9	
Chromium	**14.4**	mg/kg	0.49	0.069	1	08/16/11 11:50	08/16/11 18:05	7440-47-3	
Lead	**10**	mg/kg	0.30	0.049	1	08/16/11 11:50	08/16/11 18:05	7439-92-1	
Selenium	ND	mg/kg	0.74	0.13	1	08/16/11 11:50	08/16/11 18:05	7782-49-2	
Silver	ND	mg/kg	0.49	0.030	1	08/16/11 11:50	08/16/11 18:05	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0015	1	08/16/11 08:17	08/17/11 10:30	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**5.5**	%	0.10	0.10	1		08/18/11 00:00		

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-6 **Lab ID: 10166412006** Collected: 08/11/11 11:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**41.4**	mg/kg	0.48	0.24	1	08/17/11 13:07	08/17/11 18:49	7440-38-2	M1
Barium	**46.4**	mg/kg	0.48	0.019	1	08/17/11 13:07	08/17/11 18:49	7440-39-3	M1
Cadmium	**1.9**	mg/kg	0.048	0.0097	1	08/17/11 13:07	08/17/11 18:49	7440-43-9	
Chromium	**10.1**	mg/kg	0.48	0.068	1	08/17/11 13:07	08/17/11 18:49	7440-47-3	
Copper	**19.5**	mg/kg	0.48	0.11	1	08/17/11 13:07	08/17/11 18:49	7440-50-8	M1
Lead	**9.7**	mg/kg	0.29	0.048	1	08/17/11 13:07	08/17/11 18:49	7439-92-1	M1
Selenium	ND	mg/kg	0.73	0.13	1	08/17/11 13:07	08/18/11 09:17	7782-49-2	
Silver	ND	mg/kg	0.48	0.029	1	08/17/11 13:07	08/17/11 18:49	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.12**	mg/kg	0.020	0.0016	1	08/17/11 13:38	08/18/11 14:30	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**9.5**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	83-32-9	
Acenaphthylene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	208-96-8	
Anthracene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	85-68-7	
Carbazole	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	59-50-7	
4-Chloroaniline	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.36	0.063	1	08/17/11 07:37	08/19/11 19:03	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.36	0.066	1	08/17/11 07:37	08/19/11 19:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.36	0.063	1	08/17/11 07:37	08/19/11 19:03	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	91-58-7	
2-Chlorophenol	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 19:03	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	7005-72-3	
Chrysene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	53-70-3	
Dibenzofuran	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.36	0.067	1	08/17/11 07:37	08/19/11 19:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.36	0.062	1	08/17/11 07:37	08/19/11 19:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 19:03	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.74	0.37	1	08/17/11 07:37	08/19/11 19:03	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	120-83-2	
Diethylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	105-67-9	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-6 **Lab ID: 10166412006** Collected: 08/11/11 11:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dimethylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	117-81-7	
Fluoranthene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	206-44-0	
Fluorene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.36	0.070	1	08/17/11 07:37	08/19/11 19:03	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	118-74-1	
Hexachloroethane	ND	mg/kg	0.36	0.066	1	08/17/11 07:37	08/19/11 19:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	193-39-5	
Isophorone	ND	mg/kg	0.36	0.062	1	08/17/11 07:37	08/19/11 19:03	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.36	0.055	1	08/17/11 07:37	08/19/11 19:03	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.72	0.36	1	08/17/11 07:37	08/19/11 19:03		
Naphthalene	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 19:03	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	100-01-6	
Nitrobenzene	ND	mg/kg	0.36	0.071	1	08/17/11 07:37	08/19/11 19:03	98-95-3	
2-Nitrophenol	ND	mg/kg	0.36	0.066	1	08/17/11 07:37	08/19/11 19:03	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.36	0.061	1	08/17/11 07:37	08/19/11 19:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.36	0.060	1	08/17/11 07:37	08/19/11 19:03	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	86-30-6	
Pentachlorophenol	ND	mg/kg	0.74	0.37	1	08/17/11 07:37	08/19/11 19:03	87-86-5	
Phenanthrene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	85-01-8	
Phenol	ND	mg/kg	0.36	0.064	1	08/17/11 07:37	08/19/11 19:03	108-95-2	
Pyrene	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.36	0.065	1	08/17/11 07:37	08/19/11 19:03	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.93	1	08/17/11 07:37	08/19/11 19:03	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.36	0.18	1	08/17/11 07:37	08/19/11 19:03	88-06-2	
Nitrobenzene-d5 (S)	53	%	50-120		1	08/17/11 07:37	08/19/11 19:03	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-150		1	08/17/11 07:37	08/19/11 19:03	321-60-8	
Terphenyl-d14 (S)	85	%	30-150		1	08/17/11 07:37	08/19/11 19:03	1718-51-0	
Phenol-d6 (S)	56	%	30-149		1	08/17/11 07:37	08/19/11 19:03	13127-88-3	
2-Fluorophenol (S)	51	%	30-147		1	08/17/11 07:37	08/19/11 19:03	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/17/11 07:37	08/19/11 19:03	118-79-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-6 **Lab ID: 10166412006** Collected: 08/11/11 11:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.54	0.27	1	08/15/11 13:42	08/17/11 01:09	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.071	1	08/15/11 13:42	08/17/11 01:09	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/15/11 13:42	08/17/11 01:09	71-43-2	
Bromobenzene	ND	mg/kg	0.054	0.016	1	08/15/11 13:42	08/17/11 01:09	108-86-1	
Bromochloromethane	ND	mg/kg	0.054	0.025	1	08/15/11 13:42	08/17/11 01:09	74-97-5	
Bromodichloromethane	ND	mg/kg	0.054	0.021	1	08/15/11 13:42	08/17/11 01:09	75-27-4	
Bromoform	ND	mg/kg	0.22	0.054	1	08/15/11 13:42	08/17/11 01:09	75-25-2	
Bromomethane	ND	mg/kg	0.54	0.082	1	08/15/11 13:42	08/17/11 01:09	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.54	0.27	1	08/15/11 13:42	08/17/11 01:09	78-93-3	
n-Butylbenzene	ND	mg/kg	0.054	0.0051	1	08/15/11 13:42	08/17/11 01:09	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.054	0.0058	1	08/15/11 13:42	08/17/11 01:09	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.054	0.0068	1	08/15/11 13:42	08/17/11 01:09	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.054	0.013	1	08/15/11 13:42	08/17/11 01:09	56-23-5	
Chlorobenzene	ND	mg/kg	0.054	0.012	1	08/15/11 13:42	08/17/11 01:09	108-90-7	
Chloroethane	ND	mg/kg	0.54	0.13	1	08/15/11 13:42	08/17/11 01:09	75-00-3	
Chloroform	ND	mg/kg	0.054	0.012	1	08/15/11 13:42	08/17/11 01:09	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.036	1	08/15/11 13:42	08/17/11 01:09	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.054	0.0074	1	08/15/11 13:42	08/17/11 01:09	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.054	0.0073	1	08/15/11 13:42	08/17/11 01:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.041	1	08/15/11 13:42	08/17/11 01:09	96-12-8	
Dibromochloromethane	ND	mg/kg	0.054	0.012	1	08/15/11 13:42	08/17/11 01:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.054	0.017	1	08/15/11 13:42	08/17/11 01:09	106-93-4	
Dibromomethane	ND	mg/kg	0.054	0.021	1	08/15/11 13:42	08/17/11 01:09	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.054	0.017	1	08/15/11 13:42	08/17/11 01:09	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.054	0.0069	1	08/15/11 13:42	08/17/11 01:09	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.054	0.0097	1	08/15/11 13:42	08/17/11 01:09	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.054	0.016	1	08/15/11 13:42	08/17/11 01:09	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.054	0.018	1	08/15/11 13:42	08/17/11 01:09	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.054	0.014	1	08/15/11 13:42	08/17/11 01:09	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.054	0.027	1	08/15/11 13:42	08/17/11 01:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.054	0.018	1	08/15/11 13:42	08/17/11 01:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.054	0.015	1	08/15/11 13:42	08/17/11 01:09	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.54	0.028	1	08/15/11 13:42	08/17/11 01:09	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.054	0.024	1	08/15/11 13:42	08/17/11 01:09	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.054	0.0090	1	08/15/11 13:42	08/17/11 01:09	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/15/11 13:42	08/17/11 01:09	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.054	0.012	1	08/15/11 13:42	08/17/11 01:09	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.054	0.0094	1	08/15/11 13:42	08/17/11 01:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.054	0.010	1	08/15/11 13:42	08/17/11 01:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.036	1	08/15/11 13:42	08/17/11 01:09	60-29-7	
Ethylbenzene	ND	mg/kg	0.054	0.0030	1	08/15/11 13:42	08/17/11 01:09	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.27	0.0061	1	08/15/11 13:42	08/17/11 01:09	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.054	0.0068	1	08/15/11 13:42	08/17/11 01:09	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.054	0.0093	1	08/15/11 13:42	08/17/11 01:09	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/15/11 13:42	08/17/11 01:09	75-09-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-6 **Lab ID: 10166412006** Collected: 08/11/11 11:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.54	0.27	1	08/15/11 13:42	08/17/11 01:09	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.054	0.018	1	08/15/11 13:42	08/17/11 01:09	1634-04-4	
Naphthalene	ND	mg/kg	0.22	0.0093	1	08/15/11 13:42	08/17/11 01:09	91-20-3	
n-Propylbenzene	ND	mg/kg	0.054	0.0043	1	08/15/11 13:42	08/17/11 01:09	103-65-1	
Styrene	ND	mg/kg	0.054	0.0068	1	08/15/11 13:42	08/17/11 01:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/15/11 13:42	08/17/11 01:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.054	0.013	1	08/15/11 13:42	08/17/11 01:09	79-34-5	
Tetrachloroethene	ND	mg/kg	0.054	0.014	1	08/15/11 13:42	08/17/11 01:09	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.16	1	08/15/11 13:42	08/17/11 01:09	109-99-9	
Toluene	ND	mg/kg	0.054	0.0081	1	08/15/11 13:42	08/17/11 01:09	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.054	0.015	1	08/15/11 13:42	08/17/11 01:09	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.054	0.012	1	08/15/11 13:42	08/17/11 01:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.054	0.0070	1	08/15/11 13:42	08/17/11 01:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.054	0.023	1	08/15/11 13:42	08/17/11 01:09	79-00-5	
Trichloroethene	ND	mg/kg	0.054	0.018	1	08/15/11 13:42	08/17/11 01:09	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/15/11 13:42	08/17/11 01:09	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.017	1	08/15/11 13:42	08/17/11 01:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.054	0.021	1	08/15/11 13:42	08/17/11 01:09	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.054	0.0079	1	08/15/11 13:42	08/17/11 01:09	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.054	0.0072	1	08/15/11 13:42	08/17/11 01:09	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/15/11 13:42	08/17/11 01:09	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.029	1	08/15/11 13:42	08/17/11 01:09	1330-20-7	
Dibromofluoromethane (S)	93	%	30-150		1	08/15/11 13:42	08/17/11 01:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	87	%	30-150		1	08/15/11 13:42	08/17/11 01:09	17060-07-0	
Toluene-d8 (S)	91	%	30-150		1	08/15/11 13:42	08/17/11 01:09	2037-26-5	
4-Bromofluorobenzene (S)	95	%	30-150		1	08/15/11 13:42	08/17/11 01:09	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-24-13W **Lab ID: 10166412007** Collected: 08/11/11 09:50 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	111-44-4	
2-Chlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.9	1.7	1	08/17/11 10:47	08/19/11 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.9	1.3	1	08/17/11 10:47	08/19/11 17:59	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	108-60-1	
3&4-Methylphenol	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 17:59		
N-Nitroso-di-n-propylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	621-64-7	
Hexachloroethane	ND	ug/L	10.9	1.6	1	08/17/11 10:47	08/19/11 17:59	67-72-1	
Nitrobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	98-95-3	
Isophorone	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	78-59-1	
2-Nitrophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.9	4.6	1	08/17/11 10:47	08/19/11 17:59	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	120-82-1	
Naphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	91-20-3	
4-Chloroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	91-58-7	
2-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	88-74-4	
Dimethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	131-11-3	
Acenaphthylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	606-20-2	
3-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	99-09-2	
Acenaphthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	51-28-5	
4-Nitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	100-02-7	
Dibenzofuran	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	121-14-2	
Diethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	7005-72-3	
Fluorene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	86-73-7	
4-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 17:59	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	101-55-3	
Hexachlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	118-74-1	
Pentachlorophenol	ND	ug/L	25.0	12.5	1	08/17/11 10:47	08/19/11 17:59	87-86-5	
Phenanthrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-24-13W **Lab ID: 10166412007** Collected: 08/11/11 09:50 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	84-74-2	
Fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	206-44-0	
Pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 17:59	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	56-55-3	
Chrysene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 17:59	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.9	3.3	1	08/17/11 10:47	08/19/11 17:59	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	122-66-7	
Carbazole	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 17:59	90-12-0	
Nitrobenzene-d5 (S)	70	%	30-150		1	08/17/11 10:47	08/19/11 17:59	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-150		1	08/17/11 10:47	08/19/11 17:59	321-60-8	
Terphenyl-d14 (S)	89	%	30-150		1	08/17/11 10:47	08/19/11 17:59	1718-51-0	
Phenol-d6 (S)	69	%	30-150		1	08/17/11 10:47	08/19/11 17:59	13127-88-3	
2-Fluorophenol (S)	67	%	30-148		1	08/17/11 10:47	08/19/11 17:59	367-12-4	
2,4,6-Tribromophenol (S)	89	%	30-150		1	08/17/11 10:47	08/19/11 17:59	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 21:27	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 21:27	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 21:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 21:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 21:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 21:27	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 21:27	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 21:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 21:27	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:27	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 21:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 21:27	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 21:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 21:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 21:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 21:27	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 21:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 21:27	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-24-13W **Lab ID: 10166412007** Collected: 08/11/11 09:50 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 21:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 21:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 21:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 21:27	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 21:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 21:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 21:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 21:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 21:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 21:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 21:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 21:27	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 21:27	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 21:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 21:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 21:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 21:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 21:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 21:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 21:27	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 21:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 21:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 21:27	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 21:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 21:27	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/16/11 21:27	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 21:27	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 21:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 21:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 21:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 21:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 21:27	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 21:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 21:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 21:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 21:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 21:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 21:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 21:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 21:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 21:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 21:27	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-24-13W **Lab ID: 10166412007** Collected: 08/11/11 09:50 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:27	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 21:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 21:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 21:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 21:27	95-47-6	
Dibromofluoromethane (S)	103	%	75-125		1		08/16/11 21:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125		1		08/16/11 21:27	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/16/11 21:27	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125		1		08/16/11 21:27	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-8W **Lab ID: 10166412008** Collected: 08/11/11 11:10 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.11	0.053	1	08/16/11 07:56	08/19/11 10:01		
n-Triacontane (S)	70	%	50-150		1	08/16/11 07:56	08/19/11 10:01		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 00:12		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1		08/16/11 00:12	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 15:57	7440-38-2	
Barium	**31.4**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 15:57	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 15:57	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 15:57	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 15:57	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 15:57	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 15:57	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:43	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	111-44-4	
2-Chlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.9	1.7	1	08/17/11 10:47	08/19/11 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.9	1.3	1	08/17/11 10:47	08/19/11 18:24	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	108-60-1	
3&4-Methylphenol	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 18:24		
N-Nitroso-di-n-propylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	621-64-7	
Hexachloroethane	ND	ug/L	10.9	1.6	1	08/17/11 10:47	08/19/11 18:24	67-72-1	
Nitrobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	98-95-3	
Isophorone	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	78-59-1	
2-Nitrophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.9	4.6	1	08/17/11 10:47	08/19/11 18:24	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	120-82-1	
Naphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	91-20-3	
4-Chloroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-8W **Lab ID: 10166412008** Collected: 08/11/11 11:10 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	91-58-7	
2-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	88-74-4	
Dimethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	131-11-3	
Acenaphthylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	606-20-2	
3-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	99-09-2	
Acenaphthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	51-28-5	
4-Nitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	100-02-7	
Dibenzofuran	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	121-14-2	
Diethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	7005-72-3	
Fluorene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	86-73-7	
4-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 18:24	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	101-55-3	
Hexachlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	118-74-1	
Pentachlorophenol	ND	ug/L	25.0	12.5	1	08/17/11 10:47	08/19/11 18:24	87-86-5	
Phenanthrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	85-01-8	
Anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	84-74-2	
Fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	206-44-0	
Pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 18:24	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	56-55-3	
Chrysene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 18:24	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.9	3.3	1	08/17/11 10:47	08/19/11 18:24	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	122-66-7	
Carbazole	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 18:24	90-12-0	
Nitrobenzene-d5 (S)	76	%	30-150		1	08/17/11 10:47	08/19/11 18:24	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-150		1	08/17/11 10:47	08/19/11 18:24	321-60-8	
Terphenyl-d14 (S)	94	%	30-150		1	08/17/11 10:47	08/19/11 18:24	1718-51-0	
Phenol-d6 (S)	77	%	30-150		1	08/17/11 10:47	08/19/11 18:24	13127-88-3	
2-Fluorophenol (S)	72	%	30-148		1	08/17/11 10:47	08/19/11 18:24	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-8W **Lab ID: 10166412008** Collected: 08/11/11 11:10 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	87	%	30-150		1	08/17/11 10:47	08/19/11 18:24	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/16/11 21:44	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/16/11 21:44	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/16/11 21:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/16/11 21:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/16/11 21:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/16/11 21:44	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/16/11 21:44	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/16/11 21:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/16/11 21:44	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/16/11 21:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/16/11 21:44	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/16/11 21:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 21:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/16/11 21:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/16/11 21:44	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/16/11 21:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/16/11 21:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/16/11 21:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/16/11 21:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/16/11 21:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/16/11 21:44	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/16/11 21:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/16/11 21:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/16/11 21:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/16/11 21:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/16/11 21:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 21:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/16/11 21:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/16/11 21:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/16/11 21:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/16/11 21:44	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/16/11 21:44	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/16/11 21:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/16/11 21:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/16/11 21:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/16/11 21:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/16/11 21:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/16/11 21:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/16/11 21:44	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/16/11 21:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/16/11 21:44	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-25-8W **Lab ID: 10166412008** Collected: 08/11/11 11:10 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/16/11 21:44	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/16/11 21:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/16/11 21:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/16/11 21:44	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/16/11 21:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/16/11 21:44	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/16/11 21:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/16/11 21:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/16/11 21:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/16/11 21:44	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/16/11 21:44	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/16/11 21:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/16/11 21:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/16/11 21:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/16/11 21:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/16/11 21:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/16/11 21:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/16/11 21:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/16/11 21:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/16/11 21:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/16/11 21:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/16/11 21:44	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/16/11 21:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/16/11 21:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/16/11 21:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/16/11 21:44	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/16/11 21:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125		1		08/16/11 21:44	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/16/11 21:44	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/16/11 21:44	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-4 **Lab ID: 10166412009** Collected: 08/11/11 12:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.036	0.0077	1	08/18/11 09:57	08/18/11 20:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.036	0.0088	1	08/18/11 09:57	08/18/11 20:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.036	0.0066	1	08/18/11 09:57	08/18/11 20:06	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.036	0.0077	1	08/18/11 09:57	08/18/11 20:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.036	0.0077	1	08/18/11 09:57	08/18/11 20:06	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.036	0.0099	1	08/18/11 09:57	08/18/11 20:06	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	0.036	0.0066	1	08/18/11 09:57	08/18/11 20:06	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	mg/kg	0.036	0.0088	1	08/18/11 09:57	08/18/11 20:06	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	0.036	0.019	1	08/18/11 09:57	08/18/11 20:06	11100-14-4	
Tetrachloro-m-xylene (S)	93	%	30-150		1	08/18/11 09:57	08/18/11 20:06	877-09-8	
Decachlorobiphenyl (S)	91	%	30-150		1	08/18/11 09:57	08/18/11 20:06	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.0	0.59	1	08/16/11 14:21	08/17/11 20:19		
n-Triacontane (S)	68	%	50-150		1	08/16/11 14:21	08/17/11 20:19		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.6	2.5	1	08/16/11 14:01	08/18/11 21:54		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/16/11 14:01	08/18/11 21:54	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.8**	mg/kg	0.52	0.26	1	08/16/11 11:50	08/16/11 18:11	7440-38-2	
Barium	**20.6**	mg/kg	0.52	0.021	1	08/16/11 11:50	08/16/11 18:11	7440-39-3	
Cadmium	**0.066**	mg/kg	0.052	0.010	1	08/16/11 11:50	08/16/11 18:11	7440-43-9	
Chromium	**5.2**	mg/kg	0.52	0.073	1	08/16/11 11:50	08/16/11 18:11	7440-47-3	
Lead	**5.8**	mg/kg	0.31	0.052	1	08/16/11 11:50	08/16/11 18:11	7439-92-1	
Selenium	ND	mg/kg	0.79	0.14	1	08/16/11 11:50	08/16/11 18:11	7782-49-2	
Silver	ND	mg/kg	0.52	0.031	1	08/16/11 11:50	08/16/11 18:11	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.0017	1	08/16/11 08:17	08/17/11 10:32	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**10.1**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	83-32-9	
Acenaphthylene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	208-96-8	
Anthracene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	120-12-7	
Benzo(a)anthracene	**0.68**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	56-55-3	
Benzo(a)pyrene	**0.75**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	50-32-8	
Benzo(b)fluoranthene	**1.1**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	205-99-2	
Benzo(g,h,i)perylene	**0.53**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	191-24-2	
Benzo(k)fluoranthene	**0.44**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	207-08-9	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-4 **Lab ID: 10166412009** Collected: 08/11/11 12:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Bromophenylphenyl ether	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	85-68-7	
Carbazole	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	59-50-7	
4-Chloroaniline	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/20/11 13:58	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.37	0.067	1	08/17/11 07:37	08/20/11 13:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/20/11 13:58	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	91-58-7	
2-Chlorophenol	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/20/11 13:58	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	7005-72-3	
Chrysene	**0.83**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	53-70-3	
Dibenzofuran	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/20/11 13:58	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.37	0.063	1	08/17/11 07:37	08/20/11 13:58	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/20/11 13:58	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.75	0.37	1	08/17/11 07:37	08/20/11 13:58	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	120-83-2	
Diethylphthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	105-67-9	
Dimethylphthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	117-81-7	
Fluoranthene	**1.3**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	206-44-0	
Fluorene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.37	0.071	1	08/17/11 07:37	08/20/11 13:58	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	118-74-1	
Hexachloroethane	ND	mg/kg	0.37	0.067	1	08/17/11 07:37	08/20/11 13:58	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.47**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	193-39-5	
Isophorone	ND	mg/kg	0.37	0.063	1	08/17/11 07:37	08/20/11 13:58	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.37	0.056	1	08/17/11 07:37	08/20/11 13:58	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.73	0.37	1	08/17/11 07:37	08/20/11 13:58		
Naphthalene	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/20/11 13:58	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	100-01-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-4 **Lab ID: 10166412009** Collected: 08/11/11 12:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene	ND	mg/kg	0.37	0.072	1	08/17/11 07:37	08/20/11 13:58	98-95-3	
2-Nitrophenol	ND	mg/kg	0.37	0.067	1	08/17/11 07:37	08/20/11 13:58	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.37	0.062	1	08/17/11 07:37	08/20/11 13:58	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.37	0.061	1	08/17/11 07:37	08/20/11 13:58	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	86-30-6	
Pentachlorophenol	ND	mg/kg	0.75	0.37	1	08/17/11 07:37	08/20/11 13:58	87-86-5	
Phenanthrene	**0.52**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	85-01-8	
Phenol	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/20/11 13:58	108-95-2	
Pyrene	**1.2**	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/20/11 13:58	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.95	1	08/17/11 07:37	08/20/11 13:58	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.37	0.18	1	08/17/11 07:37	08/20/11 13:58	88-06-2	
Nitrobenzene-d5 (S)	67	%	50-120		1	08/17/11 07:37	08/20/11 13:58	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-150		1	08/17/11 07:37	08/20/11 13:58	321-60-8	
Terphenyl-d14 (S)	86	%	30-150		1	08/17/11 07:37	08/20/11 13:58	1718-51-0	
Phenol-d6 (S)	72	%	30-149		1	08/17/11 07:37	08/20/11 13:58	13127-88-3	
2-Fluorophenol (S)	68	%	30-147		1	08/17/11 07:37	08/20/11 13:58	367-12-4	
2,4,6-Tribromophenol (S)	83	%	30-150		1	08/17/11 07:37	08/20/11 13:58	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.57	0.28	1	08/15/11 13:42	08/17/11 00:07	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.074	1	08/15/11 13:42	08/17/11 00:07	107-05-1	
Benzene	ND	mg/kg	0.023	0.011	1	08/15/11 13:42	08/17/11 00:07	71-43-2	
Bromobenzene	ND	mg/kg	0.057	0.017	1	08/15/11 13:42	08/17/11 00:07	108-86-1	
Bromochloromethane	ND	mg/kg	0.057	0.026	1	08/15/11 13:42	08/17/11 00:07	74-97-5	
Bromodichloromethane	ND	mg/kg	0.057	0.022	1	08/15/11 13:42	08/17/11 00:07	75-27-4	
Bromoform	ND	mg/kg	0.23	0.056	1	08/15/11 13:42	08/17/11 00:07	75-25-2	
Bromomethane	ND	mg/kg	0.57	0.086	1	08/15/11 13:42	08/17/11 00:07	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.57	0.28	1	08/15/11 13:42	08/17/11 00:07	78-93-3	
n-Butylbenzene	ND	mg/kg	0.057	0.0054	1	08/15/11 13:42	08/17/11 00:07	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.057	0.0061	1	08/15/11 13:42	08/17/11 00:07	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.057	0.0072	1	08/15/11 13:42	08/17/11 00:07	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.057	0.013	1	08/15/11 13:42	08/17/11 00:07	56-23-5	
Chlorobenzene	ND	mg/kg	0.057	0.013	1	08/15/11 13:42	08/17/11 00:07	108-90-7	
Chloroethane	ND	mg/kg	0.57	0.14	1	08/15/11 13:42	08/17/11 00:07	75-00-3	
Chloroform	ND	mg/kg	0.057	0.013	1	08/15/11 13:42	08/17/11 00:07	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.038	1	08/15/11 13:42	08/17/11 00:07	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.057	0.0077	1	08/15/11 13:42	08/17/11 00:07	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.057	0.0077	1	08/15/11 13:42	08/17/11 00:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.043	1	08/15/11 13:42	08/17/11 00:07	96-12-8	
Dibromochloromethane	ND	mg/kg	0.057	0.012	1	08/15/11 13:42	08/17/11 00:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.057	0.018	1	08/15/11 13:42	08/17/11 00:07	106-93-4	
Dibromomethane	ND	mg/kg	0.057	0.023	1	08/15/11 13:42	08/17/11 00:07	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.057	0.018	1	08/15/11 13:42	08/17/11 00:07	95-50-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-4 **Lab ID: 10166412009** Collected: 08/11/11 12:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichlorobenzene	ND	mg/kg	0.057	0.0073	1	08/15/11 13:42	08/17/11 00:07	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.057	0.010	1	08/15/11 13:42	08/17/11 00:07	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.057	0.017	1	08/15/11 13:42	08/17/11 00:07	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.057	0.019	1	08/15/11 13:42	08/17/11 00:07	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.057	0.015	1	08/15/11 13:42	08/17/11 00:07	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.057	0.029	1	08/15/11 13:42	08/17/11 00:07	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.057	0.019	1	08/15/11 13:42	08/17/11 00:07	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.057	0.016	1	08/15/11 13:42	08/17/11 00:07	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.57	0.030	1	08/15/11 13:42	08/17/11 00:07	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.057	0.025	1	08/15/11 13:42	08/17/11 00:07	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.057	0.0094	1	08/15/11 13:42	08/17/11 00:07	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/15/11 13:42	08/17/11 00:07	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.057	0.013	1	08/15/11 13:42	08/17/11 00:07	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.057	0.0099	1	08/15/11 13:42	08/17/11 00:07	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.057	0.011	1	08/15/11 13:42	08/17/11 00:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.038	1	08/15/11 13:42	08/17/11 00:07	60-29-7	
Ethylbenzene	ND	mg/kg	0.057	0.0032	1	08/15/11 13:42	08/17/11 00:07	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0064	1	08/15/11 13:42	08/17/11 00:07	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.057	0.0072	1	08/15/11 13:42	08/17/11 00:07	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.057	0.0098	1	08/15/11 13:42	08/17/11 00:07	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.11	1	08/15/11 13:42	08/17/11 00:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.57	0.28	1	08/15/11 13:42	08/17/11 00:07	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.057	0.019	1	08/15/11 13:42	08/17/11 00:07	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.0097	1	08/15/11 13:42	08/17/11 00:07	91-20-3	
n-Propylbenzene	ND	mg/kg	0.057	0.0045	1	08/15/11 13:42	08/17/11 00:07	103-65-1	
Styrene	ND	mg/kg	0.057	0.0072	1	08/15/11 13:42	08/17/11 00:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.057	0.014	1	08/15/11 13:42	08/17/11 00:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.057	0.013	1	08/15/11 13:42	08/17/11 00:07	79-34-5	
Tetrachloroethene	ND	mg/kg	0.057	0.015	1	08/15/11 13:42	08/17/11 00:07	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/15/11 13:42	08/17/11 00:07	109-99-9	
Toluene	ND	mg/kg	0.057	0.0085	1	08/15/11 13:42	08/17/11 00:07	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.057	0.016	1	08/15/11 13:42	08/17/11 00:07	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.057	0.012	1	08/15/11 13:42	08/17/11 00:07	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.057	0.0074	1	08/15/11 13:42	08/17/11 00:07	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.057	0.024	1	08/15/11 13:42	08/17/11 00:07	79-00-5	
Trichloroethene	ND	mg/kg	0.057	0.019	1	08/15/11 13:42	08/17/11 00:07	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.028	1	08/15/11 13:42	08/17/11 00:07	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/15/11 13:42	08/17/11 00:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.057	0.023	1	08/15/11 13:42	08/17/11 00:07	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.057	0.0083	1	08/15/11 13:42	08/17/11 00:07	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.057	0.0075	1	08/15/11 13:42	08/17/11 00:07	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/15/11 13:42	08/17/11 00:07	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.031	1	08/15/11 13:42	08/17/11 00:07	1330-20-7	
Dibromofluoromethane (S)	92	%	30-150		1	08/15/11 13:42	08/17/11 00:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	86	%	30-150		1	08/15/11 13:42	08/17/11 00:07	17060-07-0	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-4 **Lab ID: 10166412009** Collected: 08/11/11 12:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	92	%	30-150		1	08/15/11 13:42	08/17/11 00:07	2037-26-5	
4-Bromofluorobenzene (S)	93	%	30-150		1	08/15/11 13:42	08/17/11 00:07	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-23W **Lab ID: 10166412011** Collected: 08/11/11 12:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**0.22**	mg/L	0.12	0.058	1	08/16/11 07:56	08/19/11 10:09		
n-Triacontane (S)	69	%	50-150		1	08/16/11 07:56	08/19/11 10:09		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 00:33		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1		08/16/11 00:33	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 16:04	7440-38-2	
Barium	**246**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 16:04	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 16:04	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 16:04	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 16:04	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 16:04	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 16:04	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:45	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	111-44-4	
2-Chlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.6	1.6	1	08/17/11 10:47	08/19/11 18:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.6	1.3	1	08/17/11 10:47	08/19/11 18:50	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	108-60-1	
3&4-Methylphenol	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 18:50		
N-Nitroso-di-n-propylamine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	621-64-7	
Hexachloroethane	ND	ug/L	10.6	1.6	1	08/17/11 10:47	08/19/11 18:50	67-72-1	
Nitrobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	98-95-3	
Isophorone	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	78-59-1	
2-Nitrophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.6	4.5	1	08/17/11 10:47	08/19/11 18:50	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	120-82-1	
Naphthalene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	91-20-3	
4-Chloroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-23W **Lab ID: 10166412011** Collected: 08/11/11 12:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	91-58-7	
2-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	88-74-4	
Dimethylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	131-11-3	
Acenaphthylene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	606-20-2	
3-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	99-09-2	
Acenaphthene	**24.5**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	51-28-5	
4-Nitrophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	100-02-7	
Dibenzofuran	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	121-14-2	
Diethylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	7005-72-3	
Fluorene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	86-73-7	
4-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 18:50	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	101-55-3	
Hexachlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	118-74-1	
Pentachlorophenol	ND	ug/L	24.5	12.2	1	08/17/11 10:47	08/19/11 18:50	87-86-5	
Phenanthrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	85-01-8	
Anthracene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	84-74-2	
Fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	206-44-0	
Pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 18:50	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	56-55-3	
Chrysene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 18:50	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.6	3.3	1	08/17/11 10:47	08/19/11 18:50	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	122-66-7	
Carbazole	**25.8**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 18:50	90-12-0	
Nitrobenzene-d5 (S)	74	%	30-150		1	08/17/11 10:47	08/19/11 18:50	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-150		1	08/17/11 10:47	08/19/11 18:50	321-60-8	
Terphenyl-d14 (S)	102	%	30-150		1	08/17/11 10:47	08/19/11 18:50	1718-51-0	
Phenol-d6 (S)	75	%	30-150		1	08/17/11 10:47	08/19/11 18:50	13127-88-3	
2-Fluorophenol (S)	69	%	30-148		1	08/17/11 10:47	08/19/11 18:50	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-23W **Lab ID: 10166412011** Collected: 08/11/11 12:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	102	%	30-150		1	08/17/11 10:47	08/19/11 18:50	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/17/11 16:32	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	0.51	1		08/17/11 16:32	107-05-1	
Benzene	**1.3**	ug/L	1.0	0.36	1		08/17/11 16:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/17/11 16:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/17/11 16:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/17/11 16:32	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/17/11 16:32	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/17/11 16:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/17/11 16:32	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:32	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/17/11 16:32	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/17/11 16:32	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/17/11 16:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 16:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/17/11 16:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/17/11 16:32	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/17/11 16:32	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/17/11 16:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/17/11 16:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/17/11 16:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/17/11 16:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/17/11 16:32	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/17/11 16:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/17/11 16:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/17/11 16:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/17/11 16:32	106-46-7	
Dichlorodifluoromethane	**3.0**	ug/L	1.0	0.23	1		08/17/11 16:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 16:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 16:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/17/11 16:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/17/11 16:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/17/11 16:32	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/17/11 16:32	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/17/11 16:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/17/11 16:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/17/11 16:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/17/11 16:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/17/11 16:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/17/11 16:32	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/17/11 16:32	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/17/11 16:32	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/17/11 16:32	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-26-23W **Lab ID: 10166412011** Collected: 08/11/11 12:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/17/11 16:32	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/17/11 16:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/17/11 16:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/17/11 16:32	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/17/11 16:32	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/17/11 16:32	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/17/11 16:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/17/11 16:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/17/11 16:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/17/11 16:32	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/17/11 16:32	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/17/11 16:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/17/11 16:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 16:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/17/11 16:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/17/11 16:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/17/11 16:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/17/11 16:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/17/11 16:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/17/11 16:32	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/17/11 16:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:32	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/17/11 16:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/17/11 16:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/17/11 16:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/17/11 16:32	95-47-6	
Dibromofluoromethane (S)	104	%	75-125		1		08/17/11 16:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		08/17/11 16:32	17060-07-0	
Toluene-d8 (S)	100	%	75-125		1		08/17/11 16:32	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/17/11 16:32	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-27-8 **Lab ID: 10166412012** Collected: 08/11/11 13:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	8.3	0.54	1	08/16/11 14:21	08/17/11 20:43		
n-Triacontane (S)	64	%	50-150		1	08/16/11 14:21	08/17/11 20:43		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.0	2.2	1	08/16/11 14:01	08/18/11 22:16		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1	08/16/11 14:01	08/18/11 22:16	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.4**	mg/kg	0.49	0.25	1	08/16/11 11:50	08/16/11 18:17	7440-38-2	
Barium	**9.5**	mg/kg	0.49	0.020	1	08/16/11 11:50	08/16/11 18:17	7440-39-3	
Cadmium	ND	mg/kg	0.049	0.0098	1	08/16/11 11:50	08/16/11 18:17	7440-43-9	
Chromium	**4.2**	mg/kg	0.49	0.069	1	08/16/11 11:50	08/16/11 18:17	7440-47-3	
Lead	**2.6**	mg/kg	0.29	0.049	1	08/16/11 11:50	08/16/11 18:17	7439-92-1	
Selenium	ND	mg/kg	0.74	0.13	1	08/16/11 11:50	08/16/11 18:17	7782-49-2	
Silver	ND	mg/kg	0.49	0.029	1	08/16/11 11:50	08/16/11 18:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.018	0.0015	1	08/16/11 08:17	08/17/11 10:35	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**3.0**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	83-32-9	
Acenaphthylene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	208-96-8	
Anthracene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	85-68-7	
Carbazole	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	59-50-7	
4-Chloroaniline	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.34	0.059	1	08/17/11 07:37	08/19/11 19:32	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.34	0.061	1	08/17/11 07:37	08/19/11 19:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.34	0.059	1	08/17/11 07:37	08/19/11 19:32	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	91-58-7	
2-Chlorophenol	ND	mg/kg	0.34	0.060	1	08/17/11 07:37	08/19/11 19:32	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	7005-72-3	
Chrysene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-27-8 **Lab ID: 10166412012** Collected: 08/11/11 13:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.34	0.063	1	08/17/11 07:37	08/19/11 19:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.34	0.058	1	08/17/11 07:37	08/19/11 19:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.34	0.060	1	08/17/11 07:37	08/19/11 19:32	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.69	0.34	1	08/17/11 07:37	08/19/11 19:32	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	120-83-2	
Diethylphthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	105-67-9	
Dimethylphthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	117-81-7	
Fluoranthene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	206-44-0	
Fluorene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.34	0.066	1	08/17/11 07:37	08/19/11 19:32	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	118-74-1	
Hexachloroethane	ND	mg/kg	0.34	0.062	1	08/17/11 07:37	08/19/11 19:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	193-39-5	
Isophorone	ND	mg/kg	0.34	0.058	1	08/17/11 07:37	08/19/11 19:32	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.34	0.051	1	08/17/11 07:37	08/19/11 19:32	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.68	0.34	1	08/17/11 07:37	08/19/11 19:32		
Naphthalene	ND	mg/kg	0.34	0.060	1	08/17/11 07:37	08/19/11 19:32	91-20-3	
2-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	88-74-4	
3-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	99-09-2	
4-Nitroaniline	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	100-01-6	
Nitrobenzene	ND	mg/kg	0.34	0.066	1	08/17/11 07:37	08/19/11 19:32	98-95-3	
2-Nitrophenol	ND	mg/kg	0.34	0.062	1	08/17/11 07:37	08/19/11 19:32	88-75-5	
4-Nitrophenol	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.34	0.057	1	08/17/11 07:37	08/19/11 19:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.34	0.056	1	08/17/11 07:37	08/19/11 19:32	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	86-30-6	
Pentachlorophenol	ND	mg/kg	0.69	0.34	1	08/17/11 07:37	08/19/11 19:32	87-86-5	
Phenanthrene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	85-01-8	
Phenol	ND	mg/kg	0.34	0.059	1	08/17/11 07:37	08/19/11 19:32	108-95-2	
Pyrene	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.34	0.061	1	08/17/11 07:37	08/19/11 19:32	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.7	0.87	1	08/17/11 07:37	08/19/11 19:32	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.34	0.17	1	08/17/11 07:37	08/19/11 19:32	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-27-8 **Lab ID: 10166412012** Collected: 08/11/11 13:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	64	%	50-120		1	08/17/11 07:37	08/19/11 19:32	4165-60-0	
2-Fluorobiphenyl (S)	67	%	30-150		1	08/17/11 07:37	08/19/11 19:32	321-60-8	
Terphenyl-d14 (S)	88	%	30-150		1	08/17/11 07:37	08/19/11 19:32	1718-51-0	
Phenol-d6 (S)	64	%	30-149		1	08/17/11 07:37	08/19/11 19:32	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		1	08/17/11 07:37	08/19/11 19:32	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-150		1	08/17/11 07:37	08/19/11 19:32	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.50	0.25	1	08/15/11 13:42	08/17/11 01:29	67-64-1	
Allyl chloride	ND	mg/kg	0.20	0.066	1	08/15/11 13:42	08/17/11 01:29	107-05-1	
Benzene	ND	mg/kg	0.020	0.0099	1	08/15/11 13:42	08/17/11 01:29	71-43-2	
Bromobenzene	ND	mg/kg	0.050	0.015	1	08/15/11 13:42	08/17/11 01:29	108-86-1	
Bromochloromethane	ND	mg/kg	0.050	0.023	1	08/15/11 13:42	08/17/11 01:29	74-97-5	
Bromodichloromethane	ND	mg/kg	0.050	0.019	1	08/15/11 13:42	08/17/11 01:29	75-27-4	
Bromoform	ND	mg/kg	0.20	0.050	1	08/15/11 13:42	08/17/11 01:29	75-25-2	
Bromomethane	ND	mg/kg	0.50	0.076	1	08/15/11 13:42	08/17/11 01:29	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.50	0.25	1	08/15/11 13:42	08/17/11 01:29	78-93-3	
n-Butylbenzene	ND	mg/kg	0.050	0.0047	1	08/15/11 13:42	08/17/11 01:29	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.050	0.0053	1	08/15/11 13:42	08/17/11 01:29	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.050	0.0063	1	08/15/11 13:42	08/17/11 01:29	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.050	0.012	1	08/15/11 13:42	08/17/11 01:29	56-23-5	
Chlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 13:42	08/17/11 01:29	108-90-7	
Chloroethane	ND	mg/kg	0.50	0.12	1	08/15/11 13:42	08/17/11 01:29	75-00-3	
Chloroform	ND	mg/kg	0.050	0.011	1	08/15/11 13:42	08/17/11 01:29	67-66-3	
Chloromethane	ND	mg/kg	0.20	0.033	1	08/15/11 13:42	08/17/11 01:29	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/15/11 13:42	08/17/11 01:29	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.050	0.0068	1	08/15/11 13:42	08/17/11 01:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.20	0.038	1	08/15/11 13:42	08/17/11 01:29	96-12-8	
Dibromochloromethane	ND	mg/kg	0.050	0.011	1	08/15/11 13:42	08/17/11 01:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.050	0.015	1	08/15/11 13:42	08/17/11 01:29	106-93-4	
Dibromomethane	ND	mg/kg	0.050	0.020	1	08/15/11 13:42	08/17/11 01:29	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.050	0.015	1	08/15/11 13:42	08/17/11 01:29	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.050	0.0064	1	08/15/11 13:42	08/17/11 01:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.050	0.0089	1	08/15/11 13:42	08/17/11 01:29	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.050	0.015	1	08/15/11 13:42	08/17/11 01:29	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.050	0.017	1	08/15/11 13:42	08/17/11 01:29	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.050	0.013	1	08/15/11 13:42	08/17/11 01:29	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.050	0.025	1	08/15/11 13:42	08/17/11 01:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.050	0.017	1	08/15/11 13:42	08/17/11 01:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.050	0.014	1	08/15/11 13:42	08/17/11 01:29	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.50	0.026	1	08/15/11 13:42	08/17/11 01:29	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.050	0.022	1	08/15/11 13:42	08/17/11 01:29	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.050	0.0083	1	08/15/11 13:42	08/17/11 01:29	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.20	0.020	1	08/15/11 13:42	08/17/11 01:29	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.050	0.011	1	08/15/11 13:42	08/17/11 01:29	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-27-8 **Lab ID: 10166412012** Collected: 08/11/11 13:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.050	0.0087	1	08/15/11 13:42	08/17/11 01:29	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.050	0.0093	1	08/15/11 13:42	08/17/11 01:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.20	0.033	1	08/15/11 13:42	08/17/11 01:29	60-29-7	
Ethylbenzene	ND	mg/kg	0.050	0.0028	1	08/15/11 13:42	08/17/11 01:29	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.25	0.0057	1	08/15/11 13:42	08/17/11 01:29	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.050	0.0063	1	08/15/11 13:42	08/17/11 01:29	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.050	0.0086	1	08/15/11 13:42	08/17/11 01:29	99-87-6	
Methylene Chloride	ND	mg/kg	0.20	0.10	1	08/15/11 13:42	08/17/11 01:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.50	0.25	1	08/15/11 13:42	08/17/11 01:29	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.050	0.017	1	08/15/11 13:42	08/17/11 01:29	1634-04-4	
Naphthalene	ND	mg/kg	0.20	0.0086	1	08/15/11 13:42	08/17/11 01:29	91-20-3	
n-Propylbenzene	ND	mg/kg	0.050	0.0040	1	08/15/11 13:42	08/17/11 01:29	103-65-1	
Styrene	ND	mg/kg	0.050	0.0063	1	08/15/11 13:42	08/17/11 01:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 13:42	08/17/11 01:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.050	0.012	1	08/15/11 13:42	08/17/11 01:29	79-34-5	
Tetrachloroethene	ND	mg/kg	0.050	0.013	1	08/15/11 13:42	08/17/11 01:29	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.0	0.15	1	08/15/11 13:42	08/17/11 01:29	109-99-9	
Toluene	ND	mg/kg	0.050	0.0075	1	08/15/11 13:42	08/17/11 01:29	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.050	0.014	1	08/15/11 13:42	08/17/11 01:29	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.050	0.011	1	08/15/11 13:42	08/17/11 01:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.050	0.0065	1	08/15/11 13:42	08/17/11 01:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.050	0.021	1	08/15/11 13:42	08/17/11 01:29	79-00-5	
Trichloroethene	ND	mg/kg	0.050	0.016	1	08/15/11 13:42	08/17/11 01:29	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.20	0.025	1	08/15/11 13:42	08/17/11 01:29	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.20	0.016	1	08/15/11 13:42	08/17/11 01:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.050	0.020	1	08/15/11 13:42	08/17/11 01:29	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.050	0.0074	1	08/15/11 13:42	08/17/11 01:29	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.050	0.0066	1	08/15/11 13:42	08/17/11 01:29	108-67-8	
Vinyl chloride	ND	mg/kg	0.020	0.0093	1	08/15/11 13:42	08/17/11 01:29	75-01-4	
Xylene (Total)	ND	mg/kg	0.15	0.027	1	08/15/11 13:42	08/17/11 01:29	1330-20-7	
Dibromofluoromethane (S)	82	%	30-150		1	08/15/11 13:42	08/17/11 01:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	77	%	30-150		1	08/15/11 13:42	08/17/11 01:29	17060-07-0	
Toluene-d8 (S)	81	%	30-150		1	08/15/11 13:42	08/17/11 01:29	2037-26-5	
4-Bromofluorobenzene (S)	83	%	30-150		1	08/15/11 13:42	08/17/11 01:29	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-8 **Lab ID: 10166412013** Collected: 08/11/11 14:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**19.5**	mg/kg	8.9	0.58	1	08/16/11 14:21	08/17/11 21:13		T6
n-Triacontane (S)	84	%	50-150		1	08/16/11 14:21	08/17/11 21:13		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.8	2.5	1	08/16/11 14:01	08/18/11 22:38		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/16/11 14:01	08/18/11 22:38	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.0**	mg/kg	0.54	0.27	1	08/16/11 11:50	08/16/11 18:24	7440-38-2	
Barium	**40.0**	mg/kg	0.54	0.021	1	08/16/11 11:50	08/16/11 18:24	7440-39-3	
Cadmium	**0.18**	mg/kg	0.054	0.011	1	08/16/11 11:50	08/16/11 18:24	7440-43-9	
Chromium	**9.8**	mg/kg	0.54	0.075	1	08/16/11 11:50	08/16/11 18:24	7440-47-3	
Lead	**111**	mg/kg	0.32	0.054	1	08/16/11 11:50	08/16/11 18:24	7439-92-1	
Selenium	ND	mg/kg	0.80	0.14	1	08/16/11 11:50	08/16/11 18:24	7782-49-2	
Silver	ND	mg/kg	0.54	0.032	1	08/16/11 11:50	08/16/11 18:24	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 09/01/11 13:02								
Lead	ND	mg/L	0.015	0.0075	5	09/01/11 14:39	09/02/11 09:31	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.023	0.0018	1	08/16/11 08:17	08/17/11 10:37	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**11.9**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	83-32-9	
Acenaphthylene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	208-96-8	
Anthracene	**0.40**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	120-12-7	
Benzo(a)anthracene	**1.5**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	56-55-3	
Benzo(a)pyrene	**1.7**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	50-32-8	
Benzo(b)fluoranthene	**2.4**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	205-99-2	
Benzo(g,h,i)perylene	**1.5**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	191-24-2	
Benzo(k)fluoranthene	**0.72**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	85-68-7	
Carbazole	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	59-50-7	
4-Chloroaniline	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/19/11 20:01	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/19/11 20:01	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	91-58-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-8 **Lab ID: 10166412013** Collected: 08/11/11 14:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chlorophenol	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:01	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	7005-72-3	
Chrysene	**1.7**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	53-70-3	
Dibenzofuran	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.37	0.069	1	08/17/11 07:37	08/19/11 20:01	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/19/11 20:01	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:01	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.76	0.38	1	08/17/11 07:37	08/19/11 20:01	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	120-83-2	
Diethylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	105-67-9	
Dimethylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	117-81-7	
Fluoranthene	**3.4**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	206-44-0	
Fluorene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.37	0.073	1	08/17/11 07:37	08/19/11 20:01	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	118-74-1	
Hexachloroethane	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:01	67-72-1	
Indeno(1,2,3-cd)pyrene	**1.2**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	193-39-5	
Isophorone	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/19/11 20:01	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.37	0.057	1	08/17/11 07:37	08/19/11 20:01	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.75	0.37	1	08/17/11 07:37	08/19/11 20:01		
Naphthalene	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:01	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	100-01-6	
Nitrobenzene	ND	mg/kg	0.37	0.073	1	08/17/11 07:37	08/19/11 20:01	98-95-3	
2-Nitrophenol	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:01	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.37	0.063	1	08/17/11 07:37	08/19/11 20:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.37	0.062	1	08/17/11 07:37	08/19/11 20:01	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	86-30-6	
Pentachlorophenol	ND	mg/kg	0.76	0.38	1	08/17/11 07:37	08/19/11 20:01	87-86-5	
Phenanthrene	**1.3**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	85-01-8	
Phenol	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/19/11 20:01	108-95-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-8 **Lab ID: 10166412013** Collected: 08/11/11 14:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Pyrene	**2.6**	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.37	0.067	1	08/17/11 07:37	08/19/11 20:01	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:01	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:01	88-06-2	
Nitrobenzene-d5 (S)	68	%	50-120		1	08/17/11 07:37	08/19/11 20:01	4165-60-0	
2-Fluorobiphenyl (S)	82	%	30-150		1	08/17/11 07:37	08/19/11 20:01	321-60-8	
Terphenyl-d14 (S)	87	%	30-150		1	08/17/11 07:37	08/19/11 20:01	1718-51-0	
Phenol-d6 (S)	79	%	30-149		1	08/17/11 07:37	08/19/11 20:01	13127-88-3	
2-Fluorophenol (S)	68	%	30-147		1	08/17/11 07:37	08/19/11 20:01	367-12-4	
2,4,6-Tribromophenol (S)	90	%	30-150		1	08/17/11 07:37	08/19/11 20:01	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 01:50	67-64-1	
Allyl chloride	ND	mg/kg	0.22	0.073	1	08/15/11 13:42	08/17/11 01:50	107-05-1	
Benzene	ND	mg/kg	0.022	0.011	1	08/15/11 13:42	08/17/11 01:50	71-43-2	
Bromobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 01:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.055	0.025	1	08/15/11 13:42	08/17/11 01:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 01:50	75-27-4	
Bromoform	ND	mg/kg	0.22	0.055	1	08/15/11 13:42	08/17/11 01:50	75-25-2	
Bromomethane	ND	mg/kg	0.55	0.084	1	08/15/11 13:42	08/17/11 01:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 01:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.055	0.0052	1	08/15/11 13:42	08/17/11 01:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.055	0.0059	1	08/15/11 13:42	08/17/11 01:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 01:50	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 01:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 01:50	108-90-7	
Chloroethane	ND	mg/kg	0.55	0.13	1	08/15/11 13:42	08/17/11 01:50	75-00-3	
Chloroform	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 01:50	67-66-3	
Chloromethane	ND	mg/kg	0.22	0.037	1	08/15/11 13:42	08/17/11 01:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/15/11 13:42	08/17/11 01:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.055	0.0075	1	08/15/11 13:42	08/17/11 01:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.22	0.042	1	08/15/11 13:42	08/17/11 01:50	96-12-8	
Dibromochloromethane	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 01:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 01:50	106-93-4	
Dibromomethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 01:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 01:50	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.055	0.0071	1	08/15/11 13:42	08/17/11 01:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.055	0.0099	1	08/15/11 13:42	08/17/11 01:50	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.055	0.017	1	08/15/11 13:42	08/17/11 01:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.055	0.019	1	08/15/11 13:42	08/17/11 01:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.055	0.014	1	08/15/11 13:42	08/17/11 01:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.055	0.028	1	08/15/11 13:42	08/17/11 01:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.055	0.019	1	08/15/11 13:42	08/17/11 01:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.055	0.016	1	08/15/11 13:42	08/17/11 01:50	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.55	0.029	1	08/15/11 13:42	08/17/11 01:50	75-43-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-8 **Lab ID: 10166412013** Collected: 08/11/11 14:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dichloropropane	ND	mg/kg	0.055	0.024	1	08/15/11 13:42	08/17/11 01:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.055	0.0092	1	08/15/11 13:42	08/17/11 01:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.22	0.022	1	08/15/11 13:42	08/17/11 01:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 01:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.055	0.0096	1	08/15/11 13:42	08/17/11 01:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.055	0.010	1	08/15/11 13:42	08/17/11 01:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.22	0.037	1	08/15/11 13:42	08/17/11 01:50	60-29-7	
Ethylbenzene	ND	mg/kg	0.055	0.0031	1	08/15/11 13:42	08/17/11 01:50	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.28	0.0063	1	08/15/11 13:42	08/17/11 01:50	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 01:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.055	0.0095	1	08/15/11 13:42	08/17/11 01:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.22	0.11	1	08/15/11 13:42	08/17/11 01:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.55	0.28	1	08/15/11 13:42	08/17/11 01:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.055	0.018	1	08/15/11 13:42	08/17/11 01:50	1634-04-4	
Naphthalene	ND	mg/kg	0.22	0.0095	1	08/15/11 13:42	08/17/11 01:50	91-20-3	
n-Propylbenzene	ND	mg/kg	0.055	0.0044	1	08/15/11 13:42	08/17/11 01:50	103-65-1	
Styrene	ND	mg/kg	0.055	0.0070	1	08/15/11 13:42	08/17/11 01:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 01:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.055	0.013	1	08/15/11 13:42	08/17/11 01:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.055	0.015	1	08/15/11 13:42	08/17/11 01:50	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.2	0.16	1	08/15/11 13:42	08/17/11 01:50	109-99-9	
Toluene	ND	mg/kg	0.055	0.0083	1	08/15/11 13:42	08/17/11 01:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.055	0.016	1	08/15/11 13:42	08/17/11 01:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.055	0.012	1	08/15/11 13:42	08/17/11 01:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.055	0.0072	1	08/15/11 13:42	08/17/11 01:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.055	0.024	1	08/15/11 13:42	08/17/11 01:50	79-00-5	
Trichloroethene	ND	mg/kg	0.055	0.018	1	08/15/11 13:42	08/17/11 01:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.22	0.027	1	08/15/11 13:42	08/17/11 01:50	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.22	0.018	1	08/15/11 13:42	08/17/11 01:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.055	0.022	1	08/15/11 13:42	08/17/11 01:50	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.055	0.0081	1	08/15/11 13:42	08/17/11 01:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.055	0.0074	1	08/15/11 13:42	08/17/11 01:50	108-67-8	
Vinyl chloride	ND	mg/kg	0.022	0.010	1	08/15/11 13:42	08/17/11 01:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.030	1	08/15/11 13:42	08/17/11 01:50	1330-20-7	
Dibromofluoromethane (S)	86	%	30-150		1	08/15/11 13:42	08/17/11 01:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	81	%	30-150		1	08/15/11 13:42	08/17/11 01:50	17060-07-0	
Toluene-d8 (S)	81	%	30-150		1	08/15/11 13:42	08/17/11 01:50	2037-26-5	
4-Bromofluorobenzene (S)	85	%	30-150		1	08/15/11 13:42	08/17/11 01:50	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-22W **Lab ID: 10166412014** Collected: 08/11/11 14:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.11	0.055	1	08/16/11 07:56	08/19/11 10:17		
n-Triacontane (S)	72	%	50-150		1	08/16/11 07:56	08/19/11 10:17		
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 00:55		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1		08/16/11 00:55	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 16:11	7440-38-2	
Barium	**119**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 16:11	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 16:11	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 16:11	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 16:11	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 16:11	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 16:11	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:47	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/17/11 10:47	08/19/11 19:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/17/11 10:47	08/19/11 19:16	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:16		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/17/11 10:47	08/19/11 19:16	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/17/11 10:47	08/19/11 19:16	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	120-82-1	
Naphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-22W **Lab ID: 10166412014** Collected: 08/11/11 14:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	99-09-2	
Acenaphthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:16	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/17/11 10:47	08/19/11 19:16	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	85-01-8	
Anthracene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:16	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:16	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/17/11 10:47	08/19/11 19:16	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	122-66-7	
Carbazole	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:16	90-12-0	
Nitrobenzene-d5 (S)	73	%	30-150		1	08/17/11 10:47	08/19/11 19:16	4165-60-0	
2-Fluorobiphenyl (S)	67	%	30-150		1	08/17/11 10:47	08/19/11 19:16	321-60-8	
Terphenyl-d14 (S)	96	%	30-150		1	08/17/11 10:47	08/19/11 19:16	1718-51-0	
Phenol-d6 (S)	74	%	30-150		1	08/17/11 10:47	08/19/11 19:16	13127-88-3	
2-Fluorophenol (S)	70	%	30-148		1	08/17/11 10:47	08/19/11 19:16	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-22W **Lab ID: 10166412014** Collected: 08/11/11 14:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	97	%	30-150		1	08/17/11 10:47	08/19/11 19:16	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/17/11 16:49	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	0.51	1		08/17/11 16:49	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/17/11 16:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/17/11 16:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/17/11 16:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/17/11 16:49	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/17/11 16:49	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/17/11 16:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/17/11 16:49	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/17/11 16:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/17/11 16:49	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/17/11 16:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 16:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/17/11 16:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/17/11 16:49	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/17/11 16:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/17/11 16:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/17/11 16:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/17/11 16:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/17/11 16:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/17/11 16:49	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/17/11 16:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/17/11 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/17/11 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/17/11 16:49	106-46-7	
Dichlorodifluoromethane	**1.8**	ug/L	1.0	0.23	1		08/17/11 16:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 16:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 16:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/17/11 16:49	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.37	1		08/17/11 16:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/17/11 16:49	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/17/11 16:49	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/17/11 16:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/17/11 16:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/17/11 16:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/17/11 16:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/17/11 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/17/11 16:49	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/17/11 16:49	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/17/11 16:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/17/11 16:49	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-28-22W **Lab ID: 10166412014** Collected: 08/11/11 14:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/17/11 16:49	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/17/11 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/17/11 16:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/17/11 16:49	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/17/11 16:49	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/17/11 16:49	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/17/11 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/17/11 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/17/11 16:49	79-34-5	
Tetrachloroethene	**9.0**	ug/L	1.0	0.26	1		08/17/11 16:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/17/11 16:49	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/17/11 16:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/17/11 16:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 16:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/17/11 16:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/17/11 16:49	79-00-5	
Trichloroethene	**2.4**	ug/L	1.0	0.20	1		08/17/11 16:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/17/11 16:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/17/11 16:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/17/11 16:49	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/17/11 16:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 16:49	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/17/11 16:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/17/11 16:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/17/11 16:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/17/11 16:49	95-47-6	
Dibromofluoromethane (S)	104	%	75-125		1		08/17/11 16:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125		1		08/17/11 16:49	17060-07-0	
Toluene-d8 (S)	101	%	75-125		1		08/17/11 16:49	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/17/11 16:49	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-29-16 **Lab ID: 10166412015** Collected: 08/11/11 15:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3550								
PCB-1016 (Aroclor 1016)	ND	mg/kg	0.037	0.0080	1	08/18/11 09:57	08/18/11 20:22	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	mg/kg	0.037	0.0091	1	08/18/11 09:57	08/18/11 20:22	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	0.037	0.0068	1	08/18/11 09:57	08/18/11 20:22	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	0.037	0.0080	1	08/18/11 09:57	08/18/11 20:22	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	0.037	0.0080	1	08/18/11 09:57	08/18/11 20:22	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	0.037	0.010	1	08/18/11 09:57	08/18/11 20:22	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	0.037	0.0068	1	08/18/11 09:57	08/18/11 20:22	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	mg/kg	0.037	0.0091	1	08/18/11 09:57	08/18/11 20:22	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	mg/kg	0.037	0.019	1	08/18/11 09:57	08/18/11 20:22	11100-14-4	
Tetrachloro-m-xylene (S)	89	%	30-150		1	08/18/11 09:57	08/18/11 20:22	877-09-8	
Decachlorobiphenyl (S)	89	%	30-150		1	08/18/11 09:57	08/18/11 20:22	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.0	0.58	1	08/16/11 14:21	08/17/11 20:27		
n-Triacontane (S)	70	%	50-150		1	08/16/11 14:21	08/17/11 20:27		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.6	2.5	1	08/16/11 14:01	08/18/11 23:00		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/16/11 14:01	08/18/11 23:00	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.9**	mg/kg	0.43	0.21	1	08/16/11 11:50	08/16/11 18:30	7440-38-2	
Barium	**6.9**	mg/kg	0.43	0.017	1	08/16/11 11:50	08/16/11 18:30	7440-39-3	
Cadmium	ND	mg/kg	0.043	0.0085	1	08/16/11 11:50	08/16/11 18:30	7440-43-9	
Chromium	**5.6**	mg/kg	0.43	0.060	1	08/16/11 11:50	08/16/11 18:30	7440-47-3	
Lead	**2.1**	mg/kg	0.26	0.043	1	08/16/11 11:50	08/16/11 18:30	7439-92-1	
Selenium	ND	mg/kg	0.64	0.11	1	08/16/11 11:50	08/16/11 18:30	7782-49-2	
Silver	ND	mg/kg	0.43	0.026	1	08/16/11 11:50	08/16/11 18:30	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.022	0.0018	1	08/16/11 08:17	08/17/11 10:39	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**13.7**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	208-96-8	
Anthracene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	207-08-9	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-29-16 **Lab ID: 10166412015** Collected: 08/11/11 15:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
4-Bromophenylphenyl ether	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	85-68-7	
Carbazole	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	59-50-7	
4-Chloroaniline	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.38	0.067	1	08/17/11 07:37	08/19/11 20:30	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.38	0.069	1	08/17/11 07:37	08/19/11 20:30	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.38	0.066	1	08/17/11 07:37	08/19/11 20:30	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	91-58-7	
2-Chlorophenol	ND	mg/kg	0.38	0.068	1	08/17/11 07:37	08/19/11 20:30	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	7005-72-3	
Chrysene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	53-70-3	
Dibenzofuran	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.38	0.071	1	08/17/11 07:37	08/19/11 20:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.38	0.066	1	08/17/11 07:37	08/19/11 20:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.38	0.068	1	08/17/11 07:37	08/19/11 20:30	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.78	0.39	1	08/17/11 07:37	08/19/11 20:30	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	120-83-2	
Diethylphthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	105-67-9	
Dimethylphthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	117-81-7	
Fluoranthene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	206-44-0	
Fluorene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.38	0.074	1	08/17/11 07:37	08/19/11 20:30	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	118-74-1	
Hexachloroethane	ND	mg/kg	0.38	0.070	1	08/17/11 07:37	08/19/11 20:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	193-39-5	
Isophorone	ND	mg/kg	0.38	0.066	1	08/17/11 07:37	08/19/11 20:30	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.38	0.058	1	08/17/11 07:37	08/19/11 20:30	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.76	0.38	1	08/17/11 07:37	08/19/11 20:30		
Naphthalene	ND	mg/kg	0.38	0.067	1	08/17/11 07:37	08/19/11 20:30	91-20-3	
2-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	88-74-4	
3-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	99-09-2	
4-Nitroaniline	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	100-01-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-29-16 **Lab ID: 10166412015** Collected: 08/11/11 15:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene	ND	mg/kg	0.38	0.075	1	08/17/11 07:37	08/19/11 20:30	98-95-3	
2-Nitrophenol	ND	mg/kg	0.38	0.070	1	08/17/11 07:37	08/19/11 20:30	88-75-5	
4-Nitrophenol	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.38	0.064	1	08/17/11 07:37	08/19/11 20:30	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.38	0.063	1	08/17/11 07:37	08/19/11 20:30	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	86-30-6	
Pentachlorophenol	ND	mg/kg	0.78	0.39	1	08/17/11 07:37	08/19/11 20:30	87-86-5	
Phenanthrene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	85-01-8	
Phenol	ND	mg/kg	0.38	0.067	1	08/17/11 07:37	08/19/11 20:30	108-95-2	
Pyrene	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.38	0.068	1	08/17/11 07:37	08/19/11 20:30	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.99	1	08/17/11 07:37	08/19/11 20:30	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.38	0.19	1	08/17/11 07:37	08/19/11 20:30	88-06-2	
Nitrobenzene-d5 (S)	69	%	50-120		1	08/17/11 07:37	08/19/11 20:30	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-150		1	08/17/11 07:37	08/19/11 20:30	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/17/11 07:37	08/19/11 20:30	1718-51-0	
Phenol-d6 (S)	68	%	30-149		1	08/17/11 07:37	08/19/11 20:30	13127-88-3	
2-Fluorophenol (S)	68	%	30-147		1	08/17/11 07:37	08/19/11 20:30	367-12-4	
2,4,6-Tribromophenol (S)	83	%	30-150		1	08/17/11 07:37	08/19/11 20:30	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 10:44	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.076	1	08/16/11 12:17	08/17/11 10:44	107-05-1	
Benzene	ND	mg/kg	0.023	0.011	1	08/16/11 12:17	08/17/11 10:44	71-43-2	
Bromobenzene	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 10:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.058	0.027	1	08/16/11 12:17	08/17/11 10:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 10:44	75-27-4	
Bromoform	ND	mg/kg	0.23	0.057	1	08/16/11 12:17	08/17/11 10:44	75-25-2	
Bromomethane	ND	mg/kg	0.58	0.087	1	08/16/11 12:17	08/17/11 10:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 10:44	78-93-3	
n-Butylbenzene	ND	mg/kg	0.058	0.0055	1	08/16/11 12:17	08/17/11 10:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.058	0.0062	1	08/16/11 12:17	08/17/11 10:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 10:44	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 10:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 10:44	108-90-7	
Chloroethane	ND	mg/kg	0.58	0.14	1	08/16/11 12:17	08/17/11 10:44	75-00-3	
Chloroform	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 10:44	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.039	1	08/16/11 12:17	08/17/11 10:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.058	0.0079	1	08/16/11 12:17	08/17/11 10:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.058	0.0078	1	08/16/11 12:17	08/17/11 10:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.043	1	08/16/11 12:17	08/17/11 10:44	96-12-8	
Dibromochloromethane	ND	mg/kg	0.058	0.012	1	08/16/11 12:17	08/17/11 10:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 10:44	106-93-4	
Dibromomethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 10:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 10:44	95-50-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-29-16 **Lab ID: 10166412015** Collected: 08/11/11 15:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichlorobenzene	ND	mg/kg	0.058	0.0074	1	08/16/11 12:17	08/17/11 10:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 10:44	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 10:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.058	0.020	1	08/16/11 12:17	08/17/11 10:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.058	0.015	1	08/16/11 12:17	08/17/11 10:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.058	0.029	1	08/16/11 12:17	08/17/11 10:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 10:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.058	0.016	1	08/16/11 12:17	08/17/11 10:44	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.58	0.030	1	08/16/11 12:17	08/17/11 10:44	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.058	0.025	1	08/16/11 12:17	08/17/11 10:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.058	0.0096	1	08/16/11 12:17	08/17/11 10:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/16/11 12:17	08/17/11 10:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 10:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 10:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.058	0.011	1	08/16/11 12:17	08/17/11 10:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.039	1	08/16/11 12:17	08/17/11 10:44	60-29-7	
Ethylbenzene	ND	mg/kg	0.058	0.0032	1	08/16/11 12:17	08/17/11 10:44	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.29	0.0066	1	08/16/11 12:17	08/17/11 10:44	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 10:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 10:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.12	1	08/16/11 12:17	08/17/11 10:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 10:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 10:44	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.0099	1	08/16/11 12:17	08/17/11 10:44	91-20-3	
n-Propylbenzene	ND	mg/kg	0.058	0.0046	1	08/16/11 12:17	08/17/11 10:44	103-65-1	
Styrene	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 10:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 10:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 10:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.058	0.015	1	08/16/11 12:17	08/17/11 10:44	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/16/11 12:17	08/17/11 10:44	109-99-9	
Toluene	ND	mg/kg	0.058	0.0087	1	08/16/11 12:17	08/17/11 10:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.058	0.016	1	08/16/11 12:17	08/17/11 10:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 10:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.058	0.0075	1	08/16/11 12:17	08/17/11 10:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.058	0.025	1	08/16/11 12:17	08/17/11 10:44	79-00-5	
Trichloroethene	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 10:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.029	1	08/16/11 12:17	08/17/11 10:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/16/11 12:17	08/17/11 10:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 10:44	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.058	0.0085	1	08/16/11 12:17	08/17/11 10:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.058	0.0077	1	08/16/11 12:17	08/17/11 10:44	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/16/11 12:17	08/17/11 10:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.031	1	08/16/11 12:17	08/17/11 10:44	1330-20-7	
Dibromofluoromethane (S)	80	%	30-150		1	08/16/11 12:17	08/17/11 10:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	75	%	30-150		1	08/16/11 12:17	08/17/11 10:44	17060-07-0	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-29-16 **Lab ID: 10166412015** Collected: 08/11/11 15:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	75	%	30-150		1	08/16/11 12:17	08/17/11 10:44	2037-26-5	
4-Bromofluorobenzene (S)	77	%	30-150		1	08/16/11 12:17	08/17/11 10:44	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.19	0.090	1		08/17/11 19:29	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-10 **Lab ID: 10166412016** Collected: 08/11/11 16:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	16.2	1.1	1	08/16/11 14:21	08/17/11 21:21		
n-Triacontane (S)	64	%	50-150		1	08/16/11 14:21	08/17/11 21:21		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	11.2	4.9	1	08/16/11 14:01	08/18/11 23:21		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/16/11 14:01	08/18/11 23:21	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	ND	mg/kg	1.1	0.54	1	08/16/11 11:50	08/16/11 18:36	7440-38-2	
Barium	**43.9**	mg/kg	1.1	0.043	1	08/16/11 11:50	08/16/11 18:36	7440-39-3	
Cadmium	**0.19**	mg/kg	0.11	0.021	1	08/16/11 11:50	08/16/11 18:36	7440-43-9	
Chromium	**10.2**	mg/kg	1.1	0.15	1	08/16/11 11:50	08/16/11 18:36	7440-47-3	
Lead	**11.5**	mg/kg	0.64	0.11	1	08/16/11 11:50	08/16/11 18:36	7439-92-1	
Selenium	**2.1**	mg/kg	1.6	0.28	1	08/16/11 11:50	08/16/11 18:36	7782-49-2	
Silver	ND	mg/kg	1.1	0.064	1	08/16/11 11:50	08/16/11 18:36	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.041	0.0033	1	08/16/11 08:17	08/17/11 10:45	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**53.9**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	83-32-9	
Acenaphthylene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	208-96-8	
Anthracene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	120-12-7	
Benzo(a)anthracene	**2.5**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	56-55-3	
Benzo(a)pyrene	**2.6**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	50-32-8	
Benzo(b)fluoranthene	**3.5**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	205-99-2	
Benzo(g,h,i)perylene	**2.0**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	191-24-2	
Benzo(k)fluoranthene	**1.2**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	85-68-7	
Carbazole	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	59-50-7	
4-Chloroaniline	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	91-58-7	
2-Chlorophenol	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	7005-72-3	
Chrysene	**2.7**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-10 **Lab ID: 10166412016** Collected: 08/11/11 16:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	1.4	0.72	1	08/17/11 07:37	08/20/11 14:27	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	120-83-2	
Diethylphthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	105-67-9	
Dimethylphthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	117-81-7	
Fluoranthene	**4.6**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	206-44-0	
Fluorene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.71	0.14	1	08/17/11 07:37	08/20/11 14:27	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	118-74-1	
Hexachloroethane	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	67-72-1	
Indeno(1,2,3-cd)pyrene	**1.6**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	193-39-5	
Isophorone	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.71	0.11	1	08/17/11 07:37	08/20/11 14:27	95-48-7	
3&4-Methylphenol	ND	mg/kg	1.4	0.71	1	08/17/11 07:37	08/20/11 14:27		
Naphthalene	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	91-20-3	
2-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	88-74-4	
3-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	99-09-2	
4-Nitroaniline	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	100-01-6	
Nitrobenzene	ND	mg/kg	0.71	0.14	1	08/17/11 07:37	08/20/11 14:27	98-95-3	
2-Nitrophenol	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	88-75-5	
4-Nitrophenol	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.71	0.12	1	08/17/11 07:37	08/20/11 14:27	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	86-30-6	
Pentachlorophenol	ND	mg/kg	1.4	0.72	1	08/17/11 07:37	08/20/11 14:27	87-86-5	
Phenanthrene	**2.5**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	85-01-8	
Phenol	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	108-95-2	
Pyrene	**4.3**	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.71	0.13	1	08/17/11 07:37	08/20/11 14:27	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	3.7	1.8	1	08/17/11 07:37	08/20/11 14:27	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.71	0.36	1	08/17/11 07:37	08/20/11 14:27	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-10 **Lab ID: 10166412016** Collected: 08/11/11 16:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	72	%	50-120		1	08/17/11 07:37	08/20/11 14:27	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-150		1	08/17/11 07:37	08/20/11 14:27	321-60-8	
Terphenyl-d14 (S)	84	%	30-150		1	08/17/11 07:37	08/20/11 14:27	1718-51-0	
Phenol-d6 (S)	73	%	30-149		1	08/17/11 07:37	08/20/11 14:27	13127-88-3	
2-Fluorophenol (S)	71	%	30-147		1	08/17/11 07:37	08/20/11 14:27	367-12-4	
2,4,6-Tribromophenol (S)	85	%	30-150		1	08/17/11 07:37	08/20/11 14:27	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	1.1	0.54	1	08/16/11 12:17	08/17/11 16:56	67-64-1	
Allyl chloride	ND	mg/kg	0.44	0.14	1	08/16/11 12:17	08/17/11 16:56	107-05-1	
Benzene	ND	mg/kg	0.044	0.022	1	08/16/11 12:17	08/17/11 16:56	71-43-2	
Bromobenzene	ND	mg/kg	0.11	0.033	1	08/16/11 12:17	08/17/11 16:56	108-86-1	
Bromochloromethane	ND	mg/kg	0.11	0.050	1	08/16/11 12:17	08/17/11 16:56	74-97-5	
Bromodichloromethane	ND	mg/kg	0.11	0.043	1	08/16/11 12:17	08/17/11 16:56	75-27-4	
Bromoform	ND	mg/kg	0.44	0.11	1	08/16/11 12:17	08/17/11 16:56	75-25-2	
Bromomethane	ND	mg/kg	1.1	0.17	1	08/16/11 12:17	08/17/11 16:56	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.1	0.54	1	08/16/11 12:17	08/17/11 16:56	78-93-3	
n-Butylbenzene	ND	mg/kg	0.11	0.010	1	08/16/11 12:17	08/17/11 16:56	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.11	0.012	1	08/16/11 12:17	08/17/11 16:56	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.11	0.026	1	08/16/11 12:17	08/17/11 16:56	56-23-5	
Chlorobenzene	ND	mg/kg	0.11	0.025	1	08/16/11 12:17	08/17/11 16:56	108-90-7	
Chloroethane	ND	mg/kg	1.1	0.26	1	08/16/11 12:17	08/17/11 16:56	75-00-3	
Chloroform	ND	mg/kg	0.11	0.024	1	08/16/11 12:17	08/17/11 16:56	67-66-3	
Chloromethane	ND	mg/kg	0.44	0.073	1	08/16/11 12:17	08/17/11 16:56	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.11	0.015	1	08/16/11 12:17	08/17/11 16:56	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.11	0.015	1	08/16/11 12:17	08/17/11 16:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.44	0.082	1	08/16/11 12:17	08/17/11 16:56	96-12-8	
Dibromochloromethane	ND	mg/kg	0.11	0.023	1	08/16/11 12:17	08/17/11 16:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.11	0.034	1	08/16/11 12:17	08/17/11 16:56	106-93-4	
Dibromomethane	ND	mg/kg	0.11	0.043	1	08/16/11 12:17	08/17/11 16:56	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.11	0.034	1	08/16/11 12:17	08/17/11 16:56	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.11	0.020	1	08/16/11 12:17	08/17/11 16:56	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.11	0.033	1	08/16/11 12:17	08/17/11 16:56	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.11	0.037	1	08/16/11 12:17	08/17/11 16:56	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.11	0.028	1	08/16/11 12:17	08/17/11 16:56	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.11	0.055	1	08/16/11 12:17	08/17/11 16:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.11	0.037	1	08/16/11 12:17	08/17/11 16:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.11	0.031	1	08/16/11 12:17	08/17/11 16:56	156-60-5	
Dichlorofluoromethane	ND	mg/kg	1.1	0.057	1	08/16/11 12:17	08/17/11 16:56	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.11	0.048	1	08/16/11 12:17	08/17/11 16:56	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.11	0.018	1	08/16/11 12:17	08/17/11 16:56	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.44	0.044	1	08/16/11 12:17	08/17/11 16:56	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.11	0.024	1	08/16/11 12:17	08/17/11 16:56	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-10 **Lab ID: 10166412016** Collected: 08/11/11 16:45 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.11	0.019	1	08/16/11 12:17	08/17/11 16:56	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.11	0.020	1	08/16/11 12:17	08/17/11 16:56	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.44	0.073	1	08/16/11 12:17	08/17/11 16:56	60-29-7	
Ethylbenzene	ND	mg/kg	0.11	0.0061	1	08/16/11 12:17	08/17/11 16:56	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.54	0.012	1	08/16/11 12:17	08/17/11 16:56	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.11	0.019	1	08/16/11 12:17	08/17/11 16:56	99-87-6	
Methylene Chloride	ND	mg/kg	0.44	0.22	1	08/16/11 12:17	08/17/11 16:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.1	0.54	1	08/16/11 12:17	08/17/11 16:56	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.11	0.036	1	08/16/11 12:17	08/17/11 16:56	1634-04-4	
Naphthalene	ND	mg/kg	0.44	0.019	1	08/16/11 12:17	08/17/11 16:56	91-20-3	
n-Propylbenzene	ND	mg/kg	0.11	0.0087	1	08/16/11 12:17	08/17/11 16:56	103-65-1	
Styrene	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.11	0.027	1	08/16/11 12:17	08/17/11 16:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.11	0.026	1	08/16/11 12:17	08/17/11 16:56	79-34-5	
Tetrachloroethene	ND	mg/kg	0.11	0.029	1	08/16/11 12:17	08/17/11 16:56	127-18-4	
Tetrahydrofuran	ND	mg/kg	4.4	0.32	1	08/16/11 12:17	08/17/11 16:56	109-99-9	
Toluene	ND	mg/kg	0.11	0.016	1	08/16/11 12:17	08/17/11 16:56	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.11	0.031	1	08/16/11 12:17	08/17/11 16:56	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.11	0.024	1	08/16/11 12:17	08/17/11 16:56	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.11	0.047	1	08/16/11 12:17	08/17/11 16:56	79-00-5	
Trichloroethene	ND	mg/kg	0.11	0.036	1	08/16/11 12:17	08/17/11 16:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.44	0.054	1	08/16/11 12:17	08/17/11 16:56	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.44	0.035	1	08/16/11 12:17	08/17/11 16:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.11	0.043	1	08/16/11 12:17	08/17/11 16:56	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.11	0.016	1	08/16/11 12:17	08/17/11 16:56	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.11	0.014	1	08/16/11 12:17	08/17/11 16:56	108-67-8	
Vinyl chloride	ND	mg/kg	0.044	0.020	1	08/16/11 12:17	08/17/11 16:56	75-01-4	
Xylene (Total)	ND	mg/kg	0.33	0.059	1	08/16/11 12:17	08/17/11 16:56	1330-20-7	
Dibromofluoromethane (S)	142	%	30-150		1	08/16/11 12:17	08/17/11 16:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	134	%	30-150		1	08/16/11 12:17	08/17/11 16:56	17060-07-0	
Toluene-d8 (S)	126	%	30-150		1	08/16/11 12:17	08/17/11 16:56	2037-26-5	
4-Bromofluorobenzene (S)	133	%	30-150		1	08/16/11 12:17	08/17/11 16:56	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.32	0.16	1		08/17/11 19:32	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-19W **Lab ID: 10166412018** Collected: 08/11/11 16:30 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**0.11**	mg/L	0.11	0.055	1	08/16/11 07:56	08/19/11 10:24		
n-Triacontane (S)	68	%	50-150		1	08/16/11 07:56	08/19/11 10:24		P4
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 01:17		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1		08/16/11 01:17	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 16:25	7440-38-2	
Barium	**238**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 16:25	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 16:25	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 16:25	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 16:25	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 16:25	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 16:25	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:54	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1.7	1	08/17/11 10:47	08/19/11 19:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1.4	1	08/17/11 10:47	08/19/11 19:41	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:41		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1.7	1	08/17/11 10:47	08/19/11 19:41	67-72-1	
Nitrobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	98-95-3	
Isophorone	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.0	4.6	1	08/17/11 10:47	08/19/11 19:41	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	120-82-1	
Naphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-19W **Lab ID: 10166412018** Collected: 08/11/11 16:30 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	91-58-7	
2-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	131-11-3	
Acenaphthylene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	606-20-2	
3-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	99-09-2	
Acenaphthene	**35.4**	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	51-28-5	
4-Nitrophenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	100-02-7	
Dibenzofuran	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	121-14-2	
Diethylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	7005-72-3	
Fluorene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	86-73-7	
4-Nitroaniline	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.9	27.5	1	08/17/11 10:47	08/19/11 19:41	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	118-74-1	
Pentachlorophenol	ND	ug/L	25.3	12.6	1	08/17/11 10:47	08/19/11 19:41	87-86-5	
Phenanthrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	85-01-8	
Anthracene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	84-74-2	
Fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	206-44-0	
Pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:41	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	56-55-3	
Chrysene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.0	11.0	1	08/17/11 10:47	08/19/11 19:41	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	3.4	1	08/17/11 10:47	08/19/11 19:41	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	122-66-7	
Carbazole	**20.1**	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	5.5	1	08/17/11 10:47	08/19/11 19:41	90-12-0	
Nitrobenzene-d5 (S)	80	%	30-150		1	08/17/11 10:47	08/19/11 19:41	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-150		1	08/17/11 10:47	08/19/11 19:41	321-60-8	
Terphenyl-d14 (S)	89	%	30-150		1	08/17/11 10:47	08/19/11 19:41	1718-51-0	
Phenol-d6 (S)	78	%	30-150		1	08/17/11 10:47	08/19/11 19:41	13127-88-3	
2-Fluorophenol (S)	77	%	30-148		1	08/17/11 10:47	08/19/11 19:41	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-19W **Lab ID: 10166412018** Collected: 08/11/11 16:30 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	100	%	30-150		1	08/17/11 10:47	08/19/11 19:41	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/17/11 17:05	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	0.51	1		08/17/11 17:05	107-05-1	
Benzene	**1.2**	ug/L	1.0	0.36	1		08/17/11 17:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/17/11 17:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/17/11 17:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/17/11 17:05	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/17/11 17:05	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/17/11 17:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/17/11 17:05	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/17/11 17:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/17/11 17:05	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/17/11 17:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 17:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/17/11 17:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/17/11 17:05	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/17/11 17:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/17/11 17:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/17/11 17:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/17/11 17:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/17/11 17:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/17/11 17:05	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/17/11 17:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/17/11 17:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/17/11 17:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/17/11 17:05	106-46-7	
Dichlorodifluoromethane	**1.7**	ug/L	1.0	0.23	1		08/17/11 17:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 17:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 17:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/17/11 17:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/17/11 17:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/17/11 17:05	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/17/11 17:05	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/17/11 17:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/17/11 17:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/17/11 17:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/17/11 17:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/17/11 17:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/17/11 17:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/17/11 17:05	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/17/11 17:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/17/11 17:05	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166412

Sample: GP-30-19W **Lab ID: 10166412018** Collected: 08/11/11 16:30 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/17/11 17:05	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/17/11 17:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/17/11 17:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/17/11 17:05	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/17/11 17:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/17/11 17:05	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/17/11 17:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/17/11 17:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/17/11 17:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/17/11 17:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/17/11 17:05	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/17/11 17:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/17/11 17:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 17:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/17/11 17:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/17/11 17:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/17/11 17:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/17/11 17:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/17/11 17:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/17/11 17:05	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/17/11 17:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:05	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/17/11 17:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/17/11 17:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/17/11 17:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/17/11 17:05	95-47-6	
Dibromofluoromethane (S)	103	%	75-125		1		08/17/11 17:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		08/17/11 17:05	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/17/11 17:05	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125		1		08/17/11 17:05	460-00-4	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16376 Analysis Method: EPA 8082
QC Batch Method: EPA 3550 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 10166412009, 10166412015

METHOD BLANK: 1035832 Matrix: Solid
Associated Lab Samples: 10166412009, 10166412015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1262 (Aroclor 1262)	mg/kg	ND	0.033	08/18/11 19:34	
PCB-1268 (Aroclor 1268)	mg/kg	ND	0.033	08/18/11 19:34	
Decachlorobiphenyl (S)	%	99	30-150	08/18/11 19:34	
Tetrachloro-m-xylene (S)	%	103	30-150	08/18/11 19:34	

LABORATORY CONTROL SAMPLE: 1035833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.67	0.61	92	68-125	
PCB-1260 (Aroclor 1260)	mg/kg	.67	0.60	90	70-125	
Decachlorobiphenyl (S)	%			97	30-150	
Tetrachloro-m-xylene (S)	%			101	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035884 1035885

Parameter	Units	10166635001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	ND	.72	.73	0.61	0.59	84	81	55-128	3	30	
PCB-1260 (Aroclor 1260)	mg/kg	ND	.72	.73	0.61	0.57	84	79	30-149	6	30	
Decachlorobiphenyl (S)	%						93	87	30-150			
Tetrachloro-m-xylene (S)	%						90	86	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16352 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

METHOD BLANK: 1034390 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	08/17/11 19:26	
n-Triacontane (S)	%	59	50-150	08/17/11 19:26	

LABORATORY CONTROL SAMPLE & LCSD: 1034391 1034392

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	62.8	66.0	78	83	70-120	5	20	
n-Triacontane (S)	%				64	64	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16679 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO Solid GCV
Associated Lab Samples: 10166412001

METHOD BLANK: 1056754 Matrix: Solid
Associated Lab Samples: 10166412001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	10.0	09/21/11 12:33	
n-Triacontane (S)	%	63	38-125	09/21/11 12:33	

LABORATORY CONTROL SAMPLE & LCSD: 1056755 1056756

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	53.5	55.8	67	70	70-125	4	20	C0,L0
n-Triacontane (S)	%				63	65	38-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16342 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

METHOD BLANK: 1033840 Matrix: Water
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/L	ND	0.10	08/19/11 09:43	
n-Triacontane (S)	%	70	50-150	08/19/11 09:43	

LABORATORY CONTROL SAMPLE & LCSD: 1033841 1033842

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/L	2	1.7	1.8	84	88	75-115	4	20	
n-Triacontane (S)	%				85	87	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: GCV/8301 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

METHOD BLANK: 1034298 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/19/11 11:37	
a,a,a-Trifluorotoluene (S)	%	99	80-125	08/19/11 11:37	

LABORATORY CONTROL SAMPLE & LCSD: 1034299 1034300

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	48.9	48.4	98	97	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				100	99	80-125			

MATRIX SPIKE SAMPLE: 1034301

Parameter	Units	10166264001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	15.3	59	82.7	114	80-120	
a,a,a-Trifluorotoluene (S)	%				106	80-125	1M

SAMPLE DUPLICATE: 1034302

Parameter	Units	10166264002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.3		1M

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: GCV/8298 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

METHOD BLANK: 1033526 Matrix: Water
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/15/11 22:45	
a,a,a-Trifluorotoluene (S)	%	101	80-125	08/15/11 22:45	

LABORATORY CONTROL SAMPLE & LCSD: 1033527 1033528

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	941	987	94	99	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-125			

MATRIX SPIKE SAMPLE: 1033631

Parameter	Units	10166284012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	902	90	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-125	

SAMPLE DUPLICATE: 1033632

Parameter	Units	10166284015 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.02		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MPRP/27749 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

METHOD BLANK: 1033551 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.46	08/16/11 17:07	
Barium	mg/kg	ND	0.46	08/16/11 17:07	
Cadmium	mg/kg	ND	0.046	08/16/11 17:07	
Chromium	mg/kg	ND	0.46	08/16/11 17:07	
Lead	mg/kg	ND	0.28	08/16/11 17:07	
Selenium	mg/kg	ND	0.69	08/16/11 17:07	
Silver	mg/kg	ND	0.46	08/16/11 17:07	

LABORATORY CONTROL SAMPLE: 1033552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48.5	42.8	88	80-120	
Barium	mg/kg	48.5	45.1	93	80-120	
Cadmium	mg/kg	48.5	43.2	89	80-120	
Chromium	mg/kg	48.5	45.7	94	80-120	
Lead	mg/kg	48.5	43.5	90	80-120	
Selenium	mg/kg	48.5	41.3	85	80-120	
Silver	mg/kg	24.3	22.1	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033553 1033554

Parameter	Units	10166358001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.9	52.4	51.5	49.7	49.1	89	90	75-125	1	30	
Barium	mg/kg	59.2	52.4	51.5	109	104	95	88	75-125	5	30	
Cadmium	mg/kg	0.27	52.4	51.5	48.0	47.0	91	91	75-125	2	30	
Chromium	mg/kg	12.0	52.4	51.5	61.2	60.7	94	95	75-125	.8	30	
Lead	mg/kg	45.9	52.4	51.5	101	101	105	108	75-125	.1	30	
Selenium	mg/kg	1.2	52.4	51.5	47.1	45.5	88	86	75-125	3	30	
Silver	mg/kg	ND	26.2	25.7	24.4	23.8	93	93	75-125	2	30	

MATRIX SPIKE SAMPLE: 1033555

Parameter	Units	10166418007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.9	52.5	53.6	93	75-125	
Barium	mg/kg	41.7	52.5	101	114	75-125	
Cadmium	mg/kg	0.71	52.5	49.5	93	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1033555

Parameter	Units	10166418007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	10.1	52.5	61.8	99	75-125	
Lead	mg/kg	134	52.5	206	136	75-125	M1
Selenium	mg/kg	1.9	52.5	47.8	88	75-125	
Silver	mg/kg	ND	26.2	25.0	95	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MPRP/27798
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 10166412006

METHOD BLANK: 1034907 Matrix: Solid
Associated Lab Samples: 10166412006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/17/11 18:41	
Barium	mg/kg	ND	0.50	08/17/11 18:41	
Cadmium	mg/kg	ND	0.050	08/17/11 18:41	
Chromium	mg/kg	ND	0.50	08/17/11 18:41	
Copper	mg/kg	ND	0.50	08/17/11 18:41	
Lead	mg/kg	ND	0.30	08/17/11 18:41	
Selenium	mg/kg	ND	0.75	08/17/11 18:41	
Silver	mg/kg	ND	0.50	08/17/11 18:41	

LABORATORY CONTROL SAMPLE: 1034908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	45.5	38.5	85	80-120	
Barium	mg/kg	45.5	40.8	90	80-120	
Cadmium	mg/kg	45.5	38.6	85	80-120	
Chromium	mg/kg	45.5	41.1	90	80-120	
Copper	mg/kg	45.5	42.8	94	80-120	
Lead	mg/kg	45.5	38.3	84	80-120	
Selenium	mg/kg	45.5	36.8	81	80-120	
Silver	mg/kg	22.7	20.0	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034909 1034910

Parameter	Units	10166412006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	41.4	38.7	45.3	41.5	49.1	.4	17	75-125	17	30	M1
Barium	mg/kg	46.4	38.7	45.3	64.1	71.6	46	56	75-125	11	30	M1
Cadmium	mg/kg	1.9	38.7	45.3	34.4	40.8	84	86	75-125	17	30	
Chromium	mg/kg	10.1	38.7	45.3	41.4	47.9	81	84	75-125	15	30	
Copper	mg/kg	19.5	38.7	45.3	45.6	58.1	68	85	75-125	24	30	M1
Lead	mg/kg	9.7	38.7	45.3	35.6	40.3	67	68	75-125	12	30	M1
Selenium	mg/kg	ND	38.7	45.3	33.8	39.6	87	87	75-125	16	30	
Silver	mg/kg	ND	19.3	22.7	18.4	21.9	95	97	75-125	17	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MPRP/28156
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10166412013

METHOD BLANK: 1046338 Matrix: Water
Associated Lab Samples: 10166412013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.015	09/02/11 09:07	

LABORATORY CONTROL SAMPLE: 1046339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	1	0.95	95	80-120	

MATRIX SPIKE SAMPLE: 1046340

Parameter	Units	10166204017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	ND	1	0.89	89	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1046341 1046342

Parameter	Units	10167937005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	1	1	0.86	0.91	86	90	75-125	5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MPRP/27752 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

METHOD BLANK: 1033607 Matrix: Water
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/17/11 13:07	
Barium	ug/L	ND	10.0	08/17/11 13:07	
Cadmium	ug/L	ND	1.0	08/17/11 13:07	
Chromium	ug/L	ND	10.0	08/17/11 13:07	
Lead	ug/L	ND	3.0	08/17/11 13:07	
Selenium	ug/L	ND	15.0	08/17/11 13:07	
Silver	ug/L	ND	10.0	08/17/11 13:07	

LABORATORY CONTROL SAMPLE: 1033608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	919	92	80-120	
Barium	ug/L	1000	922	92	80-120	
Cadmium	ug/L	1000	916	92	80-120	
Chromium	ug/L	1000	921	92	80-120	
Lead	ug/L	1000	920	92	80-120	
Selenium	ug/L	1000	915	91	80-120	
Silver	ug/L	500	462	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033609 1033610

Parameter	Units	10166036001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	902	946	90	95	80-120	5	30	
Barium	ug/L	57.0	1000	1000	907	944	85	89	80-120	4	30	
Cadmium	ug/L	ND	1000	1000	857	892	86	89	80-120	4	30	
Chromium	ug/L	ND	1000	1000	855	886	85	88	80-120	4	30	
Lead	ug/L	ND	1000	1000	847	885	85	89	80-120	4	30	
Selenium	ug/L	ND	1000	1000	886	928	89	93	80-120	5	30	
Silver	ug/L	ND	500	500	439	457	88	91	80-120	4	30	

MATRIX SPIKE SAMPLE: 1033611

Parameter	Units	10166268002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	1000	917	92	80-120	
Barium	ug/L	18.0	1000	921	90	80-120	
Cadmium	ug/L	ND	1000	906	91	80-120	
Chromium	ug/L	ND	1000	903	90	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1033611

Parameter	Units	10166268002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	1000	889	89	80-120	
Selenium	ug/L	ND	1000	899	90	80-120	
Silver	ug/L	ND	500	462	92	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MERP/5812 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

METHOD BLANK: 1033828 Matrix: Water
Associated Lab Samples: 10166412003, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/18/11 10:23	

LABORATORY CONTROL SAMPLE: 1033829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033830 1033831

Parameter	Units	10165991014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.062J	5	5	5.1	5.2	100	102	80-120	2	20	

MATRIX SPIKE SAMPLE: 1033832

Parameter	Units	10166412003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	5.8	115	80-120	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MERP/5807 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

METHOD BLANK: 1033600 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	08/17/11 09:55	

LABORATORY CONTROL SAMPLE: 1033601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033602 1033603

Parameter	Units	10166406001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	17.8	1	1.1	15.7	19.3	-210	134	80-120	21	20	D6,M6

MATRIX SPIKE SAMPLE: 1033604

Parameter	Units	10166234001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.52	.5	0.82	60	80-120	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MERP/5821
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 10166412006

METHOD BLANK: 1034912 Matrix: Solid
Associated Lab Samples: 10166412006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.016	08/18/11 14:26	

LABORATORY CONTROL SAMPLE: 1034913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.44	0.44	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034914 1034915

Parameter	Units	10166412006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.12	.46	.53	0.56	0.66	96	99	80-120	15	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MPRP/27821
Analysis Method: % Moisture
QC Batch Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10166412001, 10166412002, 10166412004, 10166412006, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

SAMPLE DUPLICATE: 1035777

Parameter	Units	10166423004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	14.6	.7	30	

SAMPLE DUPLICATE: 1035854

Parameter	Units	10166412001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.7	8.9	2	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16356 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

METHOD BLANK: 1034823 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/19/11 16:07	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1-Methylnaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/19/11 16:07	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/19/11 16:07	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/19/11 16:07	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/19/11 16:07	
2-Chloronaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2-Chlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2-Methylnaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/19/11 16:07	
2-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
2-Nitrophenol	mg/kg	ND	0.33	08/19/11 16:07	
3&4-Methylphenol	mg/kg	ND	0.66	08/19/11 16:07	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/19/11 16:07	
3-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/19/11 16:07	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/19/11 16:07	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/19/11 16:07	
4-Chloroaniline	mg/kg	ND	0.33	08/19/11 16:07	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/19/11 16:07	
4-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
4-Nitrophenol	mg/kg	ND	1.7	08/19/11 16:07	
Acenaphthene	mg/kg	ND	0.33	08/19/11 16:07	
Acenaphthylene	mg/kg	ND	0.33	08/19/11 16:07	
Anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(a)anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(a)pyrene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/19/11 16:07	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1034823 Matrix: Solid

Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Carbazole	mg/kg	ND	0.33	08/19/11 16:07	
Chrysene	mg/kg	ND	0.33	08/19/11 16:07	
Di-n-butylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Di-n-octylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Dibenzofuran	mg/kg	ND	0.33	08/19/11 16:07	
Diethylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Dimethylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
Fluorene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachloroethane	mg/kg	ND	0.33	08/19/11 16:07	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/19/11 16:07	
Isophorone	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/19/11 16:07	
Naphthalene	mg/kg	ND	0.33	08/19/11 16:07	
Nitrobenzene	mg/kg	ND	0.33	08/19/11 16:07	
Pentachlorophenol	mg/kg	ND	0.67	08/19/11 16:07	
Phenanthrene	mg/kg	ND	0.33	08/19/11 16:07	
Phenol	mg/kg	ND	0.33	08/19/11 16:07	
Pyrene	mg/kg	ND	0.33	08/19/11 16:07	
2,4,6-Tribromophenol (S)	%	91	30-150	08/19/11 16:07	
2-Fluorobiphenyl (S)	%	80	30-150	08/19/11 16:07	
2-Fluorophenol (S)	%	78	30-147	08/19/11 16:07	
Nitrobenzene-d5 (S)	%	80	50-120	08/19/11 16:07	
Phenol-d6 (S)	%	78	30-149	08/19/11 16:07	
Terphenyl-d14 (S)	%	101	30-150	08/19/11 16:07	

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.2	74	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.2	71	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.3J	81	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.2	70	57-125	
1,4-Dichlorobenzene	mg/kg	1.7	1.2	70	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.2	75	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.4J	84	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.4	83	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.3	79	62-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	mg/kg	1.7	1.3	79	44-125	
2,4-Dinitrophenol	mg/kg	1.7	1.2J	73	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.4	84	63-125	
2,6-Dinitrotoluene	mg/kg	1.7	1.4	83	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.3	79	64-125	
2-Chlorophenol	mg/kg	1.7	1.2	73	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.3	77	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.2	72	57-125	
2-Nitroaniline	mg/kg	1.7	1.4J	83	63-125	
2-Nitrophenol	mg/kg	1.7	1.3	76	57-125	
3&4-Methylphenol	mg/kg	1.7	1.3	75	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.4	86	30-125	
3-Nitroaniline	mg/kg	1.7	1.3J	78	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.3J	80	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.4	86	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.4	82	66-125	
4-Chloroaniline	mg/kg	1.7	1.0	63	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.4	86	67-125	
4-Nitroaniline	mg/kg	1.7	1.3J	77	54-125	
4-Nitrophenol	mg/kg	1.7	1.4J	83	51-125	
Acenaphthene	mg/kg	1.7	1.3	80	64-125	
Acenaphthylene	mg/kg	1.7	1.3	81	65-125	
Anthracene	mg/kg	1.7	1.4	84	66-125	
Benzo(a)anthracene	mg/kg	1.7	1.4	83	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.4	83	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	81	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	87	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	83	68-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.3	76	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.2	70	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.2	71	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.5	91	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.5	88	65-125	
Carbazole	mg/kg	1.7	1.4	82	65-125	
Chrysene	mg/kg	1.7	1.4	83	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.5	89	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.5	87	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	88	66-125	
Dibenzofuran	mg/kg	1.7	1.4	82	66-125	
Diethylphthalate	mg/kg	1.7	1.4	86	68-125	
Dimethylphthalate	mg/kg	1.7	1.4	85	68-125	
Fluoranthene	mg/kg	1.7	1.4	84	65-125	
Fluorene	mg/kg	1.7	1.4	84	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.3	76	60-125	
Hexachlorobenzene	mg/kg	1.7	1.4	84	67-125	
Hexachloroethane	mg/kg	1.7	1.2	71	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	87	66-125	
Isophorone	mg/kg	1.7	1.3	77	61-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.2	74	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.2	73	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.4	85	66-125	
Naphthalene	mg/kg	1.7	1.2	73	61-125	
Nitrobenzene	mg/kg	1.7	1.2	71	59-125	
Pentachlorophenol	mg/kg	1.7	1.3	79	30-126	
Phenanthrene	mg/kg	1.7	1.4	84	68-125	
Phenol	mg/kg	1.7	1.2	73	58-125	
Pyrene	mg/kg	1.7	1.4	86	66-125	
2,4,6-Tribromophenol (S)	%			91	30-150	
2-Fluorobiphenyl (S)	%			80	30-150	
2-Fluorophenol (S)	%			72	30-147	
Nitrobenzene-d5 (S)	%			74	50-120	
Phenol-d6 (S)	%			73	30-149	
Terphenyl-d14 (S)	%			88	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034825 1034826

Parameter	Units	10166412001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	1.9	1.9	1.1	1.3	60	71	30-138	16	30	
1,2-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.84	1.2	46	64	30-125	32	30	D6
1,2-Diphenylhydrazine	mg/kg	ND	1.9	1.9	1.4J	1.4J	79	77	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.82	1.1	45	63	30-126	33	30	D6
1,4-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.82	1.1	45	62	30-130	32	30	D6
1-Methylnaphthalene	mg/kg	ND	1.9	1.9	1.4	1.5	71	76	30-144	6	30	
2,4,5-Trichlorophenol	mg/kg	ND	1.9	1.9	1.4J	1.5J	79	81	30-150		30	
2,4,6-Trichlorophenol	mg/kg	ND	1.9	1.9	1.5	1.5	81	81	30-150	.9	30	
2,4-Dichlorophenol	mg/kg	ND	1.9	1.9	1.4	1.4	77	78	30-147	2	30	
2,4-Dimethylphenol	mg/kg	ND	1.9	1.9	1.4	1.5	78	81	30-150	3	30	
2,4-Dinitrophenol	mg/kg	ND	1.9	1.9	1.1J	1.1J	59	62	30-133		30	
2,4-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.2	30	
2,6-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.4	1.5	80	81	30-150	2	30	
2-Chloronaphthalene	mg/kg	ND	1.9	1.9	1.4	1.4	77	79	30-150	4	30	
2-Chlorophenol	mg/kg	ND	1.9	1.9	1.0	1.3	55	71	30-133	24	30	
2-Methylnaphthalene	mg/kg	ND	1.9	1.9	1.4	1.4	73	77	30-141	4	30	
2-Methylphenol(o-Cresol)	mg/kg	ND	1.9	1.9	1.2	1.4	69	75	30-140	10	30	
2-Nitroaniline	mg/kg	ND	1.9	1.9	1.5J	1.5J	81	80	30-150		30	
2-Nitrophenol	mg/kg	ND	1.9	1.9	1.1	1.3	62	73	30-141	17	30	
3&4-Methylphenol	mg/kg	ND	1.9	1.9	1.3	1.4	72	75	30-147	5	30	
3,3'-Dichlorobenzidine	mg/kg	ND	1.9	1.9	1.5	1.4	80	76	30-132	5	30	
3-Nitroaniline	mg/kg	ND	1.9	1.9	1.4J	1.3J	75	72	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.9	1.9	1.4J	1.4J	75	75	30-147		30	
4-Bromophenylphenyl ether	mg/kg	ND	1.9	1.9	1.5	1.5	84	84	30-150	.3	30	
4-Chloro-3-methylphenol	mg/kg	ND	1.9	1.9	1.5	1.5	80	80	30-150	.3	30	
4-Chloroaniline	mg/kg	ND	1.9	1.9	1.0	0.88	56	48	30-150	15	30	
4-Chlorophenylphenyl ether	mg/kg	ND	1.9	1.9	1.5	1.5	82	84	30-150	1	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034825 1034826

Parameter	Units	10166412001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Nitroaniline	mg/kg	ND	1.9	1.9	1.3J	1.4J	74	78	30-145		30	
4-Nitrophenol	mg/kg	ND	1.9	1.9	1.4J	1.5J	79	81	30-150		30	
Acenaphthene	mg/kg	ND	1.9	1.9	1.8	1.9	82	93	30-149	11	30	
Acenaphthylene	mg/kg	ND	1.9	1.9	1.5	1.6	78	80	30-150	3	30	
Anthracene	mg/kg	ND	1.9	1.9	1.7	1.8	84	91	30-150	7	30	
Benzo(a)anthracene	mg/kg	0.54	1.9	1.9	2.0	2.1	80	84	30-150	3	30	
Benzo(a)pyrene	mg/kg	0.55	1.9	1.9	2.0	2.1	79	84	30-150	5	30	
Benzo(b)fluoranthene	mg/kg	0.79	1.9	1.9	2.2	2.3	78	82	30-150	3	30	
Benzo(g,h,i)perylene	mg/kg	0.41	1.9	1.9	1.9	2.0	82	87	30-150	4	30	
Benzo(k)fluoranthene	mg/kg	ND	1.9	1.9	1.7	1.8	79	84	30-150	5	30	
bis(2-Chloroethoxy)methane	mg/kg	ND	1.9	1.9	1.2	1.4	66	74	30-142	12	30	
bis(2-Chloroethyl) ether	mg/kg	ND	1.9	1.9	0.84	1.2	46	64	30-130	32	30	D6
bis(2-Chloroisopropyl) ether	mg/kg	ND	1.9	1.9	0.89	1.2	49	65	30-140	28	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	1.9	1.9	1.6	1.5	86	85	30-150	2	30	
Butylbenzylphthalate	mg/kg	ND	1.9	1.9	1.6	1.5	89	85	30-150	5	30	
Carbazole	mg/kg	ND	1.9	1.9	1.5	1.5	82	84	30-150	2	30	
Chrysene	mg/kg	0.65	1.9	1.9	2.0	2.1	77	80	30-150	3	30	
Di-n-butylphthalate	mg/kg	ND	1.9	1.9	1.6	1.6	90	87	30-150	3	30	
Di-n-octylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.2	30	
Dibenz(a,h)anthracene	mg/kg	ND	1.9	1.9	1.6	1.6	89	90	30-150	.8	30	
Dibenzofuran	mg/kg	ND	1.9	1.9	1.6	1.9	82	95	30-150	14	30	
Diethylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	83	84	30-150	1	30	
Dimethylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.5	30	
Fluoranthene	mg/kg	1.1	1.9	1.9	2.7	2.9	86	99	30-150	8	30	
Fluorene	mg/kg	ND	1.9	1.9	1.8	2.2	86	106	30-150	18	30	
Hexachloro-1,3-butadiene	mg/kg	ND	1.9	1.9	1.0	1.3	57	71	30-140	22	30	
Hexachlorobenzene	mg/kg	ND	1.9	1.9	1.5	1.5	81	82	30-150	.6	30	
Hexachloroethane	mg/kg	ND	1.9	1.9	0.82	1.1	45	63	30-133	32	30	D6
Indeno(1,2,3-cd)pyrene	mg/kg	ND	1.9	1.9	1.8	1.9	82	87	30-150	4	30	
Isophorone	mg/kg	ND	1.9	1.9	1.3	1.4	71	76	30-145	7	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	1.9	1.9	1.1	1.3	62	70	30-140	13	30	
N-Nitrosodimethylamine	mg/kg	ND	1.9	1.9	0.83	1.2	46	67	30-134	37	30	D6
N-Nitrosodiphenylamine	mg/kg	ND	1.9	1.9	1.5	1.5	83	84	30-150	1	30	
Naphthalene	mg/kg	ND	1.9	1.9	1.2	1.4	60	71	30-136	15	30	
Nitrobenzene	mg/kg	ND	1.9	1.9	1.0	1.2	57	69	30-141	18	30	
Pentachlorophenol	mg/kg	ND	1.9	1.9	1.4	1.4	77	76	30-150	1	30	
Phenanthrene	mg/kg	0.62	1.9	1.9	2.2	3.0	87	130	30-150	30	30	
Phenol	mg/kg	ND	1.9	1.9	1.1	1.3	62	72	30-135	14	30	
Pyrene	mg/kg	1.0	1.9	1.9	2.5	2.7	82	92	30-150	7	30	
2,4,6-Tribromophenol (S)	%						89	88	30-150			
2-Fluorobiphenyl (S)	%						78	80	30-150			
2-Fluorophenol (S)	%						50	67	30-147			
Nitrobenzene-d5 (S)	%						60	71	50-120			
Phenol-d6 (S)	%						64	72	30-149			
Terphenyl-d14 (S)	%						83	80	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: OEXT/16361 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10166412003, 10166412007, 10166412008, 10166412011, 10166412014, 10166412018

METHOD BLANK: 1034975 Matrix: Water
Associated Lab Samples: 10166412003, 10166412007, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/19/11 14:57	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1-Methylnaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2,4,5-Trichlorophenol	ug/L	ND	50.0	08/19/11 14:57	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dichlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dimethylphenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dinitrophenol	ug/L	ND	50.0	08/19/11 14:57	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/19/11 14:57	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/19/11 14:57	
2-Chloronaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2-Chlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2-Methylnaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/19/11 14:57	
2-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
2-Nitrophenol	ug/L	ND	10.0	08/19/11 14:57	
3&4-Methylphenol	ug/L	ND	20.0	08/19/11 14:57	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/19/11 14:57	
3-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/19/11 14:57	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/19/11 14:57	
4-Chloro-3-methylphenol	ug/L	ND	10.0	08/19/11 14:57	
4-Chloroaniline	ug/L	ND	50.0	08/19/11 14:57	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/19/11 14:57	
4-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
4-Nitrophenol	ug/L	ND	50.0	08/19/11 14:57	
Acenaphthene	ug/L	ND	10.0	08/19/11 14:57	
Acenaphthylene	ug/L	ND	10.0	08/19/11 14:57	
Anthracene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(a)anthracene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(a)pyrene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/19/11 14:57	
Butylbenzylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Carbazole	ug/L	ND	10.0	08/19/11 14:57	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1034975 Matrix: Water

Associated Lab Samples: 10166412003, 10166412007, 10166412008, 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	10.0	08/19/11 14:57	
Di-n-butylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Di-n-octylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Dibenz(a,h)anthracene	ug/L	ND	20.0	08/19/11 14:57	
Dibenzofuran	ug/L	ND	10.0	08/19/11 14:57	
Diethylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Dimethylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
Fluorene	ug/L	ND	10.0	08/19/11 14:57	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/19/11 14:57	
Hexachlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
Hexachloroethane	ug/L	ND	10.0	08/19/11 14:57	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/19/11 14:57	
Isophorone	ug/L	ND	10.0	08/19/11 14:57	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/19/11 14:57	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/19/11 14:57	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/19/11 14:57	
Naphthalene	ug/L	ND	10.0	08/19/11 14:57	
Nitrobenzene	ug/L	ND	10.0	08/19/11 14:57	
Pentachlorophenol	ug/L	ND	23.0	08/19/11 14:57	
Phenanthrene	ug/L	ND	10.0	08/19/11 14:57	
Phenol	ug/L	ND	10.0	08/19/11 14:57	
Pyrene	ug/L	ND	10.0	08/19/11 14:57	
2,4,6-Tribromophenol (S)	%	96	30-150	08/19/11 14:57	
2-Fluorobiphenyl (S)	%	67	30-150	08/19/11 14:57	
2-Fluorophenol (S)	%	77	30-148	08/19/11 14:57	
Nitrobenzene-d5 (S)	%	79	30-150	08/19/11 14:57	
Phenol-d6 (S)	%	80	30-150	08/19/11 14:57	
Terphenyl-d14 (S)	%	104	30-150	08/19/11 14:57	

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.4	39.7	79	79	68-125	.7	20	
1,2-Dichlorobenzene	ug/L	50	36.9	37.6	74	75	67-125	2	20	
1,2-Diphenylhydrazine	ug/L	50	43.8	44.9	88	90	76-125	2	20	
1,3-Dichlorobenzene	ug/L	50	35.0	37.0	70	74	66-125	6	20	
1,4-Dichlorobenzene	ug/L	50	34.9	37.1	70	74	67-125	6	20	
1-Methylnaphthalene	ug/L	50	41.4	41.6	83	83	74-125	.4	20	
2,4,5-Trichlorophenol	ug/L	50	44.4J	45J	89	90	72-125		20	
2,4,6-Trichlorophenol	ug/L	50	43.4	45.0	87	90	73-125	4	20	
2,4-Dichlorophenol	ug/L	50	42.4	43.0	85	86	70-125	1	20	
2,4-Dimethylphenol	ug/L	50	35.8	36.2	72	72	48-125	1	20	
2,4-Dinitrophenol	ug/L	50	39.4J	40.9J	79	82	30-143		20	
2,4-Dinitrotoluene	ug/L	50	44.7	44.8	89	90	74-125	.08	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,6-Dinitrotoluene	ug/L	50	44.2	45.5	88	91	74-125	3	20	
2-Chloronaphthalene	ug/L	50	43.8	43.8	88	88	74-125	.2	20	
2-Chlorophenol	ug/L	50	39.0	40.3	78	81	65-125	3	20	
2-Methylnaphthalene	ug/L	50	41.2	42.0	82	84	71-125	2	20	
2-Methylphenol(o-Cresol)	ug/L	50	40.4	39.8	81	80	65-125	1	20	
2-Nitroaniline	ug/L	50	43.9J	45.5J	88	91	69-126		20	
2-Nitrophenol	ug/L	50	42.6	43.0	85	86	66-125	.9	20	
3&4-Methylphenol	ug/L	50	39.8	40.1	80	80	67-125	.8	20	
3,3'-Dichlorobenzidine	ug/L	50	46.2	44.8	92	90	75-130	3	20	
3-Nitroaniline	ug/L	50	42.2J	43.1J	84	86	68-127		20	
4,6-Dinitro-2-methylphenol	ug/L	50	41.3J	41.9J	83	84	55-130		20	
4-Bromophenylphenyl ether	ug/L	50	44.7	45.2	89	90	75-125	1	20	
4-Chloro-3-methylphenol	ug/L	50	43.6	44.0	87	88	75-125	.9	20	
4-Chloroaniline	ug/L	50	40J	37.4J	80	75	56-125		20	
4-Chlorophenylphenyl ether	ug/L	50	43.7	44.7	87	89	75-125	2	20	
4-Nitroaniline	ug/L	50	44.6J	45.5J	89	91	70-125		20	
4-Nitrophenol	ug/L	50	43.2J	45.1J	86	90	57-127		20	
Acenaphthene	ug/L	50	44.2	44.8	88	90	74-125	1	20	
Acenaphthylene	ug/L	50	43.6	44.3	87	89	74-125	2	20	
Anthracene	ug/L	50	44.8	45.5	90	91	73-125	2	20	
Benzo(a)anthracene	ug/L	50	42.9	44.1	86	88	75-125	3	20	
Benzo(a)pyrene	ug/L	50	44.6	44.4	89	89	75-125	.4	20	
Benzo(b)fluoranthene	ug/L	50	45.0	46.2	90	92	75-125	3	20	
Benzo(g,h,i)perylene	ug/L	50	44.3	45.5	89	91	75-125	3	20	
Benzo(k)fluoranthene	ug/L	50	44.8	45.4	90	91	75-125	1	20	
bis(2-Chloroethoxy)methane	ug/L	50	41.1	42.0	82	84	68-125	2	20	
bis(2-Chloroethyl) ether	ug/L	50	39.3	39.0	79	78	63-125	.7	20	
bis(2-Chloroisopropyl) ether	ug/L	50	38.7	38.8	77	78	42-138	.2	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	44.5	45.4	89	91	75-125	2	20	
Butylbenzylphthalate	ug/L	50	45.4	45.9	91	92	75-125	1	20	
Carbazole	ug/L	50	43.9	44.6	88	89	70-125	1	20	
Chrysene	ug/L	50	44.4	45.1	89	90	75-125	2	20	
Di-n-butylphthalate	ug/L	50	45.5	46.4	91	93	72-125	2	20	
Di-n-octylphthalate	ug/L	50	45.7	46.6	91	93	75-125	2	20	
Dibenz(a,h)anthracene	ug/L	50	44.8	46.0	90	92	75-125	3	20	
Dibenzofuran	ug/L	50	43.6	44.1	87	88	75-125	1	20	
Diethylphthalate	ug/L	50	44.6	45.6	89	91	73-125	2	20	
Dimethylphthalate	ug/L	50	43.9	45.1	88	90	75-125	3	20	
Fluoranthene	ug/L	50	45.2	45.9	90	92	75-125	2	20	
Fluorene	ug/L	50	44.0	44.6	88	89	75-125	1	20	
Hexachloro-1,3-butadiene	ug/L	50	40.0	39.9	80	80	66-125	.2	20	
Hexachlorobenzene	ug/L	50	43.3	45.2	87	90	74-125	4	20	
Hexachloroethane	ug/L	50	35.5	37.2	71	74	63-125	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.2	45.6	90	91	75-125	1	20	
Isophorone	ug/L	50	43.2	42.8	86	86	72-125	1	20	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	40.7	82	81	68-125	.3	20	
N-Nitrosodimethylamine	ug/L	50	38.8	41.8	78	84	55-125	7	20	
N-Nitrosodiphenylamine	ug/L	50	43.2	44.4	86	89	74-125	3	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	50	40.6	40.5	81	81	68-125	.3	20	
Nitrobenzene	ug/L	50	41.4	41.8	83	84	67-125	.9	20	
Pentachlorophenol	ug/L	50	41.4	42.6	83	85	48-132	3	20	
Phenanthrene	ug/L	50	44.5	44.9	89	90	75-125	.8	20	
Phenol	ug/L	50	39.8	40.2	80	80	63-125	1	20	
Pyrene	ug/L	50	45.4	46.6	91	93	75-125	3	20	
2,4,6-Tribromophenol (S)	%				94	96	30-150			
2-Fluorobiphenyl (S)	%				76	81	30-150			
2-Fluorophenol (S)	%				78	81	30-148			
Nitrobenzene-d5 (S)	%				83	83	30-150			
Phenol-d6 (S)	%				82	83	30-150			
Terphenyl-d14 (S)	%				90	92	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MSV/17664 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013

METHOD BLANK: 1033532 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1-Dichloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,1-Dichloroethene	mg/kg	ND	0.050	08/16/11 23:06	
1,1-Dichloropropene	mg/kg	ND	0.050	08/16/11 23:06	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/16/11 23:06	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/16/11 23:06	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/16/11 23:06	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,2-Dichloroethane	mg/kg	ND	0.050	08/16/11 23:06	
1,2-Dichloropropane	mg/kg	ND	0.050	08/16/11 23:06	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
1,3-Dichloropropane	mg/kg	ND	0.050	08/16/11 23:06	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
2,2-Dichloropropane	mg/kg	ND	0.20	08/16/11 23:06	
2-Butanone (MEK)	mg/kg	ND	0.50	08/16/11 23:06	
2-Chlorotoluene	mg/kg	ND	0.050	08/16/11 23:06	
4-Chlorotoluene	mg/kg	ND	0.050	08/16/11 23:06	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/16/11 23:06	
Acetone	mg/kg	ND	0.50	08/16/11 23:06	
Allyl chloride	mg/kg	ND	0.20	08/16/11 23:06	
Benzene	mg/kg	ND	0.020	08/16/11 23:06	
Bromobenzene	mg/kg	ND	0.050	08/16/11 23:06	
Bromochloromethane	mg/kg	ND	0.050	08/16/11 23:06	
Bromodichloromethane	mg/kg	ND	0.050	08/16/11 23:06	
Bromoform	mg/kg	ND	0.20	08/16/11 23:06	
Bromomethane	mg/kg	ND	0.50	08/16/11 23:06	
Carbon tetrachloride	mg/kg	ND	0.050	08/16/11 23:06	
Chlorobenzene	mg/kg	ND	0.050	08/16/11 23:06	
Chloroethane	mg/kg	ND	0.50	08/16/11 23:06	
Chloroform	mg/kg	ND	0.050	08/16/11 23:06	
Chloromethane	mg/kg	ND	0.20	08/16/11 23:06	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/16/11 23:06	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/16/11 23:06	
Dibromochloromethane	mg/kg	ND	0.050	08/16/11 23:06	
Dibromomethane	mg/kg	ND	0.050	08/16/11 23:06	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1033532 Matrix: Solid

Associated Lab Samples: 10166412001, 10166412002, 10166412006, 10166412009, 10166412012, 10166412013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/kg	ND	0.050	08/16/11 23:06	
Dichlorofluoromethane	mg/kg	ND	0.50	08/16/11 23:06	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/16/11 23:06	
Ethylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/16/11 23:06	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/16/11 23:06	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/16/11 23:06	
Methylene Chloride	mg/kg	ND	0.20	08/16/11 23:06	
n-Butylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
n-Propylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
Naphthalene	mg/kg	ND	0.20	08/16/11 23:06	
p-Isopropyltoluene	mg/kg	ND	0.050	08/16/11 23:06	
sec-Butylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
Styrene	mg/kg	ND	0.050	08/16/11 23:06	
tert-Butylbenzene	mg/kg	ND	0.050	08/16/11 23:06	
Tetrachloroethene	mg/kg	ND	0.050	08/16/11 23:06	
Tetrahydrofuran	mg/kg	ND	2.0	08/16/11 23:06	
Toluene	mg/kg	ND	0.050	08/16/11 23:06	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/16/11 23:06	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/16/11 23:06	
Trichloroethene	mg/kg	ND	0.050	08/16/11 23:06	
Trichlorofluoromethane	mg/kg	ND	0.20	08/16/11 23:06	
Vinyl chloride	mg/kg	ND	0.020	08/16/11 23:06	
Xylene (Total)	mg/kg	ND	0.15	08/16/11 23:06	
1,2-Dichloroethane-d4 (S)	%	78	30-150	08/16/11 23:06	
4-Bromofluorobenzene (S)	%	87	30-150	08/16/11 23:06	
Dibromofluoromethane (S)	%	85	30-150	08/16/11 23:06	
Toluene-d8 (S)	%	85	30-150	08/16/11 23:06	

LABORATORY CONTROL SAMPLE & LCSD: 1033533 1033534

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	1.0	1.0	104	103	75-125	.6	20	
1,1,1-Trichloroethane	mg/kg	1	0.95	0.97	95	97	75-126	2	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	1.1	1.1	109	109	75-125	.5	20	
1,1,2-Trichloroethane	mg/kg	1	1.1	1.1	105	110	75-125	5	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	0.97	1.0	97	101	62-150	4	20	
1,1-Dichloroethane	mg/kg	1	0.98	1.0	98	101	75-130	3	20	
1,1-Dichloroethene	mg/kg	1	0.90	0.90	90	90	67-142	.4	20	
1,1-Dichloropropene	mg/kg	1	1.1	1.1	105	110	73-136	4	20	
1,2,3-Trichlorobenzene	mg/kg	1	1.1	1.2	109	116	75-125	6	20	
1,2,3-Trichloropropane	mg/kg	1	0.99	0.98	99	98	75-125	1	20	
1,2,4-Trichlorobenzene	mg/kg	1	1.1	1.2	113	116	75-125	2	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.99	1.0	99	100	75-125	.7	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	1.0	1.1	103	108	66-125	5	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1033533 1033534

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	mg/kg	1	1.1	1.1	105	108	75-125	2	20	
1,2-Dichlorobenzene	mg/kg	1	1.1	1.1	107	109	75-125	2	20	
1,2-Dichloroethane	mg/kg	1	0.95	0.96	95	96	75-125	2	20	
1,2-Dichloropropane	mg/kg	1	1.1	1.1	109	111	75-126	1	20	
1,3,5-Trimethylbenzene	mg/kg	1	1.0	1.0	100	101	75-125	1	20	
1,3-Dichlorobenzene	mg/kg	1	1.1	1.1	108	109	75-125	.7	20	
1,3-Dichloropropane	mg/kg	1	1.1	1.1	108	108	75-125	.2	20	
1,4-Dichlorobenzene	mg/kg	1	1.0	1.0	103	104	75-125	.4	20	
2,2-Dichloropropane	mg/kg	1	0.85	0.89	85	89	43-137	4	20	
2-Butanone (MEK)	mg/kg	1	0.76	0.85	76	85	63-129	11	20	
2-Chlorotoluene	mg/kg	1	1.1	1.1	113	114	75-125	1	20	
4-Chlorotoluene	mg/kg	1	1.1	1.1	109	110	75-125	1	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	1.0	1.1	105	109	70-125	4	20	
Acetone	mg/kg	2.5	2.7	2.8	108	112	64-138	3	20	
Allyl chloride	mg/kg	1	1.0	1.0	101	101	73-134	.2	20	
Benzene	mg/kg	1	1.1	1.1	107	109	75-125	2	20	
Bromobenzene	mg/kg	1	1.1	1.1	108	113	75-125	5	20	
Bromochloromethane	mg/kg	1	1.1	1.1	111	114	75-129	2	20	
Bromodichloromethane	mg/kg	1	1.1	1.0	106	103	75-125	3	20	
Bromoform	mg/kg	1	1.0	1.0	101	104	62-125	3	20	
Bromomethane	mg/kg	1	1.1	1.1	113	114	53-150	1	20	
Carbon tetrachloride	mg/kg	1	1.1	1.1	107	106	72-127	.4	20	
Chlorobenzene	mg/kg	1	1.0	1.0	103	104	75-125	.5	20	
Chloroethane	mg/kg	1	0.96	0.95	96	95	36-150	.3	20	
Chloroform	mg/kg	1	0.99	1.0	99	102	75-126	2	20	
Chloromethane	mg/kg	1	0.92	0.89	92	89	57-140	4	20	
cis-1,2-Dichloroethene	mg/kg	1	1.1	1.1	108	114	75-131	5	20	
cis-1,3-Dichloropropene	mg/kg	1	1.1	1.1	107	108	75-125	1	20	
Dibromochloromethane	mg/kg	1	1.1	1.1	105	111	75-125	5	20	
Dibromomethane	mg/kg	1	1.0	1.1	103	107	75-125	4	20	
Dichlorodifluoromethane	mg/kg	1	0.79	0.74	79	74	30-150	6	20	
Dichlorofluoromethane	mg/kg	1	1.1	1.1	107	108	72-133	1	20	
Diethyl ether (Ethyl ether)	mg/kg	1	0.99	1.1	99	106	59-150	7	20	
Ethylbenzene	mg/kg	1	1.1	1.1	107	108	75-129	1	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.50	0.52	100	104	69-137	3	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.1	1.2	115	115	75-130	.07	20	
Methyl-tert-butyl ether	mg/kg	1	1.1	1.1	106	108	73-128	2	20	
Methylene Chloride	mg/kg	1	1.1	1.1	107	107	68-128	.2	20	
n-Butylbenzene	mg/kg	1	1.1	1.1	111	114	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.1	1.2	112	117	75-126	4	20	
Naphthalene	mg/kg	1	1.0	1.0	102	103	75-125	2	20	
p-Isopropyltoluene	mg/kg	1	1.0	1.1	104	105	75-125	2	20	
sec-Butylbenzene	mg/kg	1	1.1	1.1	113	115	75-128	2	20	
Styrene	mg/kg	1	1.1	1.1	113	114	75-125	1	20	
tert-Butylbenzene	mg/kg	1	1.1	1.1	105	107	75-126	2	20	
Tetrachloroethene	mg/kg	1	1.1	1.1	105	111	73-132	5	20	
Tetrahydrofuran	mg/kg	10	11.5	11.8	115	118	63-134	3	20	
Toluene	mg/kg	1	1.1	1.1	109	111	74-128	2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1033533 1033534

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	mg/kg	1	1.0	1.0	102	104	75-136	2	20	
trans-1,3-Dichloropropene	mg/kg	1	1.1	1.1	106	109	71-125	3	20	
Trichloroethene	mg/kg	1	1.1	1.1	108	109	75-131	1	20	
Trichlorofluoromethane	mg/kg	1	0.94	0.92	94	92	65-148	2	20	
Vinyl chloride	mg/kg	1	1.1	1.0	107	100	58-146	6	20	
Xylene (Total)	mg/kg	3	3.3	3.4	111	113	73-129	1	20	
1,2-Dichloroethane-d4 (S)	%				78	81	30-150			
4-Bromofluorobenzene (S)	%				88	93	30-150			
Dibromofluoromethane (S)	%				85	88	30-150			
Toluene-d8 (S)	%				87	89	30-150			

MATRIX SPIKE SAMPLE: 1033535

Parameter	Units	10166412002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.2	1.4	113	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.2	1.3	106	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.2	1.5	118	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.2	1.4	114	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.2	1.3	105	38-150	
1,1-Dichloroethane	mg/kg	ND	1.2	1.3	105	59-139	
1,1-Dichloroethene	mg/kg	ND	1.2	1.3	100	44-150	
1,1-Dichloropropene	mg/kg	ND	1.2	1.5	118	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.2	1.5	120	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.2	1.3	106	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.2	1.5	121	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.2	1.4	109	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.2	1.4	112	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.2	1.4	114	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.2	1.5	117	61-129	
1,2-Dichloroethane	mg/kg	ND	1.2	1.3	101	57-137	
1,2-Dichloropropane	mg/kg	ND	1.2	1.5	118	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.2	1.4	110	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.2	1.5	116	59-133	
1,3-Dichloropropane	mg/kg	ND	1.2	1.4	115	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.2	1.4	111	56-135	
2,2-Dichloropropane	mg/kg	ND	1.2	1.2	93	30-150	
2-Butanone (MEK)	mg/kg	ND	1.2	1.0	82	43-147	
2-Chlorotoluene	mg/kg	ND	1.2	1.5	122	54-144	
4-Chlorotoluene	mg/kg	ND	1.2	1.5	119	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.2	1.4	115	51-136	
Acetone	mg/kg	ND	3.2	3.6	115	40-147	
Allyl chloride	mg/kg	ND	1.2	1.4	111	58-136	
Benzene	mg/kg	ND	1.2	1.5	117	53-138	
Bromobenzene	mg/kg	ND	1.2	1.6	123	56-133	
Bromochloromethane	mg/kg	ND	1.2	1.5	121	58-139	
Bromodichloromethane	mg/kg	ND	1.2	1.4	113	59-129	
Bromoform	mg/kg	ND	1.2	1.4	113	36-137	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1033535

Parameter	Units	10166412002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/kg	ND	1.2	1.6	126	30-150	
Carbon tetrachloride	mg/kg	ND	1.2	1.5	116	42-150	
Chlorobenzene	mg/kg	ND	1.2	1.4	112	60-134	
Chloroethane	mg/kg	ND	1.2	1.3	105	30-150	
Chloroform	mg/kg	ND	1.2	1.4	107	59-138	
Chloromethane	mg/kg	ND	1.2	1.2	93	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.2	1.6	124	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.2	1.4	115	55-135	
Dibromochloromethane	mg/kg	ND	1.2	1.5	116	47-136	
Dibromomethane	mg/kg	ND	1.2	1.4	114	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.2	0.90	71	30-150	
Dichlorofluoromethane	mg/kg	ND	1.2	1.7	136	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.2	1.4	109	53-142	
Ethylbenzene	mg/kg	ND	1.2	1.5	115	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.63	0.69	109	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.2	1.6	124	58-140	
Methyl-tert-butyl ether	mg/kg	ND	1.2	1.4	114	56-132	
Methylene Chloride	mg/kg	ND	1.2	1.4	106	48-137	
n-Butylbenzene	mg/kg	ND	1.2	1.5	121	50-150	
n-Propylbenzene	mg/kg	ND	1.2	1.6	124	64-142	
Naphthalene	mg/kg	ND	1.2	1.4	108	44-139	
p-Isopropyltoluene	mg/kg	ND	1.2	1.4	112	54-145	
sec-Butylbenzene	mg/kg	ND	1.2	1.6	125	72-135	
Styrene	mg/kg	ND	1.2	1.6	125	57-135	
tert-Butylbenzene	mg/kg	ND	1.2	1.4	114	58-148	
Tetrachloroethene	mg/kg	ND	1.2	1.5	115	54-141	
Tetrahydrofuran	mg/kg	ND	12.7	15.4	122	52-137	
Toluene	mg/kg	ND	1.2	1.5	116	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.2	1.4	110	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.2	1.5	116	57-130	
Trichloroethene	mg/kg	ND	1.2	1.5	120	51-142	
Trichlorofluoromethane	mg/kg	ND	1.2	1.2	98	50-150	
Vinyl chloride	mg/kg	ND	1.2	1.3	106	55-133	
Xylene (Total)	mg/kg	ND	3.8	4.6	122	52-141	
1,2-Dichloroethane-d4 (S)	%				88	30-150	
4-Bromofluorobenzene (S)	%				102	30-150	
Dibromofluoromethane (S)	%				96	30-150	
Toluene-d8 (S)	%				98	30-150	

SAMPLE DUPLICATE: 1033536

Parameter	Units	10166412009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1033536

Parameter	Units	10166412009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	ND		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1033536

Parameter	Units	10166412009 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	86	78	13		
4-Bromofluorobenzene (S)	%	93	84	12		
Dibromofluoromethane (S)	%	92	81	14		
Toluene-d8 (S)	%	92	82	13		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MSV/17674 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166412015, 10166412016

METHOD BLANK: 1034199 Matrix: Solid
Associated Lab Samples: 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/17/11 10:23	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/17/11 10:23	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichloropropane	mg/kg	ND	0.050	08/17/11 10:23	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,3-Dichloropropane	mg/kg	ND	0.050	08/17/11 10:23	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
2,2-Dichloropropane	mg/kg	ND	0.20	08/17/11 10:23	
2-Butanone (MEK)	mg/kg	ND	0.50	08/17/11 10:23	
2-Chlorotoluene	mg/kg	ND	0.050	08/17/11 10:23	
4-Chlorotoluene	mg/kg	ND	0.050	08/17/11 10:23	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/17/11 10:23	
Acetone	mg/kg	ND	0.50	08/17/11 10:23	
Allyl chloride	mg/kg	ND	0.20	08/17/11 10:23	
Benzene	mg/kg	ND	0.020	08/17/11 10:23	
Bromobenzene	mg/kg	ND	0.050	08/17/11 10:23	
Bromochloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Bromodichloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Bromoform	mg/kg	ND	0.20	08/17/11 10:23	
Bromomethane	mg/kg	ND	0.50	08/17/11 10:23	
Carbon tetrachloride	mg/kg	ND	0.050	08/17/11 10:23	
Chlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
Chloroethane	mg/kg	ND	0.50	08/17/11 10:23	
Chloroform	mg/kg	ND	0.050	08/17/11 10:23	
Chloromethane	mg/kg	ND	0.20	08/17/11 10:23	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
Dibromochloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Dibromomethane	mg/kg	ND	0.050	08/17/11 10:23	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1034199 Matrix: Solid

Associated Lab Samples: 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/kg	ND	0.050	08/17/11 10:23	
Dichlorofluoromethane	mg/kg	ND	0.50	08/17/11 10:23	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/17/11 10:23	
Ethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/17/11 10:23	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/17/11 10:23	
m&p-Xylene	ug/kg	ND	100	08/17/11 10:23	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/17/11 10:23	
Methylene Chloride	mg/kg	ND	0.20	08/17/11 10:23	
n-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
n-Propylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Naphthalene	mg/kg	ND	0.20	08/17/11 10:23	
o-Xylene	ug/kg	ND	50.0	08/17/11 10:23	
p-Isopropyltoluene	mg/kg	ND	0.050	08/17/11 10:23	
sec-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Styrene	mg/kg	ND	0.050	08/17/11 10:23	
tert-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Tetrachloroethene	mg/kg	ND	0.050	08/17/11 10:23	
Tetrahydrofuran	mg/kg	ND	2.0	08/17/11 10:23	
Toluene	mg/kg	ND	0.050	08/17/11 10:23	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
Trichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
Trichlorofluoromethane	mg/kg	ND	0.20	08/17/11 10:23	
Vinyl chloride	mg/kg	ND	0.020	08/17/11 10:23	
Xylene (Total)	mg/kg	ND	0.15	08/17/11 10:23	
1,2-Dichloroethane-d4 (S)	%	80	30-150	08/17/11 10:23	
4-Bromofluorobenzene (S)	%	81	30-150	08/17/11 10:23	
Dibromofluoromethane (S)	%	83	30-150	08/17/11 10:23	
Toluene-d8 (S)	%	78	30-150	08/17/11 10:23	

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	0.96	0.96	96	96	75-125	.3	20	
1,1,1-Trichloroethane	mg/kg	1	0.92	0.95	92	95	75-126	3	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
1,1,2-Trichloroethane	mg/kg	1	0.96	0.96	96	96	75-125	.2	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	0.96	0.98	96	98	62-150	2	20	
1,1-Dichloroethane	mg/kg	1	0.92	0.96	92	96	75-130	4	20	
1,1-Dichloroethene	mg/kg	1	0.85	0.94	85	94	67-142	10	20	
1,1-Dichloropropene	mg/kg	1	0.94	1.0	94	100	73-136	6	20	
1,2,3-Trichlorobenzene	mg/kg	1	0.99	1.0	99	102	75-125	3	20	
1,2,3-Trichloropropane	mg/kg	1	0.87	0.90	87	90	75-125	4	20	
1,2,4-Trichlorobenzene	mg/kg	1	0.98	1.0	98	103	75-125	5	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	1	0.89	0.94	89	94	75-125	6	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	0.93	0.91	93	91	66-125	1	20	
1,2-Dibromoethane (EDB)	mg/kg	1	0.95	0.99	95	99	75-125	4	20	
1,2-Dichlorobenzene	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
1,2-Dichloroethane	mg/kg	1	0.92	0.94	92	94	75-125	2	20	
1,2-Dichloropropane	mg/kg	1	0.95	1.0	95	101	75-126	6	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.89	0.91	89	91	75-125	3	20	
1,3-Dichlorobenzene	mg/kg	1	0.98	1.0	98	100	75-125	2	20	
1,3-Dichloropropane	mg/kg	1	0.96	0.99	96	99	75-125	3	20	
1,4-Dichlorobenzene	mg/kg	1	0.93	0.96	93	96	75-125	3	20	
2,2-Dichloropropane	mg/kg	1	0.99	1.0	99	101	43-137	2	20	
2-Butanone (MEK)	mg/kg	1	1.0	0.98	101	98	63-129	3	20	
2-Chlorotoluene	mg/kg	1	0.99	1.0	99	103	75-125	4	20	
4-Chlorotoluene	mg/kg	1	0.98	1.0	98	101	75-125	3	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	0.91	0.93	91	93	70-125	3	20	
Acetone	mg/kg	2.5	3.2	2.9	128	117	64-138	9	20	
Allyl chloride	mg/kg	1	0.94	1.0	94	102	73-134	8	20	
Benzene	mg/kg	1	0.95	0.97	95	97	75-125	3	20	
Bromobenzene	mg/kg	1	0.98	1.0	98	101	75-125	3	20	
Bromochloromethane	mg/kg	1	1.0	1.1	100	107	75-129	7	20	
Bromodichloromethane	mg/kg	1	0.98	0.99	98	99	75-125	.9	20	
Bromoform	mg/kg	1	0.97	1.0	97	101	62-125	4	20	
Bromomethane	mg/kg	1	1.1	1.2	111	122	53-150	9	20	
Carbon tetrachloride	mg/kg	1	1.0	1.1	103	106	72-127	3	20	
Chlorobenzene	mg/kg	1	0.91	0.96	91	96	75-125	5	20	
Chloroethane	mg/kg	1	0.96	1.0	96	101	36-150	5	20	
Chloroform	mg/kg	1	0.92	0.95	92	95	75-126	3	20	
Chloromethane	mg/kg	1	0.83	0.86	83	86	57-140	4	20	
cis-1,2-Dichloroethene	mg/kg	1	0.93	0.98	93	98	75-131	5	20	
cis-1,3-Dichloropropene	mg/kg	1	0.98	1.0	98	102	75-125	4	20	
Dibromochloromethane	mg/kg	1	0.97	1.0	97	102	75-125	5	20	
Dibromomethane	mg/kg	1	0.94	0.97	94	97	75-125	3	20	
Dichlorodifluoromethane	mg/kg	1	0.72	0.77	72	77	30-150	7	20	
Dichlorofluoromethane	mg/kg	1	1.1	1.2	111	115	72-133	4	20	
Diethyl ether (Ethyl ether)	mg/kg	1	0.97	1.0	97	100	59-150	2	20	
Ethylbenzene	mg/kg	1	0.96	1.0	96	100	75-129	4	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.48	0.53	97	107	69-137	10	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.0	1.1	102	107	75-130	5	20	
m&p-Xylene	ug/kg	2000	1980	2060	99	103	73-129	4	20	
Methyl-tert-butyl ether	mg/kg	1	0.96	0.99	96	99	73-128	3	20	
Methylene Chloride	mg/kg	1	0.93	0.96	93	96	68-128	3	20	
n-Butylbenzene	mg/kg	1	1.0	1.1	104	105	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.0	1.1	100	106	75-126	5	20	
Naphthalene	mg/kg	1	0.87	0.88	87	88	75-125	1	20	
o-Xylene	ug/kg	1000	984	1030	98	103	72-129	4	20	
p-Isopropyltoluene	mg/kg	1	0.94	0.97	94	97	75-125	3	20	
sec-Butylbenzene	mg/kg	1	1.0	1.1	103	106	75-128	3	20	
Styrene	mg/kg	1	1.0	1.0	100	105	75-125	5	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
tert-Butylbenzene	mg/kg	1	0.93	0.97	93	97	75-126	4	20	
Tetrachloroethene	mg/kg	1	0.98	1.0	98	101	73-132	4	20	
Tetrahydrofuran	mg/kg	10	9.4	9.4	94	94	63-134	.4	20	
Toluene	mg/kg	1	0.95	0.97	95	97	74-128	2	20	
trans-1,2-Dichloroethene	mg/kg	1	0.94	0.98	94	98	75-136	4	20	
trans-1,3-Dichloropropene	mg/kg	1	1.0	1.0	100	103	71-125	3	20	
Trichloroethene	mg/kg	1	0.95	1.0	95	101	75-131	5	20	
Trichlorofluoromethane	mg/kg	1	0.94	0.96	94	96	65-148	2	20	
Vinyl chloride	mg/kg	1	0.91	0.96	91	96	58-146	6	20	
Xylene (Total)	mg/kg	3	3.0	3.1	99	103	73-129	4	20	
1,2-Dichloroethane-d4 (S)	%				80	69	30-150			
4-Bromofluorobenzene (S)	%				85	75	30-150			
Dibromofluoromethane (S)	%				84	75	30-150			
Toluene-d8 (S)	%				83	75	30-150			

MATRIX SPIKE SAMPLE: 1034202

Parameter	Units	10166412015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	92	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.1	1.0	90	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	92	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.1	1.1	96	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.1	1.1	94	38-150	
1,1-Dichloroethane	mg/kg	ND	1.1	1.0	89	59-139	
1,1-Dichloroethene	mg/kg	ND	1.1	0.99	86	44-150	
1,1-Dichloropropene	mg/kg	ND	1.1	1.1	93	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.1	1.1	96	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.1	0.97	85	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.1	1.1	95	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.1	1.0	87	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.1	0.96	84	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.1	1.0	90	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.1	1.1	94	61-129	
1,2-Dichloroethane	mg/kg	ND	1.1	1.0	88	57-137	
1,2-Dichloropropane	mg/kg	ND	1.1	1.1	95	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.1	1.0	87	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.1	1.1	93	59-133	
1,3-Dichloropropane	mg/kg	ND	1.1	1.0	91	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.1	1.0	90	56-135	
2,2-Dichloropropane	mg/kg	ND	1.1	1.1	93	30-150	
2-Butanone (MEK)	mg/kg	ND	1.1	1.1	94	43-147	
2-Chlorotoluene	mg/kg	ND	1.1	1.1	96	54-144	
4-Chlorotoluene	mg/kg	ND	1.1	1.1	97	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.1	1.0	89	51-136	
Acetone	mg/kg	ND	2.9	2.9	103	40-147	
Allyl chloride	mg/kg	ND	1.1	1.1	93	58-136	
Benzene	mg/kg	ND	1.1	1.1	93	53-138	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1034202

Parameter	Units	10166412015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	mg/kg	ND	1.1	1.1	96	56-133	
Bromochloromethane	mg/kg	ND	1.1	1.1	99	58-139	
Bromodichloromethane	mg/kg	ND	1.1	1.1	95	59-129	
Bromoform	mg/kg	ND	1.1	1.1	96	36-137	
Bromomethane	mg/kg	ND	1.1	1.3	117	30-150	
Carbon tetrachloride	mg/kg	ND	1.1	1.1	100	42-150	
Chlorobenzene	mg/kg	ND	1.1	1.0	89	60-134	
Chloroethane	mg/kg	ND	1.1	1.1	95	30-150	
Chloroform	mg/kg	ND	1.1	1.0	90	59-138	
Chloromethane	mg/kg	ND	1.1	0.95	83	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.1	1.1	93	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	95	55-135	
Dibromochloromethane	mg/kg	ND	1.1	1.1	95	47-136	
Dibromomethane	mg/kg	ND	1.1	1.1	93	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.1	0.82	72	30-150	
Dichlorofluoromethane	mg/kg	ND	1.1	1.3	112	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.1	1.1	94	53-142	
Ethylbenzene	mg/kg	ND	1.1	1.1	94	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.58	0.54	94	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.1	1.2	101	58-140	
m&p-Xylene	ug/kg	ND	2290	2240	97	37-150	
Methyl-tert-butyl ether	mg/kg	ND	1.1	1.1	93	56-132	
Methylene Chloride	mg/kg	ND	1.1	1.1	92	48-137	
n-Butylbenzene	mg/kg	ND	1.1	1.1	100	50-150	
n-Propylbenzene	mg/kg	ND	1.1	1.1	97	64-142	
Naphthalene	mg/kg	ND	1.1	0.98	86	44-139	
o-Xylene	ug/kg	ND	1150	1110	96	56-133	
p-Isopropyltoluene	mg/kg	ND	1.1	1.0	90	54-145	
sec-Butylbenzene	mg/kg	ND	1.1	1.1	99	72-135	
Styrene	mg/kg	ND	1.1	1.1	99	57-135	
tert-Butylbenzene	mg/kg	ND	1.1	1.0	90	58-148	
Tetrachloroethene	mg/kg	ND	1.1	1.1	97	54-141	
Tetrahydrofuran	mg/kg	ND	11.5	10.7	93	52-137	
Toluene	mg/kg	ND	1.1	1.1	92	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.1	1.0	91	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	96	57-130	
Trichloroethene	mg/kg	ND	1.1	1.1	95	51-142	
Trichlorofluoromethane	mg/kg	ND	1.1	0.99	86	50-150	
Vinyl chloride	mg/kg	ND	1.1	1.0	90	55-133	
Xylene (Total)	mg/kg	ND	3.5	3.3	97	52-141	
1,2-Dichloroethane-d4 (S)	%				69	30-150	
4-Bromofluorobenzene (S)	%				75	30-150	
Dibromofluoromethane (S)	%				73	30-150	
Toluene-d8 (S)	%				74	30-150	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1034203

Parameter	Units	10166412016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	.7J		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1034203

Parameter	Units	10166412016 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	
Naphthalene	mg/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	134	154	15		S3
4-Bromofluorobenzene (S)	%	133	145	10		
Dibromofluoromethane (S)	%	142	157	12		S3
Toluene-d8 (S)	%	126	138	11		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MSV/17666
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166412003

METHOD BLANK: 1033547
Matrix: Water
Associated Lab Samples: 10166412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
1,1-Dichloropropene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloroethane	ug/L	ND	1.0	08/15/11 21:05	
1,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
1,3-Dichloropropane	ug/L	ND	1.0	08/15/11 21:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
2,2-Dichloropropane	ug/L	ND	4.0	08/15/11 21:05	
2-Butanone (MEK)	ug/L	ND	4.0	08/15/11 21:05	
2-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Chlorotoluene	ug/L	ND	1.0	08/15/11 21:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/15/11 21:05	
Acetone	ug/L	ND	25.0	08/15/11 21:05	CL
Allyl chloride	ug/L	ND	4.0	08/15/11 21:05	
Benzene	ug/L	ND	1.0	08/15/11 21:05	
Bromobenzene	ug/L	ND	1.0	08/15/11 21:05	
Bromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromodichloromethane	ug/L	ND	1.0	08/15/11 21:05	
Bromoform	ug/L	ND	4.0	08/15/11 21:05	
Bromomethane	ug/L	ND	4.0	08/15/11 21:05	
Carbon tetrachloride	ug/L	ND	1.0	08/15/11 21:05	
Chlorobenzene	ug/L	ND	1.0	08/15/11 21:05	
Chloroethane	ug/L	ND	1.0	08/15/11 21:05	
Chloroform	ug/L	ND	1.0	08/15/11 21:05	
Chloromethane	ug/L	ND	4.0	08/15/11 21:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/15/11 21:05	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Dibromochloromethane	ug/L	ND	1.0	08/15/11 21:05	
Dibromomethane	ug/L	ND	4.0	08/15/11 21:05	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1033547 Matrix: Water

Associated Lab Samples: 10166412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Dichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/15/11 21:05	
Ethylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/15/11 21:05	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/15/11 21:05	
m&p-Xylene	ug/L	ND	2.0	08/15/11 21:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/15/11 21:05	
Methylene Chloride	ug/L	ND	4.0	08/15/11 21:05	
n-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
n-Propylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Naphthalene	ug/L	ND	4.0	08/15/11 21:05	
o-Xylene	ug/L	ND	1.0	08/15/11 21:05	
p-Isopropyltoluene	ug/L	ND	1.0	08/15/11 21:05	
sec-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Styrene	ug/L	ND	1.0	08/15/11 21:05	
tert-Butylbenzene	ug/L	ND	1.0	08/15/11 21:05	
Tetrachloroethene	ug/L	ND	1.0	08/15/11 21:05	
Tetrahydrofuran	ug/L	ND	10.0	08/15/11 21:05	
Toluene	ug/L	ND	1.0	08/15/11 21:05	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/15/11 21:05	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/15/11 21:05	
Trichloroethene	ug/L	ND	1.0	08/15/11 21:05	
Trichlorofluoromethane	ug/L	ND	1.0	08/15/11 21:05	
Vinyl chloride	ug/L	ND	0.40	08/15/11 21:05	
Xylene (Total)	ug/L	ND	3.0	08/15/11 21:05	
1,2-Dichloroethane-d4 (S)	%	100	75-125	08/15/11 21:05	
4-Bromofluorobenzene (S)	%	99	75-125	08/15/11 21:05	
Dibromofluoromethane (S)	%	102	75-125	08/15/11 21:05	
Toluene-d8 (S)	%	99	75-125	08/15/11 21:05	

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	75-125	
1,1,1-Trichloroethane	ug/L	50	51.7	103	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	47.3	95	75-125	
1,1,2-Trichloroethane	ug/L	50	50.1	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.9	90	75-126	
1,1-Dichloroethane	ug/L	50	51.2	102	75-125	
1,1-Dichloroethene	ug/L	50	51.6	103	75-125	
1,1-Dichloropropene	ug/L	50	51.1	102	75-125	
1,2,3-Trichlorobenzene	ug/L	50	49.7	99	68-128	
1,2,3-Trichloropropane	ug/L	50	48.9	98	75-125	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.4	99	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	75-125	
1,2-Dichlorobenzene	ug/L	50	49.2	98	75-125	
1,2-Dichloroethane	ug/L	50	51.1	102	71-125	
1,2-Dichloropropane	ug/L	50	51.1	102	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.3	99	75-125	
1,3-Dichlorobenzene	ug/L	50	48.5	97	75-125	
1,3-Dichloropropane	ug/L	50	48.5	97	75-125	
1,4-Dichlorobenzene	ug/L	50	48.1	96	75-125	
2,2-Dichloropropane	ug/L	50	46.0	92	69-132	
2-Butanone (MEK)	ug/L	50	43.2	86	56-137	
2-Chlorotoluene	ug/L	50	48.0	96	75-125	
4-Chlorotoluene	ug/L	50	49.2	98	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.4	99	67-125	
Acetone	ug/L	125	65.6	52	41-130	CL
Allyl chloride	ug/L	50	51.8	104	59-130	
Benzene	ug/L	50	51.1	102	75-125	
Bromobenzene	ug/L	50	48.6	97	75-125	
Bromochloromethane	ug/L	50	55.0	110	75-125	
Bromodichloromethane	ug/L	50	51.3	103	75-125	
Bromoform	ug/L	50	49.7	99	75-125	
Bromomethane	ug/L	50	40.9	82	45-138	
Carbon tetrachloride	ug/L	50	50.9	102	75-125	
Chlorobenzene	ug/L	50	49.4	99	75-125	
Chloroethane	ug/L	50	54.9	110	72-125	
Chloroform	ug/L	50	50.7	101	75-125	
Chloromethane	ug/L	50	51.1	102	65-125	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	75-125	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	75-125	
Dibromochloromethane	ug/L	50	49.1	98	75-125	
Dibromomethane	ug/L	50	51.5	103	75-125	
Dichlorodifluoromethane	ug/L	50	49.6	99	55-143	
Dichlorofluoromethane	ug/L	50	51.2	102	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	51.1	102	75-125	
Ethylbenzene	ug/L	50	48.9	98	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.1	96	69-132	
Isopropylbenzene (Cumene)	ug/L	50	50.3	101	75-125	
m&p-Xylene	ug/L	100	99.6	100	75-125	
Methyl-tert-butyl ether	ug/L	50	50.7	101	75-125	
Methylene Chloride	ug/L	50	50.7	101	75-125	
n-Butylbenzene	ug/L	50	48.9	98	75-125	
n-Propylbenzene	ug/L	50	48.5	97	75-125	
Naphthalene	ug/L	50	51.0	102	74-129	
o-Xylene	ug/L	50	49.9	100	75-125	
p-Isopropyltoluene	ug/L	50	50.0	100	75-125	
sec-Butylbenzene	ug/L	50	49.5	99	75-125	
Styrene	ug/L	50	49.8	100	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1033548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	49.5	99	75-125	
Tetrachloroethene	ug/L	50	49.3	99	75-125	
Tetrahydrofuran	ug/L	500	505	101	64-128	
Toluene	ug/L	50	47.8	96	75-125	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	75-125	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	75-125	
Trichloroethene	ug/L	50	52.2	104	75-125	
Trichlorofluoromethane	ug/L	50	50.9	102	75-125	
Vinyl chloride	ug/L	50	56.4	113	74-125	
Xylene (Total)	ug/L	150	150	100	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.2	98	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.0	102	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	44.7	89	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	48.1	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	57.8	116	75-150	
1,1-Dichloroethane	ug/L	ND	50	48.5	97	75-125	
1,1-Dichloroethene	ug/L	ND	50	51.7	103	75-134	
1,1-Dichloropropene	ug/L	ND	50	52.9	106	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	49.0	98	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	46.2	92	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.9	98	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	48.8	98	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	48.0	96	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	47.9	96	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.4	99	75-125	
1,2-Dichloroethane	ug/L	ND	50	50.5	101	69-129	
1,2-Dichloropropane	ug/L	ND	50	49.2	98	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	48.1	96	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichloropropane	ug/L	ND	50	46.7	93	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	75-125	
2,2-Dichloropropane	ug/L	ND	50	46.5	93	69-141	
2-Butanone (MEK)	ug/L	ND	50	42.3	85	42-137	
2-Chlorotoluene	ug/L	ND	50	48.4	97	68-147	
4-Chlorotoluene	ug/L	ND	50	50.3	101	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	48.0	96	57-126	
Acetone	ug/L	ND	125	62.9	50	34-130	CL
Allyl chloride	ug/L	ND	50	47.3	95	53-140	
Benzene	ug/L	ND	50	52.9	106	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1034175

Parameter	Units	10166284010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	49.1	98	75-125	
Bromochloromethane	ug/L	ND	50	54.7	109	75-125	
Bromodichloromethane	ug/L	ND	50	50.5	101	75-125	
Bromoform	ug/L	ND	50	49.3	99	75-125	
Bromomethane	ug/L	ND	50	38.5	77	41-150	
Carbon tetrachloride	ug/L	ND	50	55.1	110	75-135	
Chlorobenzene	ug/L	ND	50	50.6	101	75-125	
Chloroethane	ug/L	ND	50	55.6	111	71-139	
Chloroform	ug/L	ND	50	53.2	106	75-125	
Chloromethane	ug/L	ND	50	48.3	97	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	48.7	97	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	49.3	99	75-125	
Dibromochloromethane	ug/L	ND	50	48.3	97	75-125	
Dibromomethane	ug/L	ND	50	51.1	102	75-125	
Dichlorodifluoromethane	ug/L	ND	50	61.2	122	55-150	
Dichlorofluoromethane	ug/L	ND	50	51.7	103	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.5	97	75-125	
Ethylbenzene	ug/L	ND	50	49.6	99	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	24.2	97	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.3	99	75-125	
m&p-Xylene	ug/L	ND	100	99.6	100	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	49.8	100	75-125	
Methylene Chloride	ug/L	ND	50	53.1	102	75-125	
n-Butylbenzene	ug/L	ND	50	48.2	96	75-141	
n-Propylbenzene	ug/L	ND	50	49.5	99	75-132	
Naphthalene	ug/L	ND	50	49.5	99	74-138	
o-Xylene	ug/L	ND	50	49.4	99	75-128	
p-Isopropyltoluene	ug/L	ND	50	49.7	99	75-133	
sec-Butylbenzene	ug/L	ND	50	50.0	100	75-136	
Styrene	ug/L	ND	50	45.5	91	72-125	
tert-Butylbenzene	ug/L	ND	50	50.0	100	75-132	
Tetrachloroethene	ug/L	ND	50	50.6	99	75-126	
Tetrahydrofuran	ug/L	ND	500	490	98	64-128	
Toluene	ug/L	ND	50	49.5	99	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	49.6	99	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	48.9	98	75-125	
Trichloroethene	ug/L	ND	50	51.7	103	75-125	
Trichlorofluoromethane	ug/L	ND	50	56.1	112	75-150	
Vinyl chloride	ug/L	ND	50	54.5	109	74-142	
Xylene (Total)	ug/L	ND	150	149	99	73-132	
1,2-Dichloroethane-d4 (S)	%				97	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	CL
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1034174

Parameter	Units	10166261004 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	100	1		
4-Bromofluorobenzene (S)	%	98	98	.09		
Dibromofluoromethane (S)	%	103	103	.3		
Toluene-d8 (S)	%	98	98	.2		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MSV/17670 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166412007, 10166412008

METHOD BLANK: 1033942 Matrix: Water
Associated Lab Samples: 10166412007, 10166412008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloroethene	ug/L	ND	1.0	08/16/11 16:26	
1,1-Dichloropropene	ug/L	ND	1.0	08/16/11 16:26	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichloroethane	ug/L	ND	1.0	08/16/11 16:26	
1,2-Dichloropropane	ug/L	ND	4.0	08/16/11 16:26	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
1,3-Dichloropropane	ug/L	ND	1.0	08/16/11 16:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
2,2-Dichloropropane	ug/L	ND	4.0	08/16/11 16:26	
2-Butanone (MEK)	ug/L	ND	4.0	08/16/11 16:26	
2-Chlorotoluene	ug/L	ND	1.0	08/16/11 16:26	
4-Chlorotoluene	ug/L	ND	1.0	08/16/11 16:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/16/11 16:26	
Acetone	ug/L	ND	25.0	08/16/11 16:26	
Allyl chloride	ug/L	ND	4.0	08/16/11 16:26	
Benzene	ug/L	ND	1.0	08/16/11 16:26	
Bromobenzene	ug/L	ND	1.0	08/16/11 16:26	
Bromochloromethane	ug/L	ND	1.0	08/16/11 16:26	
Bromodichloromethane	ug/L	ND	1.0	08/16/11 16:26	
Bromoform	ug/L	ND	4.0	08/16/11 16:26	
Bromomethane	ug/L	ND	4.0	08/16/11 16:26	
Carbon tetrachloride	ug/L	ND	1.0	08/16/11 16:26	
Chlorobenzene	ug/L	ND	1.0	08/16/11 16:26	
Chloroethane	ug/L	ND	1.0	08/16/11 16:26	
Chloroform	ug/L	ND	1.0	08/16/11 16:26	
Chloromethane	ug/L	ND	4.0	08/16/11 16:26	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/16/11 16:26	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/16/11 16:26	
Dibromochloromethane	ug/L	ND	1.0	08/16/11 16:26	
Dibromomethane	ug/L	ND	4.0	08/16/11 16:26	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1033942 Matrix: Water

Associated Lab Samples: 10166412007, 10166412008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Dichlorofluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/16/11 16:26	
Ethylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/16/11 16:26	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/16/11 16:26	
m&p-Xylene	ug/L	ND	2.0	08/16/11 16:26	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/16/11 16:26	
Methylene Chloride	ug/L	ND	4.0	08/16/11 16:26	
n-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
n-Propylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Naphthalene	ug/L	ND	4.0	08/16/11 16:26	
o-Xylene	ug/L	ND	1.0	08/16/11 16:26	
p-Isopropyltoluene	ug/L	ND	1.0	08/16/11 16:26	
sec-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Styrene	ug/L	ND	1.0	08/16/11 16:26	
tert-Butylbenzene	ug/L	ND	1.0	08/16/11 16:26	
Tetrachloroethene	ug/L	ND	1.0	08/16/11 16:26	
Tetrahydrofuran	ug/L	ND	10.0	08/16/11 16:26	
Toluene	ug/L	ND	1.0	08/16/11 16:26	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/16/11 16:26	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/16/11 16:26	
Trichloroethene	ug/L	ND	1.0	08/16/11 16:26	
Trichlorofluoromethane	ug/L	ND	1.0	08/16/11 16:26	
Vinyl chloride	ug/L	ND	0.40	08/16/11 16:26	
Xylene (Total)	ug/L	ND	3.0	08/16/11 16:26	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/16/11 16:26	
4-Bromofluorobenzene (S)	%	100	75-125	08/16/11 16:26	
Dibromofluoromethane (S)	%	102	75-125	08/16/11 16:26	
Toluene-d8 (S)	%	101	75-125	08/16/11 16:26	

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	75-125	
1,1,1-Trichloroethane	ug/L	20	19.7	99	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	75-125	
1,1,2-Trichloroethane	ug/L	20	20.5	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.5	97	75-126	
1,1-Dichloroethane	ug/L	20	19.4	97	75-125	
1,1-Dichloroethene	ug/L	20	19.9	99	75-125	
1,1-Dichloropropene	ug/L	20	19.4	97	75-125	
1,2,3-Trichlorobenzene	ug/L	20	19.9	100	68-128	
1,2,3-Trichloropropane	ug/L	20	19.8	99	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.9	99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	68-125	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	75-125	
1,2-Dichlorobenzene	ug/L	20	19.9	100	75-125	
1,2-Dichloroethane	ug/L	20	19.8	99	71-125	
1,2-Dichloropropane	ug/L	20	20.2	101	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,3-Dichlorobenzene	ug/L	20	19.8	99	75-125	
1,3-Dichloropropane	ug/L	20	20.7	103	75-125	
1,4-Dichlorobenzene	ug/L	20	19.4	97	75-125	
2,2-Dichloropropane	ug/L	20	20.3	101	69-132	
2-Butanone (MEK)	ug/L	20	18.5	93	56-137	
2-Chlorotoluene	ug/L	20	19.9	99	75-125	
4-Chlorotoluene	ug/L	20	19.8	99	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.2	101	67-125	
Acetone	ug/L	50	39.5	79	41-130	
Allyl chloride	ug/L	20	20.7	103	59-130	
Benzene	ug/L	20	19.6	98	75-125	
Bromobenzene	ug/L	20	20.0	100	75-125	
Bromochloromethane	ug/L	20	21.0	105	75-125	
Bromodichloromethane	ug/L	20	20.1	100	75-125	
Bromoform	ug/L	20	19.3	97	75-125	
Bromomethane	ug/L	20	17.5	87	45-138	
Carbon tetrachloride	ug/L	20	19.8	99	75-125	
Chlorobenzene	ug/L	20	20.4	102	75-125	
Chloroethane	ug/L	20	20.2	101	72-125	
Chloroform	ug/L	20	19.8	99	75-125	
Chloromethane	ug/L	20	19.0	95	65-125	
cis-1,2-Dichloroethene	ug/L	20	19.9	100	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.3	102	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	20.3	101	75-125	
Dichlorodifluoromethane	ug/L	20	18.8	94	55-143	
Dichlorofluoromethane	ug/L	20	19.9	100	75-125	
Diethyl ether (Ethyl ether)	ug/L	20	20.5	103	75-125	
Ethylbenzene	ug/L	20	20.1	100	75-125	
Hexachloro-1,3-butadiene	ug/L	10	9.8	98	69-132	
Isopropylbenzene (Cumene)	ug/L	20	20.5	103	75-125	
m&p-Xylene	ug/L	40	40.5	101	75-125	
Methyl-tert-butyl ether	ug/L	20	20.2	101	75-125	
Methylene Chloride	ug/L	20	20.3	102	75-125	
n-Butylbenzene	ug/L	20	20.2	101	75-125	
n-Propylbenzene	ug/L	20	20.3	102	75-125	
Naphthalene	ug/L	20	20.2	101	74-129	
o-Xylene	ug/L	20	20.3	102	75-125	
p-Isopropyltoluene	ug/L	20	20.5	102	75-125	
sec-Butylbenzene	ug/L	20	20.2	101	75-125	
Styrene	ug/L	20	20.2	101	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1033943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	20.1	100	75-125	
Tetrachloroethene	ug/L	20	19.7	99	75-125	
Tetrahydrofuran	ug/L	200	201	101	64-128	
Toluene	ug/L	20	19.9	100	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	75-125	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	75-125	
Trichloroethene	ug/L	20	19.7	99	75-125	
Trichlorofluoromethane	ug/L	20	18.8	94	75-125	
Vinyl chloride	ug/L	20	18.6	93	74-125	
Xylene (Total)	ug/L	60	60.8	101	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034956 1034957

Parameter	Units	10166572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.9	20.1	99	100	75-125	.8	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.2	21.0	111	105	75-128	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.3	19.9	101	99	75-125	2	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.2	20.4	101	102	75-125	.9	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	24.8	23.5	124	117	75-150	5	30	
1,1-Dichloroethane	ug/L	ND	20	20	21.0	20.2	105	101	75-125	4	30	
1,1-Dichloroethene	ug/L	ND	20	20	23.3	21.9	117	109	75-134	6	30	
1,1-Dichloropropene	ug/L	ND	20	20	22.5	21.5	112	108	75-131	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20.1	19.9	100	100	67-145	.7	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	20.9	19.9	105	99	75-125	5	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20.3	20.0	101	100	74-138	1	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.7	20.6	104	103	75-126	.6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.2	20.2	96	101	68-129	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	20.1	101	101	75-125	.1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.0	20.0	100	100	75-125	.08	30	
1,2-Dichloroethane	ug/L	ND	20	20	20.2	19.9	101	99	69-129	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	20.5	19.8	103	99	75-125	3	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.0	20.5	105	103	75-125	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.0	19.9	100	100	75-125	.4	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.3	20.0	102	100	75-125	2	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	19.8	19.7	99	99	75-125	.5	30	
2,2-Dichloropropane	ug/L	ND	20	20	23.1	21.7	115	108	69-141	6	30	
2-Butanone (MEK)	ug/L	ND	20	20	18.0	18.1	90	90	42-137	.7	30	
2-Chlorotoluene	ug/L	ND	20	20	20.8	20.4	104	102	68-147	2	30	
4-Chlorotoluene	ug/L	ND	20	20	20.8	20.5	104	103	75-130	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.8	20.0	99	100	57-126	1	30	
Acetone	ug/L	ND	50	50	39.0	38.6	78	77	34-130	1	30	
Allyl chloride	ug/L	ND	20	20	22.9	21.3	114	107	53-140	7	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034956 1034957

Parameter	Units	10166572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	21.0	20.4	105	102	73-136	3	30	
Bromobenzene	ug/L	ND	20	20	20.7	20.2	104	101	75-125	3	30	
Bromochloromethane	ug/L	ND	20	20	20.8	20.2	104	101	75-125	3	30	
Bromodichloromethane	ug/L	ND	20	20	20.0	19.8	100	99	75-125	.9	30	
Bromoform	ug/L	ND	20	20	19.3	19.0	96	95	75-125	2	30	
Bromomethane	ug/L	ND	20	20	20.0	20.5	100	102	41-150	2	30	
Carbon tetrachloride	ug/L	ND	20	20	22.2	21.6	111	108	75-135	3	30	
Chlorobenzene	ug/L	ND	20	20	20.7	20.4	104	102	75-125	1	30	
Chloroethane	ug/L	ND	20	20	22.5	22.0	113	110	71-139	2	30	
Chloroform	ug/L	ND	20	20	20.7	20.3	103	101	75-125	2	30	
Chloromethane	ug/L	ND	20	20	22.7	21.1	110	101	65-144	8	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.6	20.6	108	103	75-125	5	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.2	19.8	101	99	75-125	2	30	
Dibromochloromethane	ug/L	ND	20	20	20.0	19.7	100	98	75-125	2	30	
Dibromomethane	ug/L	ND	20	20	19.5	19.8	97	99	75-125	1	30	
Dichlorodifluoromethane	ug/L	ND	20	20	24.4	23.8	122	119	55-150	3	30	
Dichlorofluoromethane	ug/L	ND	20	20	21.8	20.6	109	103	75-129	5	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	20.2	19.8	101	99	75-125	2	30	
Ethylbenzene	ug/L	ND	20	20	21.2	20.7	106	104	75-137	2	30	
Hexachloro-1,3-butadiene	ug/L	ND	10	10	10.9	10.5	109	105	69-150	3	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.4	20.8	107	104	75-125	3	30	
m&p-Xylene	ug/L	ND	40	40	42.2	41.2	105	103	71-133	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.8	19.8	99	99	75-125	.01	30	
Methylene Chloride	ug/L	ND	20	20	23.0	20.5	115	102	75-125	12	30	
n-Butylbenzene	ug/L	ND	20	20	21.3	21.0	106	105	75-141	1	30	
n-Propylbenzene	ug/L	ND	20	20	21.4	20.9	107	105	75-132	2	30	
Naphthalene	ug/L	ND	20	20	20.4	20.7	102	103	74-138	1	30	
o-Xylene	ug/L	ND	20	20	21.0	20.6	105	103	75-128	2	30	
p-Isopropyltoluene	ug/L	ND	20	20	21.4	20.9	107	105	75-133	2	30	
sec-Butylbenzene	ug/L	ND	20	20	21.5	21.0	108	105	75-136	3	30	
Styrene	ug/L	ND	20	20	20.6	20.0	103	100	72-125	3	30	
tert-Butylbenzene	ug/L	ND	20	20	21.1	20.8	105	104	75-132	1	30	
Tetrachloroethene	ug/L	ND	20	20	21.5	21.1	108	105	75-126	2	30	
Tetrahydrofuran	ug/L	ND	200	200	196	201	98	101	64-128	3	30	
Toluene	ug/L	ND	20	20	21.1	20.5	106	103	75-125	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.1	21.0	110	105	75-127	5	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.1	19.9	101	100	75-125	.8	30	
Trichloroethene	ug/L	ND	20	20	21.6	20.4	108	102	75-125	6	30	
Trichlorofluoromethane	ug/L	ND	20	20	23.7	22.7	119	114	75-150	4	30	
Vinyl chloride	ug/L	ND	20	20	21.9	21.4	110	107	74-142	3	30	
Xylene (Total)	ug/L	ND	60	60	63.2	61.8	105	103	73-132	2	30	
1,2-Dichloroethane-d4 (S)	%						101	97	75-125			
4-Bromofluorobenzene (S)	%						101	102	75-125			
Dibromofluoromethane (S)	%						100	100	75-125			
Toluene-d8 (S)	%						100	100	75-125			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: MSV/17680 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166412011, 10166412014, 10166412018

METHOD BLANK: 1034895 Matrix: Water
Associated Lab Samples: 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloroethene	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloropropene	ug/L	ND	1.0	08/17/11 10:07	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,3-Dichloropropane	ug/L	ND	1.0	08/17/11 10:07	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
2,2-Dichloropropane	ug/L	ND	4.0	08/17/11 10:07	
2-Butanone (MEK)	ug/L	ND	4.0	08/17/11 10:07	
2-Chlorotoluene	ug/L	ND	1.0	08/17/11 10:07	
4-Chlorotoluene	ug/L	ND	1.0	08/17/11 10:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/17/11 10:07	
Acetone	ug/L	ND	25.0	08/17/11 10:07	
Allyl chloride	ug/L	ND	4.0	08/17/11 10:07	
Benzene	ug/L	ND	1.0	08/17/11 10:07	
Bromobenzene	ug/L	ND	1.0	08/17/11 10:07	
Bromochloromethane	ug/L	ND	1.0	08/17/11 10:07	
Bromodichloromethane	ug/L	ND	1.0	08/17/11 10:07	
Bromoform	ug/L	ND	4.0	08/17/11 10:07	
Bromomethane	ug/L	ND	4.0	08/17/11 10:07	
Carbon tetrachloride	ug/L	ND	1.0	08/17/11 10:07	
Chlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
Chloroethane	ug/L	ND	1.0	08/17/11 10:07	
Chloroform	ug/L	ND	1.0	08/17/11 10:07	
Chloromethane	ug/L	ND	4.0	08/17/11 10:07	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/17/11 10:07	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 10:07	
Dibromochloromethane	ug/L	ND	1.0	08/17/11 10:07	
Dibromomethane	ug/L	ND	4.0	08/17/11 10:07	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

METHOD BLANK: 1034895 Matrix: Water

Associated Lab Samples: 10166412011, 10166412014, 10166412018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Dichlorofluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/17/11 10:07	
Ethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/17/11 10:07	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/17/11 10:07	
m&p-Xylene	ug/L	ND	2.0	08/17/11 10:07	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/17/11 10:07	
Methylene Chloride	ug/L	ND	4.0	08/17/11 10:07	
n-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
n-Propylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Naphthalene	ug/L	ND	4.0	08/17/11 10:07	
o-Xylene	ug/L	ND	1.0	08/17/11 10:07	
p-Isopropyltoluene	ug/L	ND	1.0	08/17/11 10:07	
sec-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Styrene	ug/L	ND	1.0	08/17/11 10:07	
tert-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Tetrachloroethene	ug/L	ND	1.0	08/17/11 10:07	
Tetrahydrofuran	ug/L	ND	10.0	08/17/11 10:07	
Toluene	ug/L	ND	1.0	08/17/11 10:07	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/17/11 10:07	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 10:07	
Trichloroethene	ug/L	ND	1.0	08/17/11 10:07	
Trichlorofluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Vinyl chloride	ug/L	ND	0.40	08/17/11 10:07	
Xylene (Total)	ug/L	ND	3.0	08/17/11 10:07	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/17/11 10:07	
4-Bromofluorobenzene (S)	%	99	75-125	08/17/11 10:07	
Dibromofluoromethane (S)	%	100	75-125	08/17/11 10:07	
Toluene-d8 (S)	%	100	75-125	08/17/11 10:07	

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	75-125	
1,1,1-Trichloroethane	ug/L	20	18.6	93	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	75-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	17.2	86	75-126	
1,1-Dichloroethane	ug/L	20	18.4	92	75-125	
1,1-Dichloroethene	ug/L	20	18.6	93	75-125	
1,1-Dichloropropene	ug/L	20	18.0	90	75-125	
1,2,3-Trichlorobenzene	ug/L	20	18.8	94	68-128	
1,2,3-Trichloropropane	ug/L	20	19.5	97	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.3	91	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.9	95	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	19.3	97	68-125	
1,2-Dibromoethane (EDB)	ug/L	20	19.5	97	75-125	
1,2-Dichlorobenzene	ug/L	20	18.8	94	75-125	
1,2-Dichloroethane	ug/L	20	18.9	95	71-125	
1,2-Dichloropropane	ug/L	20	19.4	97	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.8	94	75-125	
1,3-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,3-Dichloropropane	ug/L	20	19.5	97	75-125	
1,4-Dichlorobenzene	ug/L	20	18.4	92	75-125	
2,2-Dichloropropane	ug/L	20	18.3	91	69-132	
2-Butanone (MEK)	ug/L	20	22.8	114	56-137	
2-Chlorotoluene	ug/L	20	18.7	94	75-125	
4-Chlorotoluene	ug/L	20	18.4	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.5	98	67-125	
Acetone	ug/L	50	67.0	134	41-130	CH,L0
Allyl chloride	ug/L	20	19.1	96	59-130	
Benzene	ug/L	20	18.6	93	75-125	
Bromobenzene	ug/L	20	18.9	94	75-125	
Bromochloromethane	ug/L	20	19.3	96	75-125	
Bromodichloromethane	ug/L	20	19.3	97	75-125	
Bromoform	ug/L	20	19.6	98	75-125	
Bromomethane	ug/L	20	21.7	108	45-138	
Carbon tetrachloride	ug/L	20	18.5	92	75-125	
Chlorobenzene	ug/L	20	19.3	96	75-125	
Chloroethane	ug/L	20	19.3	97	72-125	
Chloroform	ug/L	20	18.7	94	75-125	
Chloromethane	ug/L	20	19.3	96	65-125	
cis-1,2-Dichloroethene	ug/L	20	18.7	93	75-125	
cis-1,3-Dichloropropene	ug/L	20	19.5	97	75-125	
Dibromochloromethane	ug/L	20	19.6	98	75-125	
Dibromomethane	ug/L	20	19.3	96	75-125	
Dichlorodifluoromethane	ug/L	20	17.3	87	55-143	
Dichlorofluoromethane	ug/L	20	18.7	93	75-125	
Diethyl ether (Ethyl ether)	ug/L	20	18.9	94	75-125	
Ethylbenzene	ug/L	20	19.1	95	75-125	
Hexachloro-1,3-butadiene	ug/L	10	8.9	89	69-132	
Isopropylbenzene (Cumene)	ug/L	20	18.9	95	75-125	
m&p-Xylene	ug/L	40	37.9	95	75-125	
Methyl-tert-butyl ether	ug/L	20	19.1	96	75-125	
Methylene Chloride	ug/L	20	19.4	97	75-125	
n-Butylbenzene	ug/L	20	18.3	92	75-125	
n-Propylbenzene	ug/L	20	18.9	94	75-125	
Naphthalene	ug/L	20	19.4	97	74-129	
o-Xylene	ug/L	20	18.6	93	75-125	
p-Isopropyltoluene	ug/L	20	18.9	94	75-125	
sec-Butylbenzene	ug/L	20	18.6	93	75-125	
Styrene	ug/L	20	18.8	94	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	18.6	93	75-125	
Tetrachloroethene	ug/L	20	18.3	92	75-125	
Tetrahydrofuran	ug/L	200	195	98	64-128	
Toluene	ug/L	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	20	18.7	93	75-125	
trans-1,3-Dichloropropene	ug/L	20	19.5	98	75-125	
Trichloroethene	ug/L	20	18.8	94	75-125	
Trichlorofluoromethane	ug/L	20	18.5	92	75-125	
Vinyl chloride	ug/L	20	17.8	89	74-125	
Xylene (Total)	ug/L	60	56.6	94	75-125	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			98	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 1035818

Parameter	Units	10166526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	20	19.6	98	75-125	
1,1,1-Trichloroethane	ug/L	<1.0	20	21.1	105	75-128	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	18.9	95	75-125	
1,1,2-Trichloroethane	ug/L	<1.0	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	20	23.4	117	75-150	
1,1-Dichloroethane	ug/L	<1.0	20	20.2	101	75-125	
1,1-Dichloroethene	ug/L	<1.0	20	21.0	105	75-134	
1,1-Dichloropropene	ug/L	<1.0	20	21.1	105	75-131	
1,2,3-Trichlorobenzene	ug/L	<1.0	20	18.4	92	67-145	
1,2,3-Trichloropropane	ug/L	<4.0	20	18.9	94	75-125	
1,2,4-Trichlorobenzene	ug/L	<1.0	20	18.3	92	74-138	
1,2,4-Trimethylbenzene	ug/L	<1.0	20	19.8	99	75-126	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	20	18.5	93	68-129	
1,2-Dibromoethane (EDB)	ug/L	<1.0	20	18.9	94	75-125	
1,2-Dichlorobenzene	ug/L	<1.0	20	19.2	96	75-125	
1,2-Dichloroethane	ug/L	<1.0	20	19.9	100	69-129	
1,2-Dichloropropane	ug/L	<4.0	20	19.8	99	75-125	
1,3,5-Trimethylbenzene	ug/L	<1.0	20	19.8	99	75-125	
1,3-Dichlorobenzene	ug/L	<1.0	20	19.2	96	75-125	
1,3-Dichloropropane	ug/L	<1.0	20	19.4	97	75-125	
1,4-Dichlorobenzene	ug/L	<1.0	20	18.9	94	75-125	
2,2-Dichloropropane	ug/L	<4.0	20	21.0	105	69-141	
2-Butanone (MEK)	ug/L	<4.0	20	18.8	94	42-137	
2-Chlorotoluene	ug/L	<1.0	20	19.6	98	68-147	
4-Chlorotoluene	ug/L	<1.0	20	19.4	97	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	20	19.0	95	57-126	
Acetone	ug/L	<25.0	50	41.0	82	34-130	CH
Allyl chloride	ug/L	<4.0	20	20.5	102	53-140	
Benzene	ug/L	<1.0	20	20.3	102	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

MATRIX SPIKE SAMPLE: 1035818

Parameter	Units	10166526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	<1.0	20	19.0	95	75-125	
Bromochloromethane	ug/L	<1.0	20	20.3	102	75-125	
Bromodichloromethane	ug/L	<1.0	20	19.6	98	75-125	
Bromoform	ug/L	<4.0	20	18.1	91	75-125	
Bromomethane	ug/L	<4.0	20	18.5	92	41-150	
Carbon tetrachloride	ug/L	<1.0	20	21.5	107	75-135	
Chlorobenzene	ug/L	<1.0	20	19.8	99	75-125	
Chloroethane	ug/L	<1.0	20	22.4	112	71-139	
Chloroform	ug/L	<1.0	20	20.0	100	75-125	
Chloromethane	ug/L	<4.0	20	23.2	116	65-144	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20.1	101	75-125	
cis-1,3-Dichloropropene	ug/L	<4.0	20	19.4	97	75-125	
Dibromochloromethane	ug/L	<1.0	20	18.5	92	75-125	
Dibromomethane	ug/L	<4.0	20	19.1	96	75-125	
Dichlorodifluoromethane	ug/L	<1.0	20	24.0	120	55-150	
Dichlorofluoromethane	ug/L	<1.0	20	20.7	104	75-129	
Diethyl ether (Ethyl ether)	ug/L	<4.0	20	19.5	97	75-125	
Ethylbenzene	ug/L	<1.0	20	20.4	102	75-137	
Hexachloro-1,3-butadiene	ug/L	<5.0	10	9.1	91	69-150	
Isopropylbenzene (Cumene)	ug/L	<1.0	20	20.3	102	75-125	
m&p-Xylene	ug/L	<2.0	40	41.9	105	71-133	
Methyl-tert-butyl ether	ug/L	<1.0	20	19.2	96	75-125	
Methylene Chloride	ug/L	<4.0	20	19.3	96	75-125	
n-Butylbenzene	ug/L	<1.0	20	19.8	99	75-141	
n-Propylbenzene	ug/L	<1.0	20	20.3	101	75-132	
Naphthalene	ug/L	<4.0	20	18.3	91	74-138	
o-Xylene	ug/L	<1.0	20	20.4	102	75-128	
p-Isopropyltoluene	ug/L	<1.0	20	20.1	101	75-133	
sec-Butylbenzene	ug/L	<1.0	20	20.0	100	75-136	
Styrene	ug/L	<1.0	20	20.0	100	72-125	
tert-Butylbenzene	ug/L	<1.0	20	19.8	99	75-132	
Tetrachloroethene	ug/L	<1.0	20	20.4	102	75-126	
Tetrahydrofuran	ug/L	<10.0	200	203	101	64-128	
Toluene	ug/L	<1.0	20	19.8	99	75-125	
trans-1,2-Dichloroethene	ug/L	<4.0	20	20.1	101	75-127	
trans-1,3-Dichloropropene	ug/L	<4.0	20	19.0	95	75-125	
Trichloroethene	ug/L	<1.0	20	20.0	100	75-125	
Trichlorofluoromethane	ug/L	<1.0	20	23.7	119	75-150	
Vinyl chloride	ug/L	<0.40	20	21.2	106	74-142	
Xylene (Total)	ug/L	<3.0	60	62.3	104	73-132	
1,2-Dichloroethane-d4 (S)	%				105	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				103	75-125	
Toluene-d8 (S)	%				99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1035819

Parameter	Units	10166527001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,1-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethene	ug/L	<1.0	ND		30	
1,1-Dichloropropene	ug/L	<1.0	ND		30	
1,2,3-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,3-Trichloropropane	ug/L	<4.0	ND		30	
1,2,4-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,4-Trimethylbenzene	ug/L	<1.0	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	ND		30	
1,2-Dibromoethane (EDB)	ug/L	<1.0	ND		30	
1,2-Dichlorobenzene	ug/L	<1.0	ND		30	
1,2-Dichloroethane	ug/L	<1.0	ND		30	
1,2-Dichloropropane	ug/L	<4.0	ND		30	
1,3,5-Trimethylbenzene	ug/L	<1.0	ND		30	
1,3-Dichlorobenzene	ug/L	<1.0	ND		30	
1,3-Dichloropropane	ug/L	<1.0	ND		30	
1,4-Dichlorobenzene	ug/L	<1.0	ND		30	
2,2-Dichloropropane	ug/L	<4.0	ND		30	
2-Butanone (MEK)	ug/L	<4.0	ND		30	
2-Chlorotoluene	ug/L	<1.0	ND		30	
4-Chlorotoluene	ug/L	<1.0	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	ND		30	
Acetone	ug/L	<25.0	ND		30	
Allyl chloride	ug/L	<4.0	ND		30	
Benzene	ug/L	<1.0	ND		30	
Bromobenzene	ug/L	<1.0	ND		30	
Bromochloromethane	ug/L	<1.0	ND		30	
Bromodichloromethane	ug/L	<1.0	ND		30	
Bromoform	ug/L	<4.0	ND		30	
Bromomethane	ug/L	<4.0	ND		30	
Carbon tetrachloride	ug/L	<1.0	ND		30	
Chlorobenzene	ug/L	<1.0	ND		30	
Chloroethane	ug/L	<1.0	ND		30	
Chloroform	ug/L	<1.0	ND		30	
Chloromethane	ug/L	<4.0	ND		30	
cis-1,2-Dichloroethene	ug/L	<1.0	ND		30	
cis-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Dibromochloromethane	ug/L	<1.0	ND		30	
Dibromomethane	ug/L	<4.0	ND		30	
Dichlorodifluoromethane	ug/L	<1.0	ND		30	
Dichlorofluoromethane	ug/L	<1.0	ND		30	
Diethyl ether (Ethyl ether)	ug/L	<4.0	ND		30	
Ethylbenzene	ug/L	<1.0	ND		30	
Hexachloro-1,3-butadiene	ug/L	<5.0	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

SAMPLE DUPLICATE: 1035819

Parameter	Units	10166527001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<1.0	ND		30	
m&p-Xylene	ug/L	<2.0	ND		30	
Methyl-tert-butyl ether	ug/L	<1.0	ND		30	
Methylene Chloride	ug/L	<4.0	ND		30	
n-Butylbenzene	ug/L	<1.0	ND		30	
n-Propylbenzene	ug/L	<1.0	ND		30	
Naphthalene	ug/L	<4.0	ND		30	
o-Xylene	ug/L	<1.0	ND		30	
p-Isopropyltoluene	ug/L	<1.0	ND		30	
sec-Butylbenzene	ug/L	<1.0	ND		30	
Styrene	ug/L	<1.0	ND		30	
tert-Butylbenzene	ug/L	<1.0	ND		30	
Tetrachloroethene	ug/L	<1.0	ND		30	
Tetrahydrofuran	ug/L	<10.0	ND		30	
Toluene	ug/L	<1.0	ND		30	
trans-1,2-Dichloroethene	ug/L	<4.0	ND		30	
trans-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Trichloroethene	ug/L	<1.0	ND		30	
Trichlorofluoromethane	ug/L	<1.0	ND		30	
Vinyl chloride	ug/L	<0.40	ND		30	
Xylene (Total)	ug/L	<3.0	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	105	2		
4-Bromofluorobenzene (S)	%	99	99	.7		
Dibromofluoromethane (S)	%	104	104	.4		
Toluene-d8 (S)	%	100	99	.08		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: WETA/17304 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 10166412001, 10166412015, 10166412016

METHOD BLANK: 861105 Matrix: Solid
Associated Lab Samples: 10166412001, 10166412015, 10166412016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.15	08/17/11 19:15	

LABORATORY CONTROL SAMPLE: 861106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3.1	3.1	99	80-120	

MATRIX SPIKE SAMPLE: 861107

Parameter	Units	10166204003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	ND	4.09	2.9	69	30-116	

SAMPLE DUPLICATE: 861108

Parameter	Units	10166204005 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/kg	0.19	ND		25	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166412

QC Batch: WETA/10927
QC Batch Method: SM 4500-CN-E
Analysis Method: SM 4500-CN-E
Analysis Description: SM4500CN-E Cyanide
Associated Lab Samples: 10166412003

METHOD BLANK: 1035735 Matrix: Water
Associated Lab Samples: 10166412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/19/11 10:41	

LABORATORY CONTROL SAMPLE: 1035736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	250	247	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035737 1035738

Parameter	Units	10166412003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	ND	250	250	196	244	77	96	80-120	22	30	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035739 1035740

Parameter	Units	10166353005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	<10.0	250	250	241	243	96	97	80-120	1	30	

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166412

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

WORKORDER QUALIFIERS

WO: 10166412

[1]	Samples in this workorder were received in the laboratory without an associated trip blank.

BATCH QUALIFIERS

Batch: MSSV/7008

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Sample exceeded the WIGRO weight requirement.
C0	Result confirmed by second analysis.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166412

ANALYTE QUALIFIERS

P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
T6	High boiling point hydrocarbons are present in the sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166412009	**GP-26-4**	EPA 3550	OEXT/16376	EPA 8082	GCSV/8488
10166412015	**GP-29-16**	EPA 3550	OEXT/16376	EPA 8082	GCSV/8488
10166412001	**GP-23-4**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412002	**GP-23-10**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412004	**GP-24-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412009	**GP-26-4**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412012	**GP-27-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412013	**GP-28-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412015	**GP-29-16**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412016	**GP-30-10**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166412001	**GP-23-4**	WI MOD DRO	OEXT/16679	WI MOD DRO	GCSV/8604
10166412003	**GP-23-11W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166412008	**GP-25-8W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166412011	**GP-26-23W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166412014	**GP-28-22W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166412018	**GP-30-19W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166412001	**GP-23-4**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412002	**GP-23-10**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412004	**GP-24-8**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412009	**GP-26-4**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412012	**GP-27-8**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412013	**GP-28-8**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412015	**GP-29-16**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412016	**GP-30-10**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166412003	**GP-23-11W**	WI MOD GRO	GCV/8298		
10166412008	**GP-25-8W**	WI MOD GRO	GCV/8298		
10166412011	**GP-26-23W**	WI MOD GRO	GCV/8298		
10166412014	**GP-28-22W**	WI MOD GRO	GCV/8298		
10166412018	**GP-30-19W**	WI MOD GRO	GCV/8298		
10166412001	**GP-23-4**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412002	**GP-23-10**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412004	**GP-24-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412006	**GP-25-6**	EPA 3050	MPRP/27798	EPA 6010	ICP/11776
10166412009	**GP-26-4**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412012	**GP-27-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412013	**GP-28-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412015	**GP-29-16**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412016	**GP-30-10**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166412013	**GP-28-8**	EPA 3010	MPRP/28156	EPA 6010	ICP/11895
10166412003	**GP-23-11W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166412008	**GP-25-8W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166412011	**GP-26-23W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166412014	**GP-28-22W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166412018	**GP-30-19W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166412003	**GP-23-11W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166412008	**GP-25-8W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166412011	**GP-26-23W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166412014	**GP-28-22W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166412018	**GP-30-19W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166412001	**GP-23-4**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412002	**GP-23-10**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412004	**GP-24-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412006	**GP-25-6**	EPA 7471	MERP/5821	EPA 7471	MERC/6624
10166412009	**GP-26-4**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412012	**GP-27-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412013	**GP-28-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412015	**GP-29-16**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412016	**GP-30-10**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166412001	**GP-23-4**	% Moisture	MPRP/27821		
10166412002	**GP-23-10**	% Moisture	MPRP/27821		
10166412004	**GP-24-8**	% Moisture	MPRP/27821		
10166412006	**GP-25-6**	% Moisture	MPRP/27821		
10166412009	**GP-26-4**	% Moisture	MPRP/27821		
10166412012	**GP-27-8**	% Moisture	MPRP/27821		
10166412013	**GP-28-8**	% Moisture	MPRP/27821		
10166412015	**GP-29-16**	% Moisture	MPRP/27821		
10166412016	**GP-30-10**	% Moisture	MPRP/27821		
10166412001	**GP-23-4**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412002	**GP-23-10**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412006	**GP-25-6**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412009	**GP-26-4**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412012	**GP-27-8**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412013	**GP-28-8**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412015	**GP-29-16**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412016	**GP-30-10**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166412003	**GP-23-11W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412007	**GP-24-13W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412008	**GP-25-8W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412011	**GP-26-23W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412014	**GP-28-22W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412018	**GP-30-19W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166412001	**GP-23-4**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412002	**GP-23-10**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412006	**GP-25-6**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412009	**GP-26-4**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412012	**GP-27-8**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412013	**GP-28-8**	EPA 5035/5030B	MSV/17664	EPA 8260	MSV/17665
10166412015	**GP-29-16**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166412016	**GP-30-10**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675
10166412003	**GP-23-11W**	EPA 8260	MSV/17666		
10166412007	**GP-24-13W**	EPA 8260	MSV/17670		
10166412008	**GP-25-8W**	EPA 8260	MSV/17670		
10166412011	**GP-26-23W**	EPA 8260	MSV/17680		
10166412014	**GP-28-22W**	EPA 8260	MSV/17680		
10166412018	**GP-30-19W**	EPA 8260	MSV/17680		
10166412001	**GP-23-4**	SM 4500-CN-E	WETA/17304		
10166412015	**GP-29-16**	SM 4500-CN-E	WETA/17304		
10166412016	**GP-30-10**	SM 4500-CN-E	WETA/17304		
10166412003	**GP-23-11W**	SM 4500-CN-E	WETA/10927		

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Report Date: 19-Aug-2011 13:34

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PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081911b-1.b\G1-23110.d
Lab Smp Id: 10166412002
Inj Date : 19-AUG-2011 12:42
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412002
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081911b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 13:27 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.623	5.630	(0.642)	38181	19.9222	0.996
	4 Toluene	7.133	7.123	(0.815)	350	0.14517	0.00726(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	87187	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.573	9.563	(1.093)	193	0.06790	0.00339(a)
	8 o-Xylene	10.116	10.106	(1.155)	144	0.05548	0.00277(a)
	10 1,3,5-Trimethylbenzene	11.216	11.213	(1.281)	222	0.05806	0.00290(a)
	11 1,2,4-Trimethylbenzene	11.573	11.563	(1.322)	300	0.09789	0.00489(a)
	12 Naphthalene	13.583	13.583	(1.551)	396	1.54714	0.0774

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081911b-1.b/G1-23110.d

Report Date: 08/19/2011

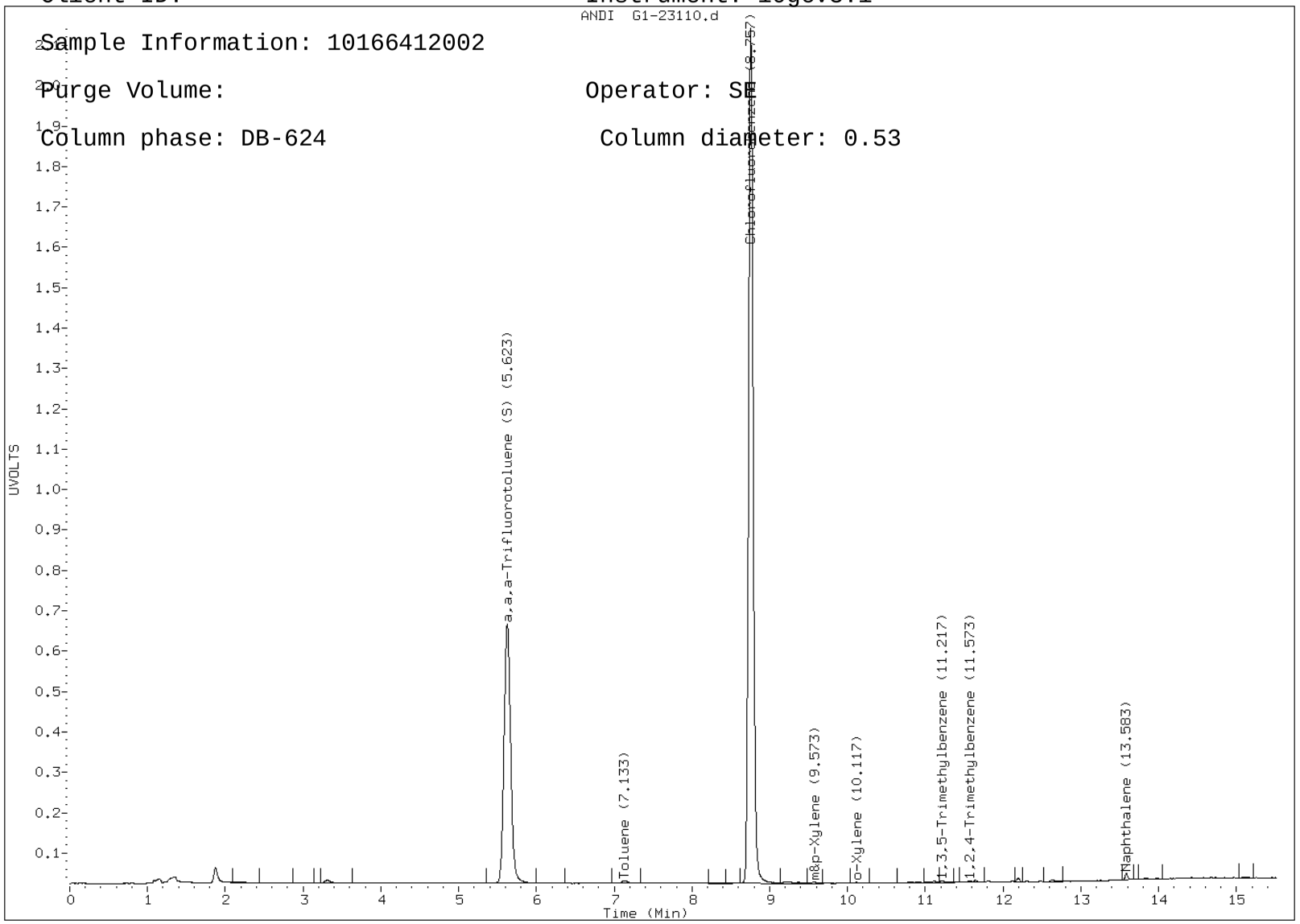
Sample ID: 10166412002

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412002

Purge Volume: Operator: SR

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 13:34

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WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081911b-2.b\G1-23110.d
Lab Smp Id: 10166412002
Inj Date : 19-AUG-2011 12:42
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412002
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081911b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 13:27 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

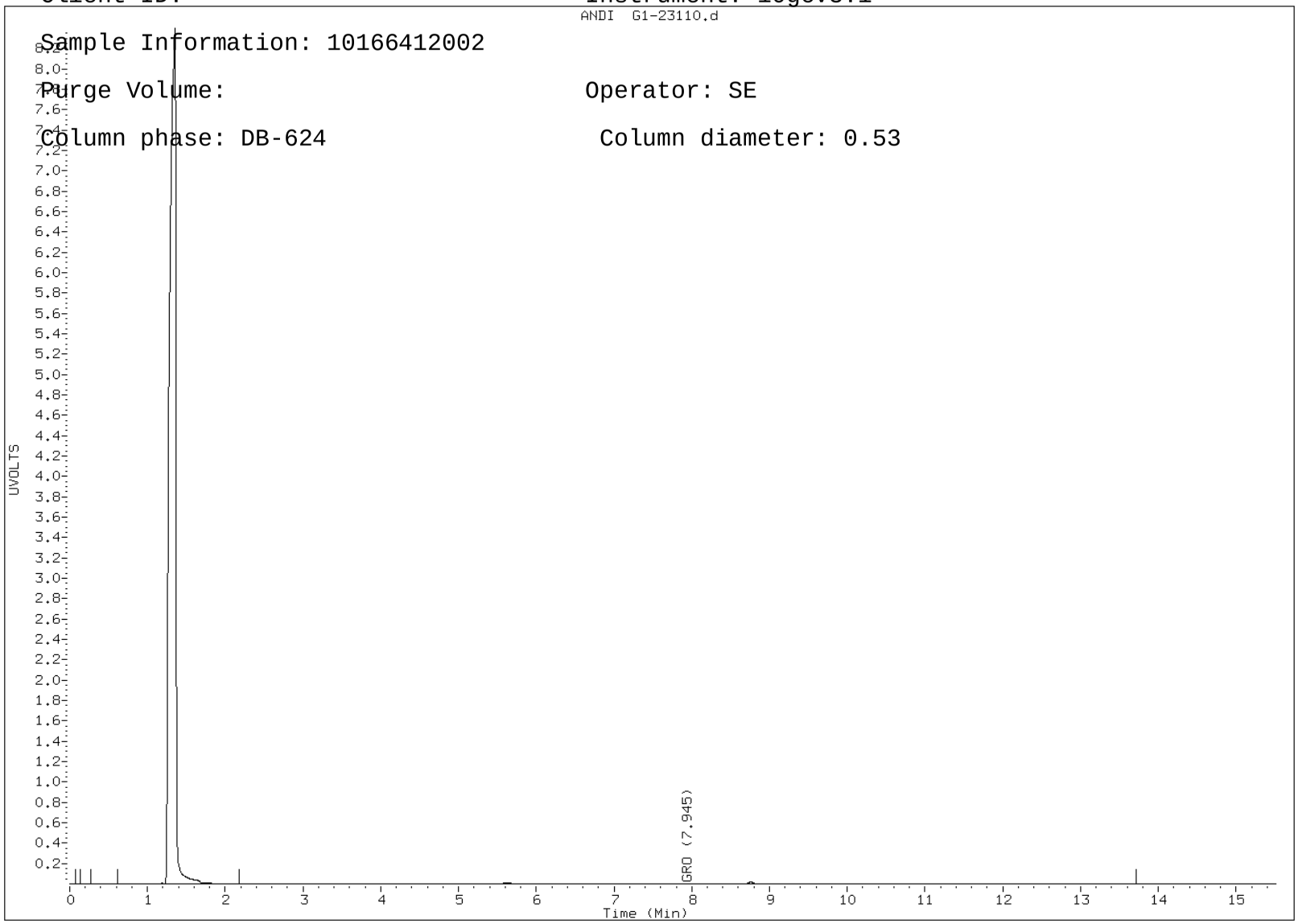
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081911b-2.b/G1-23110.d

Report Date: 08/19/2011

Sample ID: 10166412002

Client ID: Instrument: 10gcv3.i



Sample Information: 10166412002

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 18-Aug-2011 09:27

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0053.D
Lab Smp Id: 10166412016
Inj Date : 17-AUG-2011 21:21
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412016
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/kg)
S 2 DRO	1.370	-2.650		33843560		237.146	9.48(a)
$ 5 n-Triacontane (S)	2.720	2.720	0.000	7451559		80.2320	3.21(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0053.D

Report Date: 08/18/2011

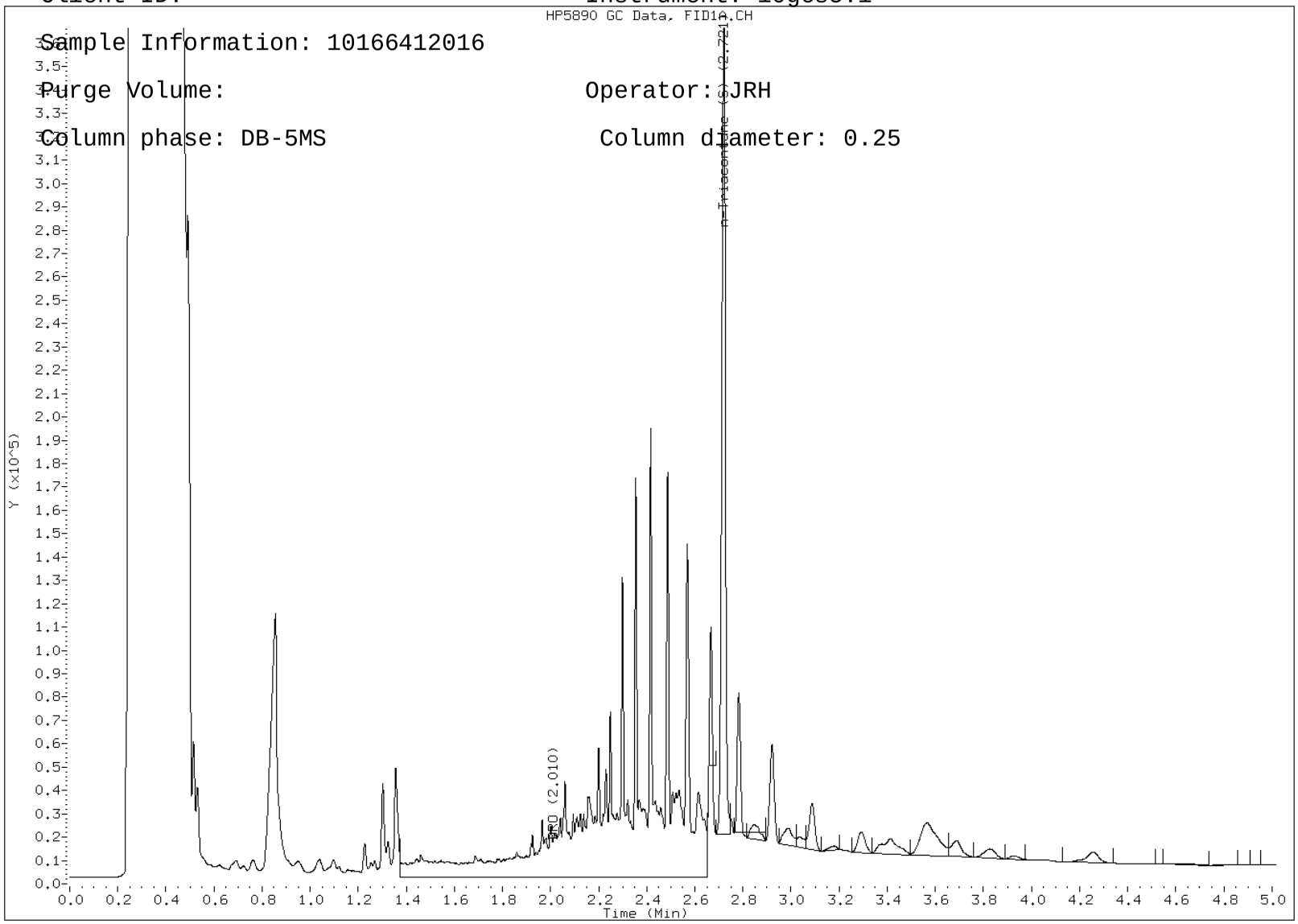
Sample ID: 10166412016

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412016

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:28

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0056.D
Lab Smp Id: 10166412001
Inj Date : 17-AUG-2011 21:44
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412001
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	2 DRO	1.370	-2.650		95624901	712.307	28.5
$	5 n-Triacontane (S)	2.723	2.720	0.003	8864774	95.6274	3.82(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0056.D

Report Date: 08/18/2011

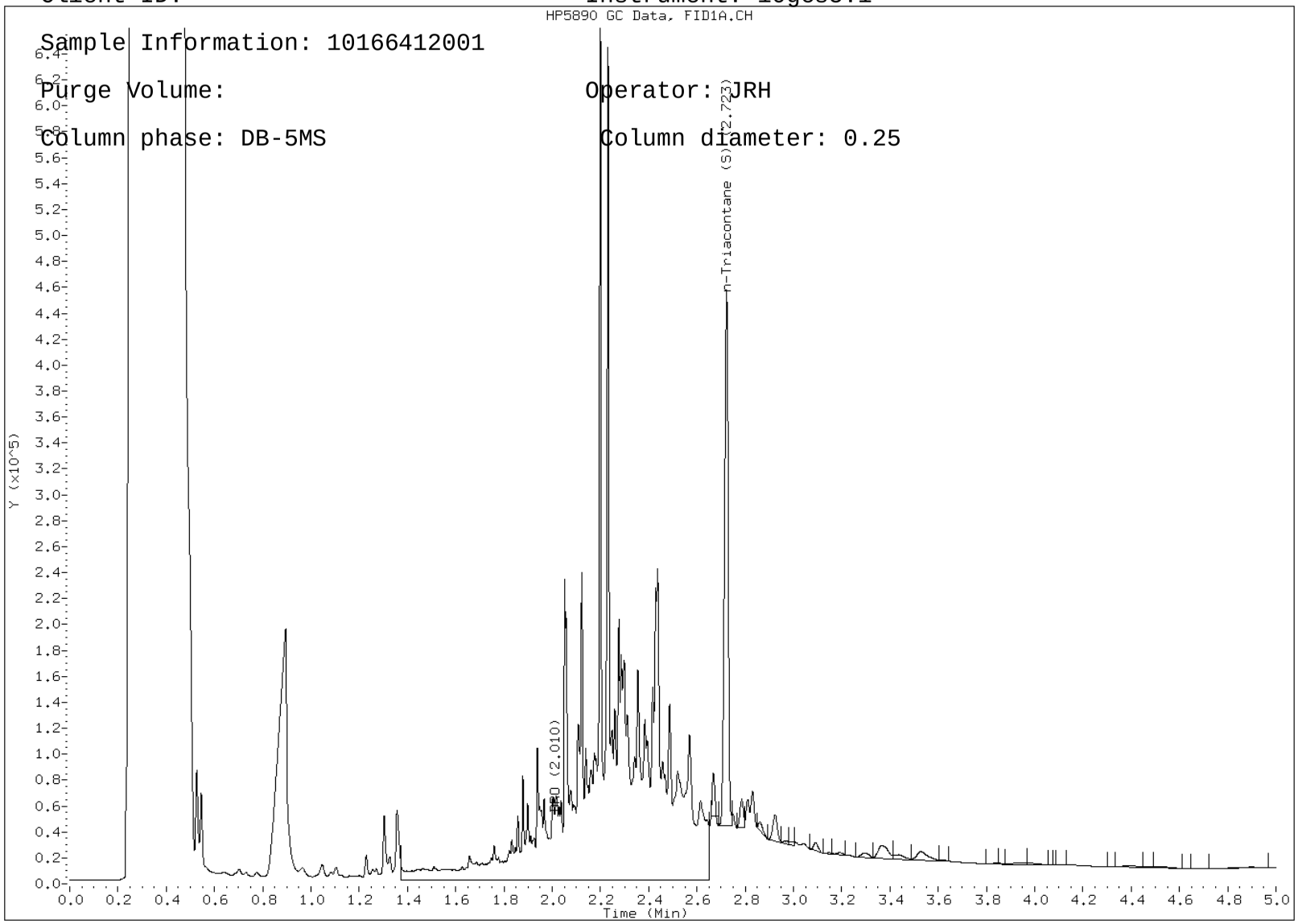
Sample ID: 10166412001

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412001

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:35

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0048.D
Lab Smp Id: 10166412012
Inj Date : 17-AUG-2011 20:43
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412012
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)	
S 2 DRO	1.370	-2.650		11078511	62.0592	2.48(a)	
$ 5 n-Triacontane (S)	2.718	2.720	-0.002	7395283	79.6189	3.18(aM)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0048.D

Report Date: 08/18/2011

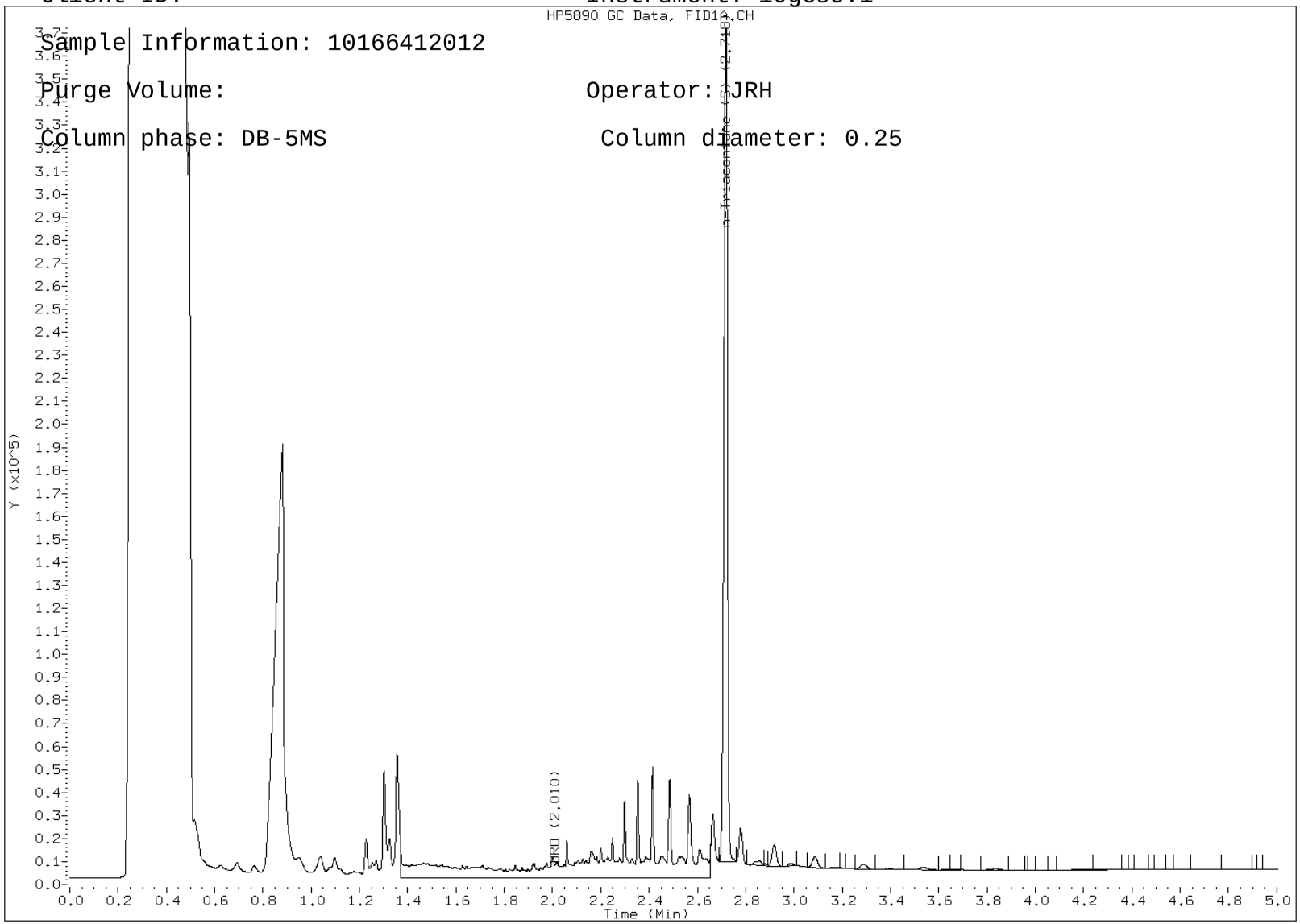
Sample ID: 10166412012

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412012

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:26

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0052.D
Lab Smp Id: 10166412013
Inj Date : 17-AUG-2011 21:13
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412013
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	2 DRO	1.370	-2.650		74433999	549.328	22.0
$	5 n-Triacontane (S)	2.721	2.720	0.001	9765500	105.440	4.22(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0052.D

Report Date: 08/18/2011

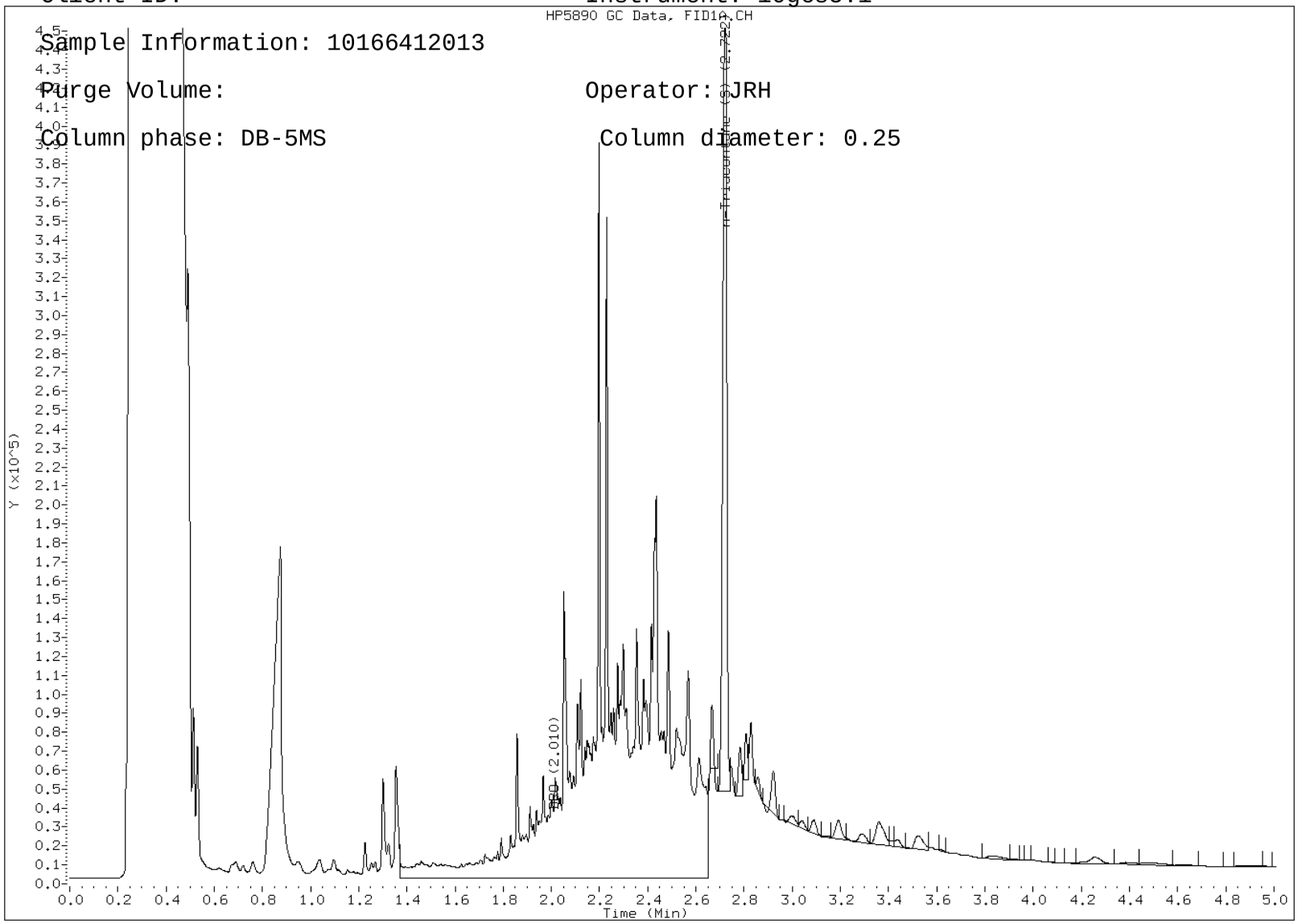
Sample ID: 10166412013

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412013

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:35

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0051.D
Lab Smp Id: 10166412004
Inj Date : 17-AUG-2011 21:06
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412004
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)	
S 2 DRO	1.370	-2.650		11560964	65.7697	2.63(a)	
$ 5 n-Triacontane (S)	2.718	2.720	-0.002	5896153	63.2875	2.53(aM)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0051.D

Report Date: 08/18/2011

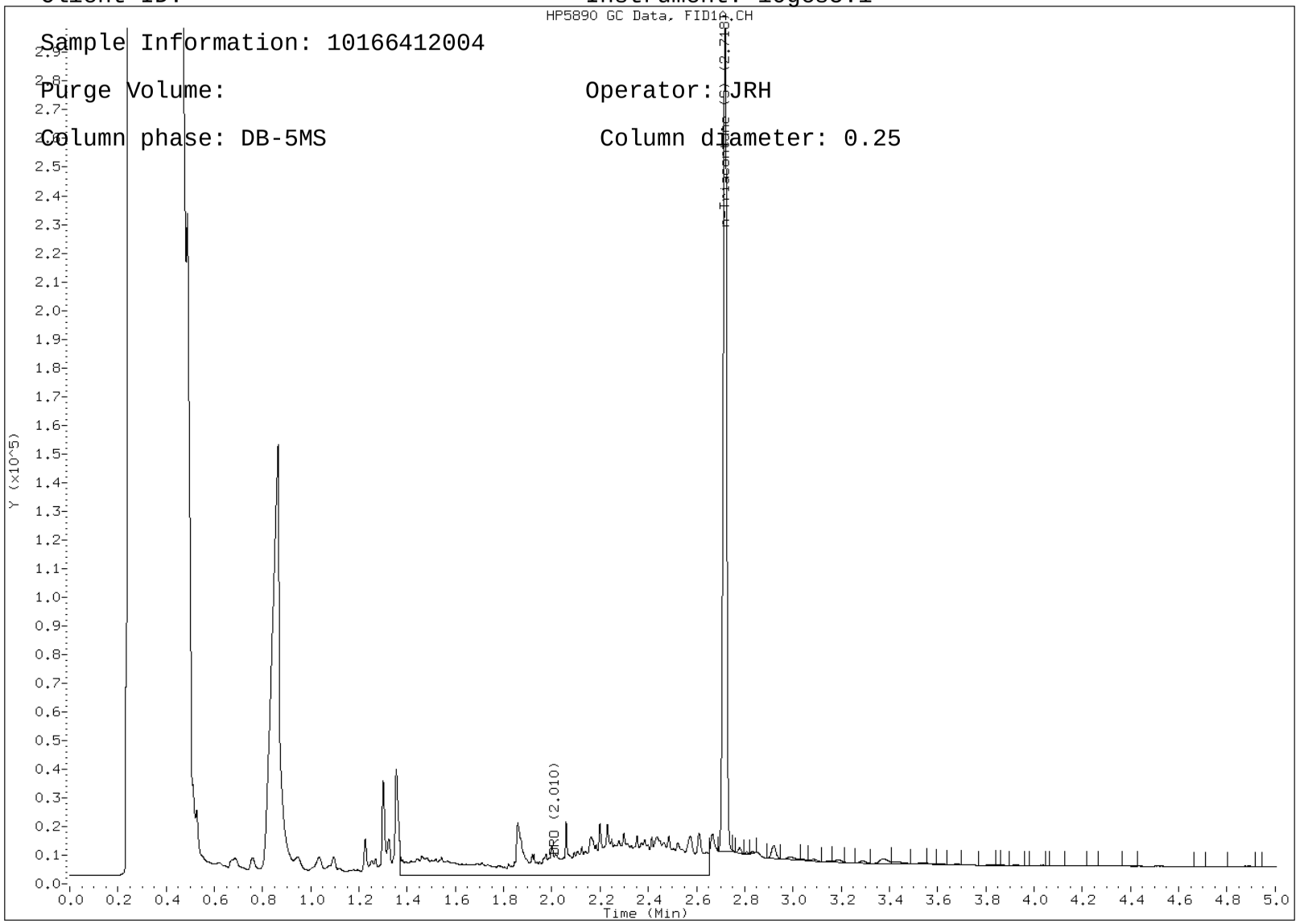
Sample ID: 10166412004

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412004

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:23

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0044.D
Lab Smp Id: 10166412002
Inj Date : 17-AUG-2011 20:12
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412002
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/kg)
S 2 DRO	1.370	-2.650		10342942		56.4019	2.26(a)
$ 5 n-Triacontane (S)	2.721	2.720	0.001	8509480		91.7569	3.67(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0044.D

Report Date: 08/18/2011

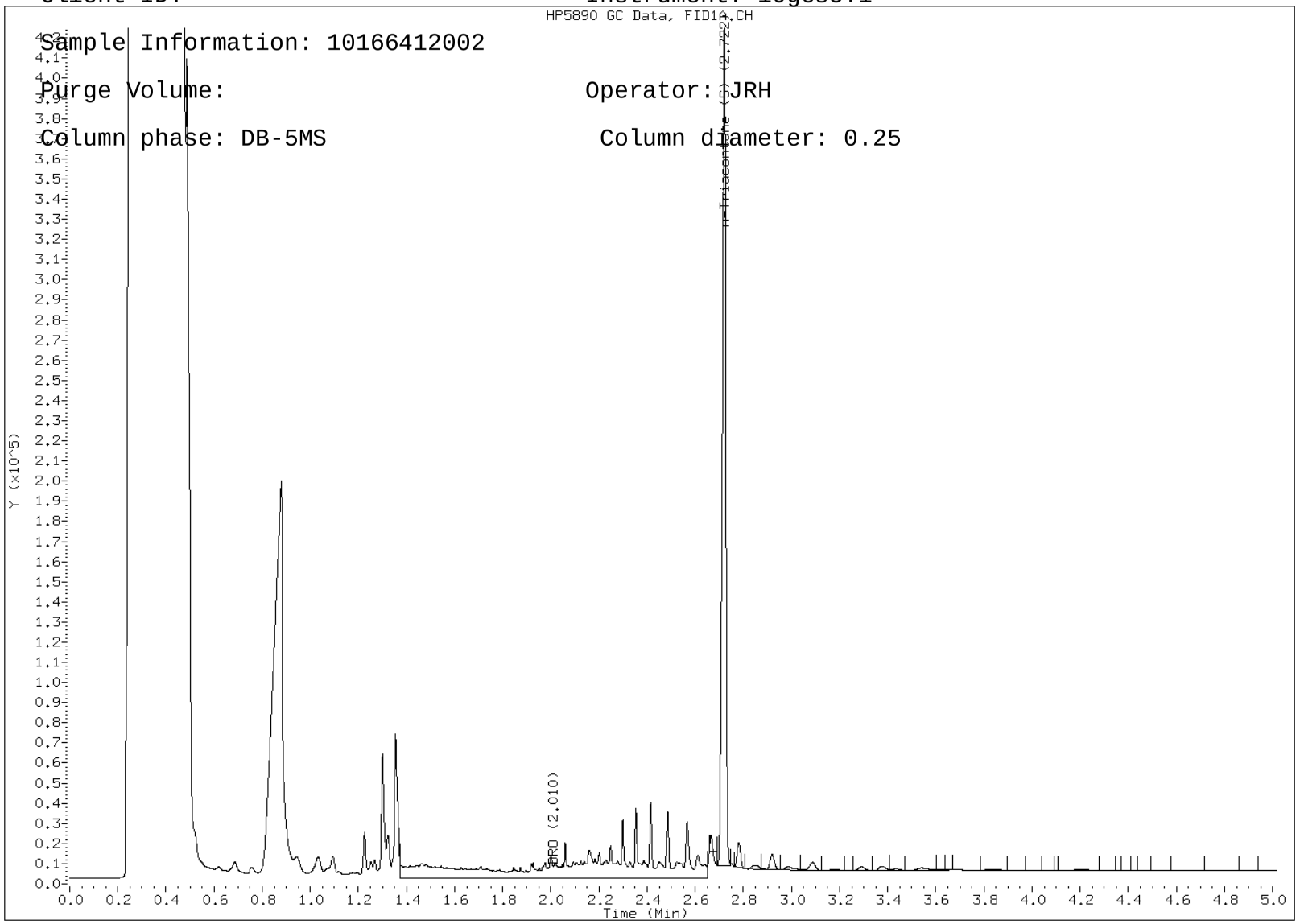
Sample ID: 10166412002

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412002

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0045.D
Lab Smp Id: 10166412009
Inj Date : 17-AUG-2011 20:19
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412009
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/kg)
S 2 DRO	1.370	-2.650		9577077		50.5116	2.02(a)
$ 5 n-Triacontane (S)	2.720	2.720	0.000	7912701		85.2556	3.41(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0045.D

Report Date: 08/18/2011

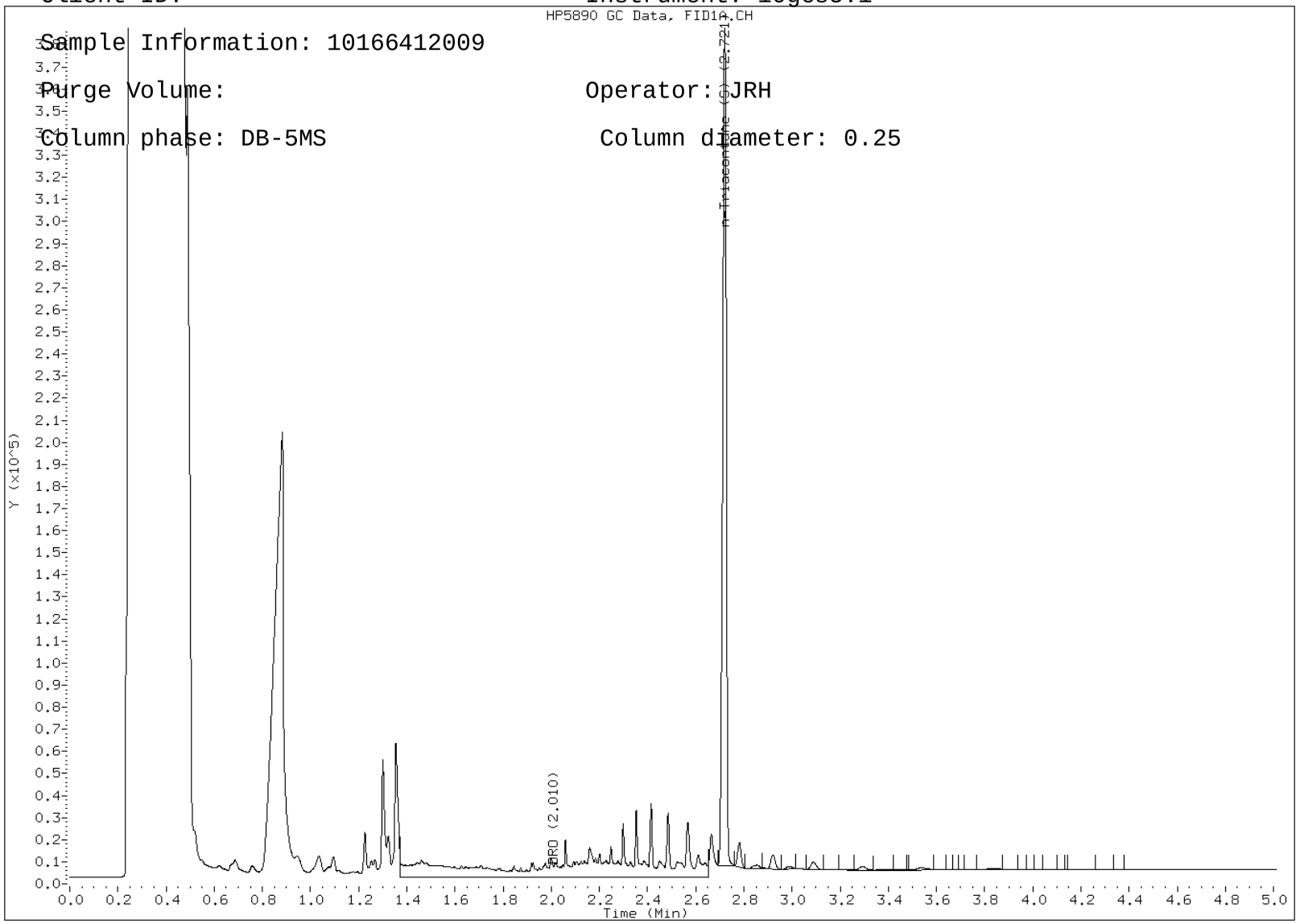
Sample ID: 10166412009

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412009

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:36

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0046.D
Lab Smp Id: 10166412015
Inj Date : 17-AUG-2011 20:27
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412015
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ug/mL)	(mg/kg)
S 2 DRO	1.370	-2.650		15164591		93.4853	3.74(a)
$ 5 n-Triacontane (S)	2.721	2.720	0.001	8088950		87.1757	3.49(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0046.D

Report Date: 08/18/2011

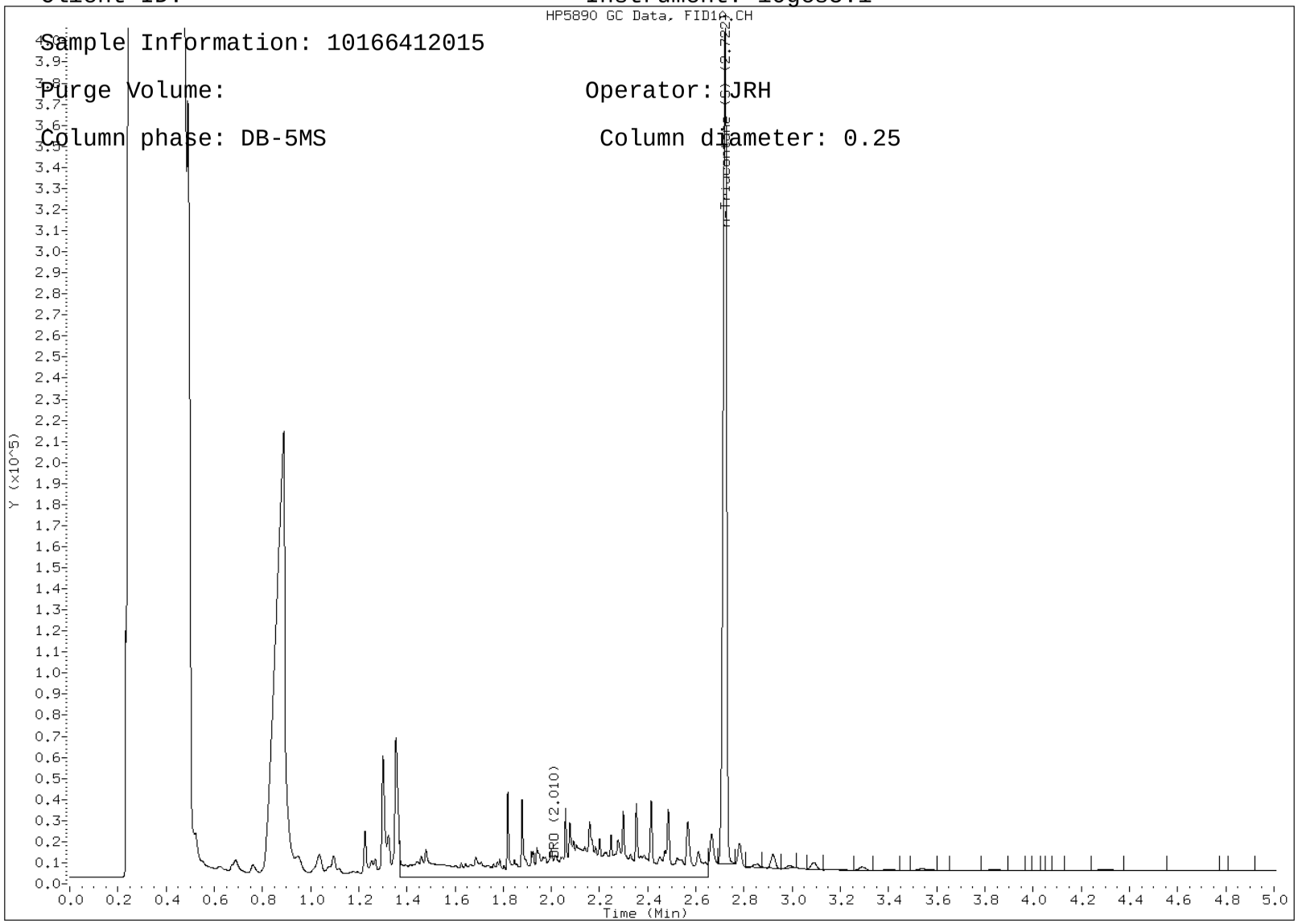
Sample ID: 10166412015

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412015

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0013.D
Lab Smp Id: 10166412003
Inj Date : 19-AUG-2011 10:47
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412003
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		31717370	220.793	0.221
$	5 n-Triacontane (S)	2.715	2.720	-0.005	4188374	44.6830	0.0447(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0013.D

Report Date: 08/19/2011

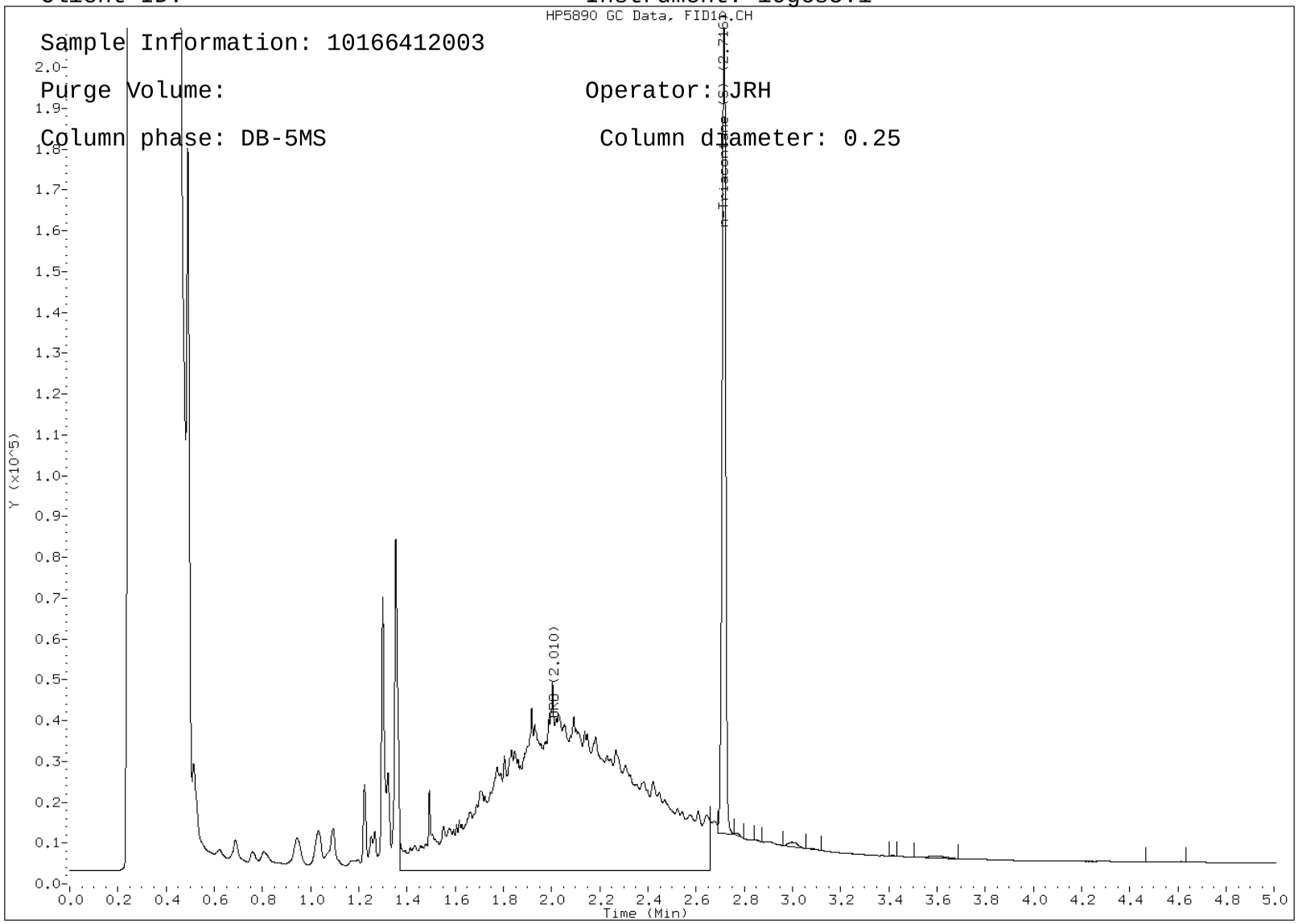
Sample ID: 10166412003

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412003

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0008.D
Lab Smp Id: 10166412011
Inj Date : 19-AUG-2011 10:09
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412011
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		27688481	189.807	0.190
$	5 n-Triacontane (S)	2.715	2.720	-0.005	3260247	34.5721	0.0346(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0008.D

Report Date: 08/19/2011

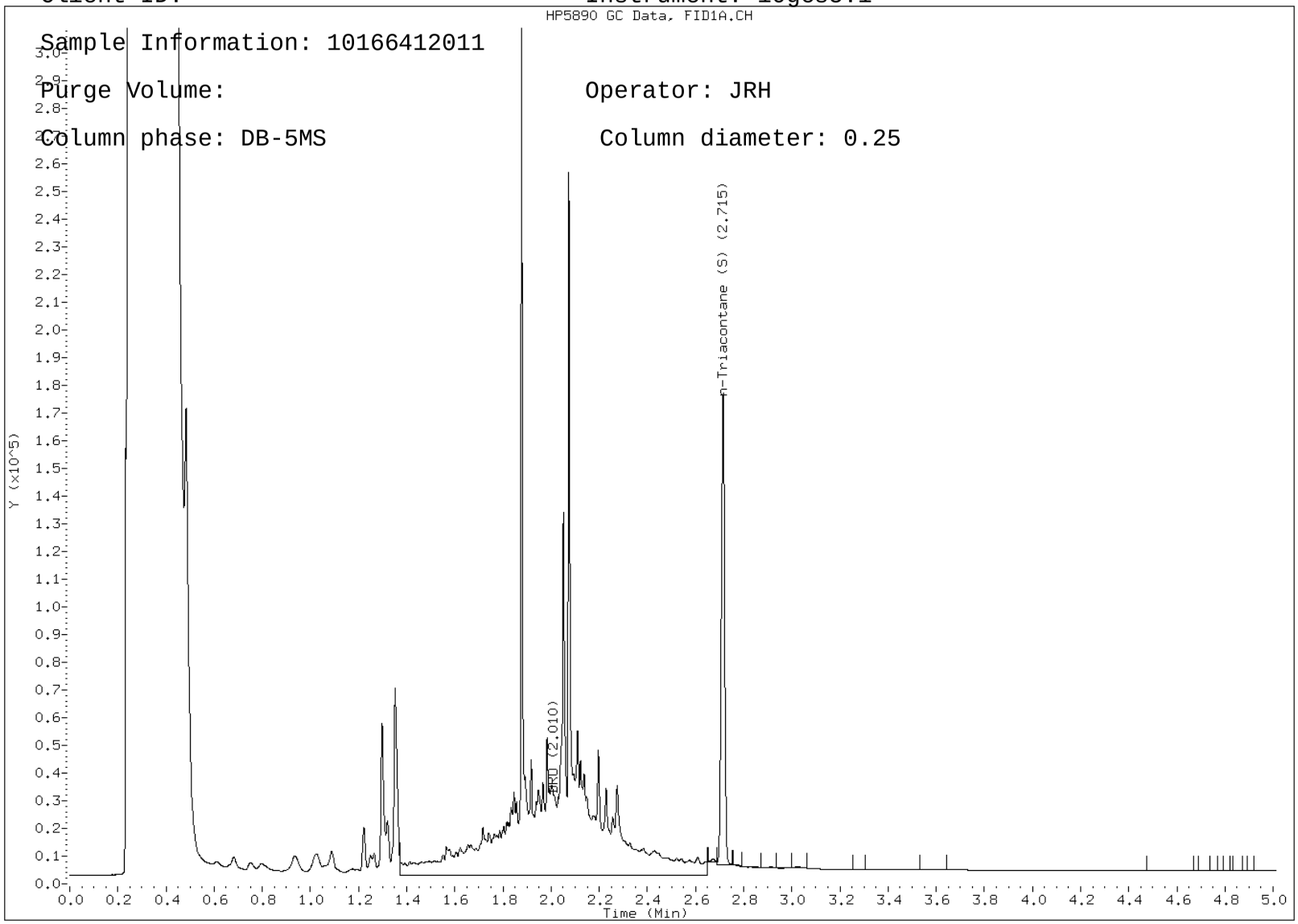
Sample ID: 10166412011

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412011

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



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WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0007.D
Lab Smp Id: 10166412008
Inj Date : 19-AUG-2011 10:01
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412008
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		8126165	39.3526	0.0394
$	5 n-Triacontane (S)	2.715	2.720	-0.005	3286623	34.8594	0.0348(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0007.D

Report Date: 08/19/2011

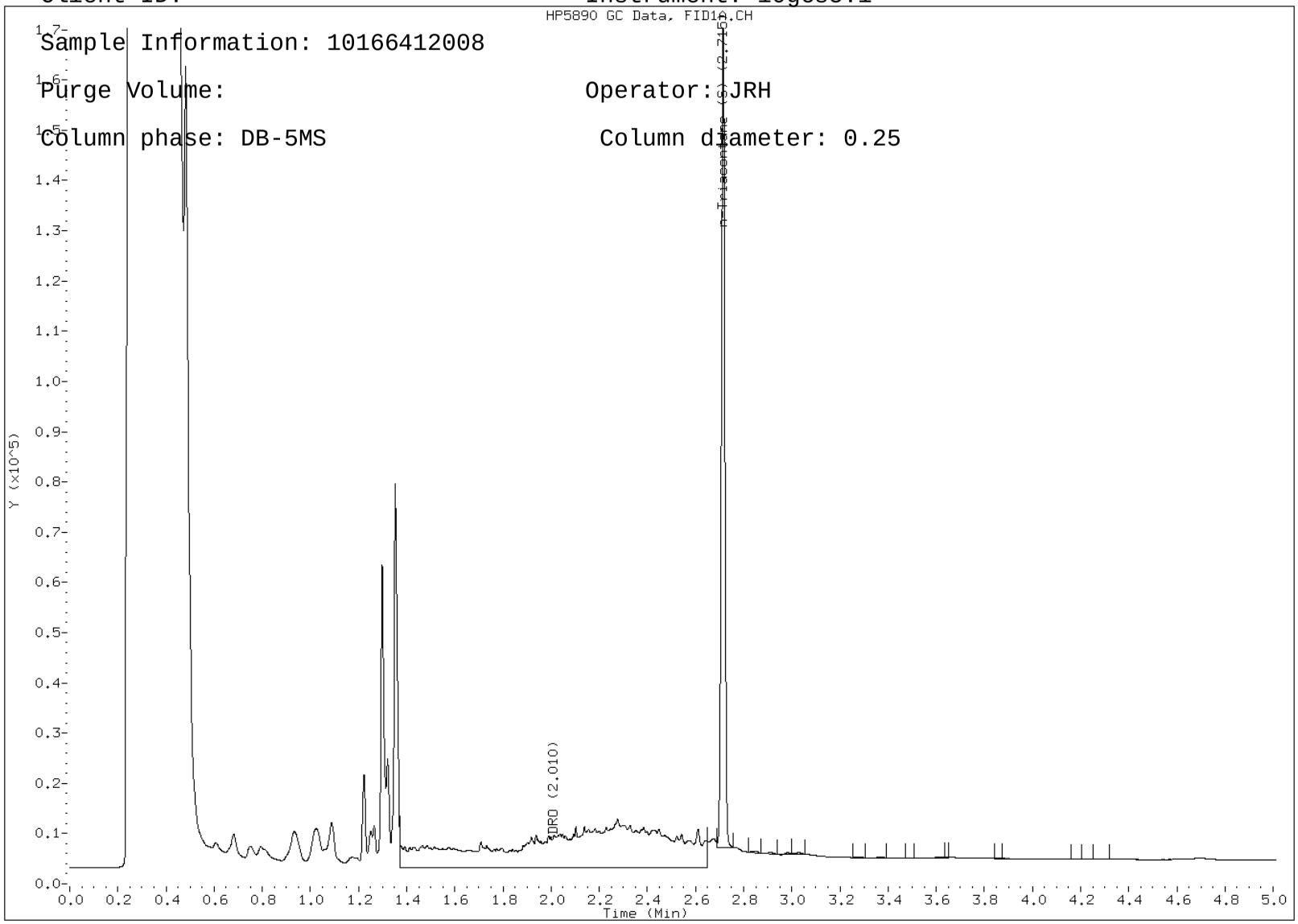
Sample ID: 10166412008

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412008

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0010.D
Lab Smp Id: 10166412018
Inj Date : 19-AUG-2011 10:24
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412018
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		16463529	103.475	0.103
$	5 n-Triacontane (S)	2.714	2.720	-0.006	3225109	34.1893	0.0342(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0010.D

Report Date: 08/19/2011

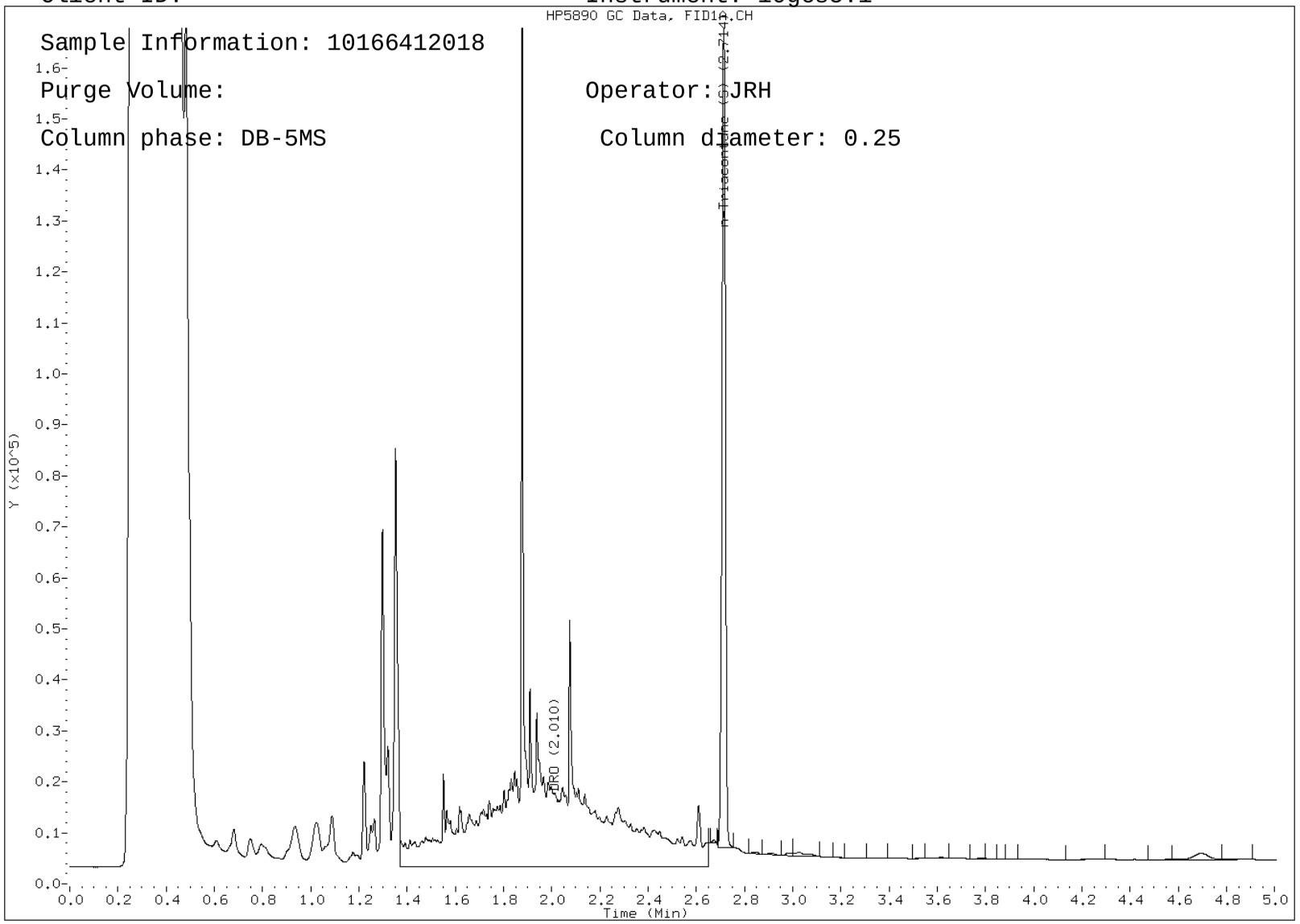
Sample ID: 10166412018

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412018

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0009.D
Lab Smp Id: 10166412014
Inj Date : 19-AUG-2011 10:17
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166412014
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		10368702	56.6000	0.0566
$	5 n-Triacontane (S)	2.715	2.720	-0.005	3373159	35.8021	0.0358(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0009.D

Report Date: 08/19/2011

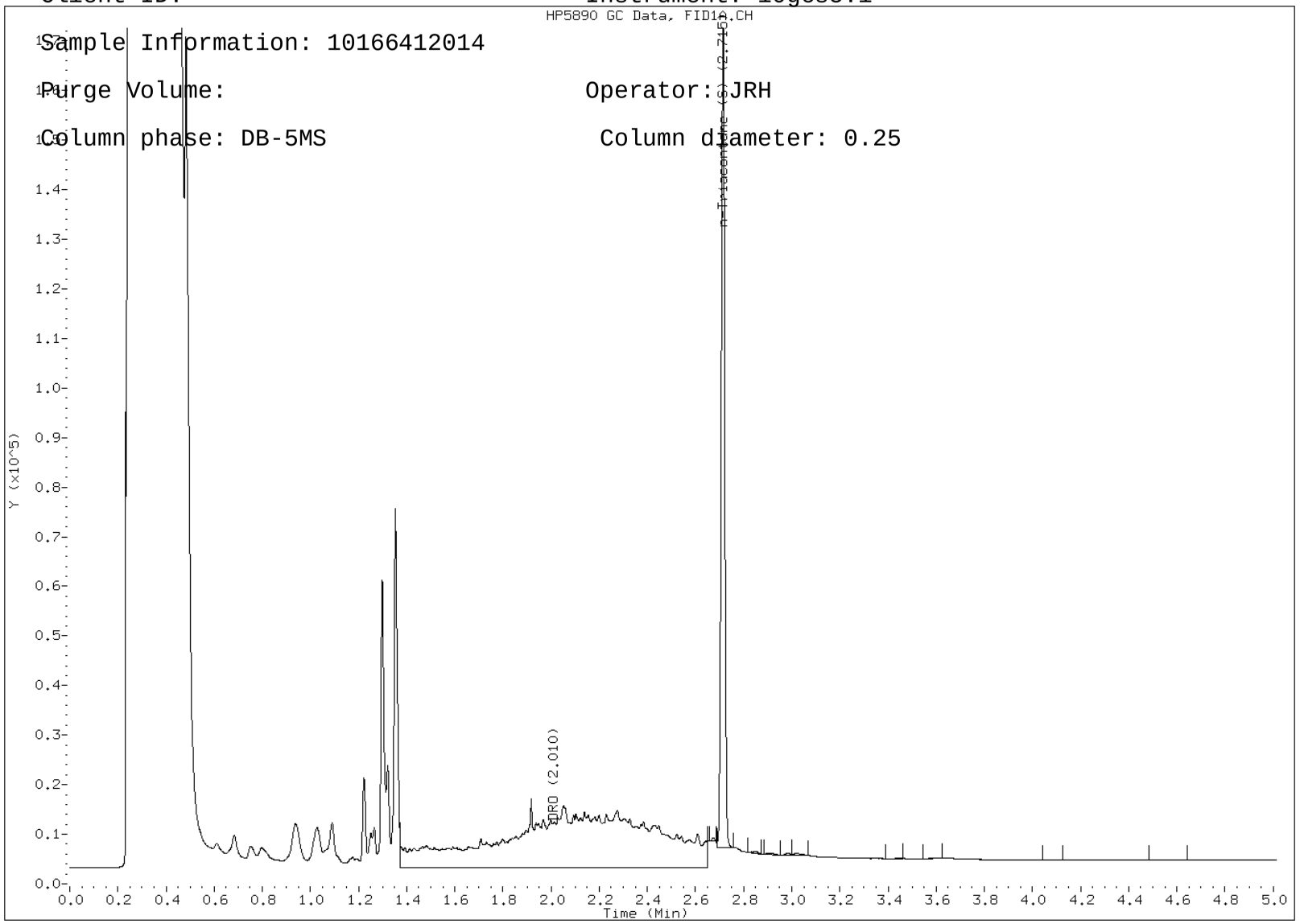
Sample ID: 10166412014

Client ID: Instrument: 10gcs5.i

Sample Information: 10166412014

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23033.d
Lab Smp Id: 10166412016
Inj Date : 18-AUG-2011 23:21
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412016
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23033.d

Report Date: 08/19/2011

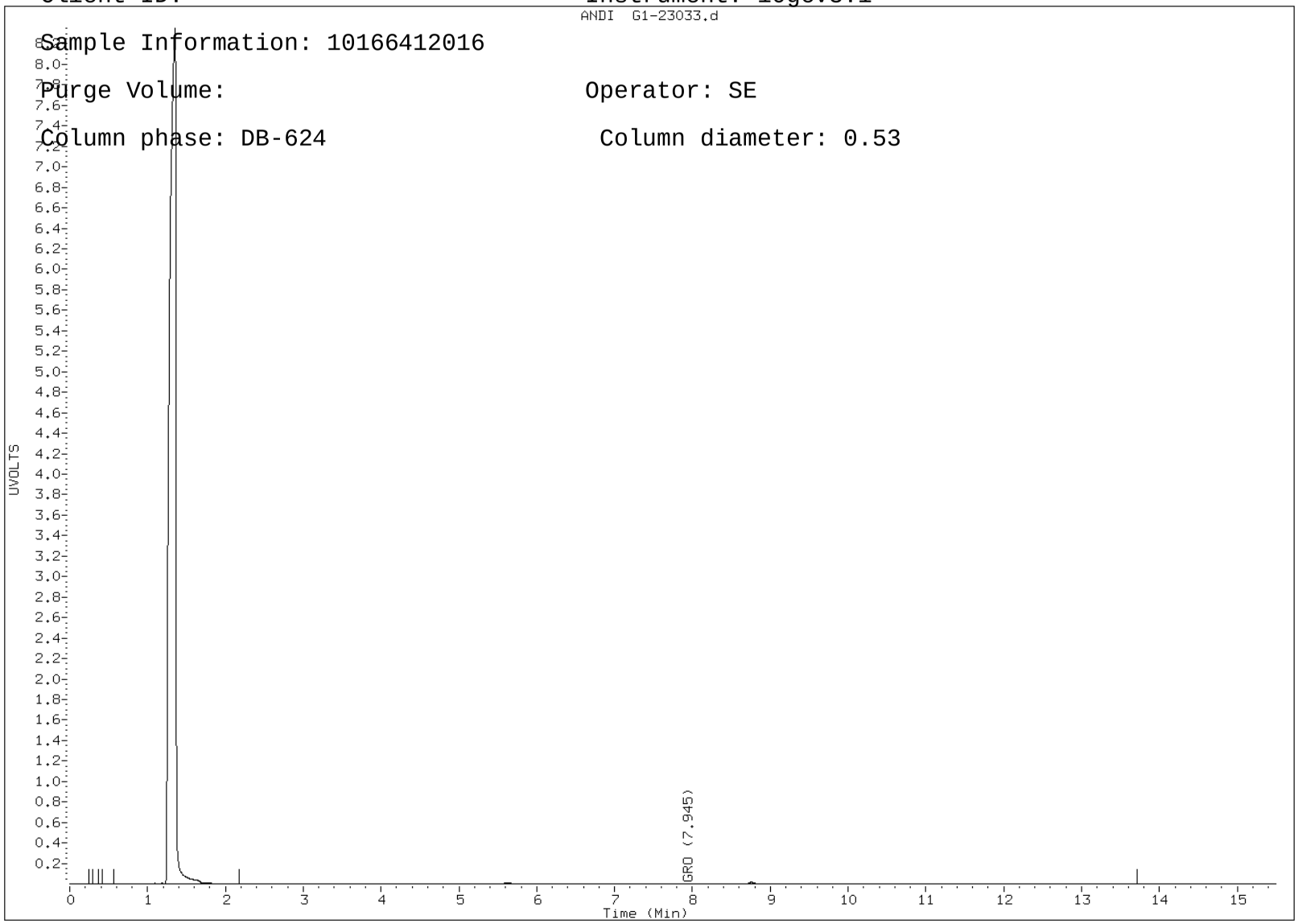
Sample ID: 10166412016

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412016

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23032.d
Lab Smp Id: 10166412015
Inj Date : 18-AUG-2011 23:00
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412015
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23032.d

Report Date: 08/19/2011

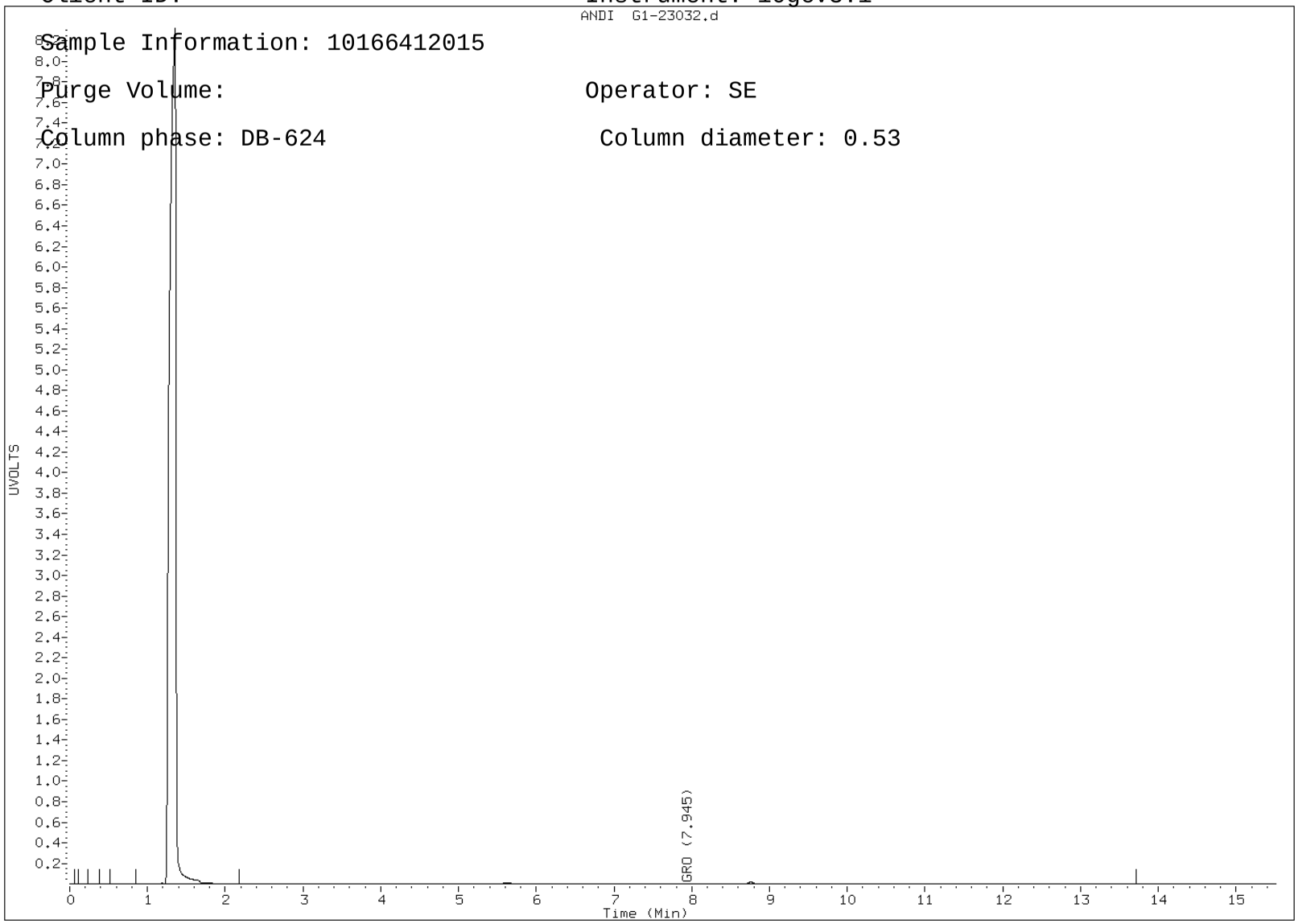
Sample ID: 10166412015

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412015

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23026.d
Lab Smp Id: 10166412001
Inj Date : 18-AUG-2011 20:49
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412001
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23026.d

Report Date: 08/19/2011

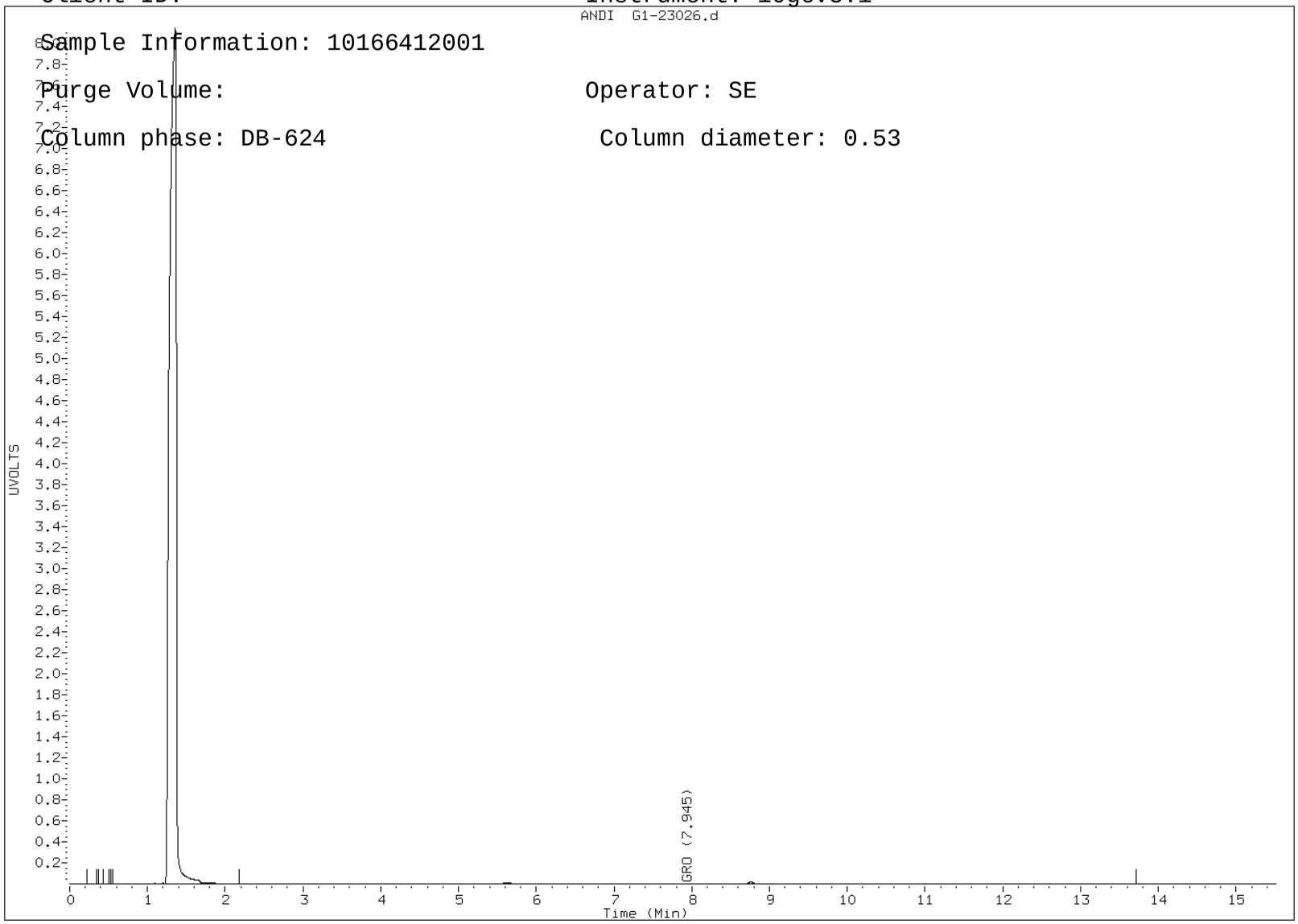
Sample ID: 10166412001

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412001

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23028.d
Lab Smp Id: 10166412004
Inj Date : 18-AUG-2011 21:33
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412004
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23028.d

Report Date: 08/19/2011

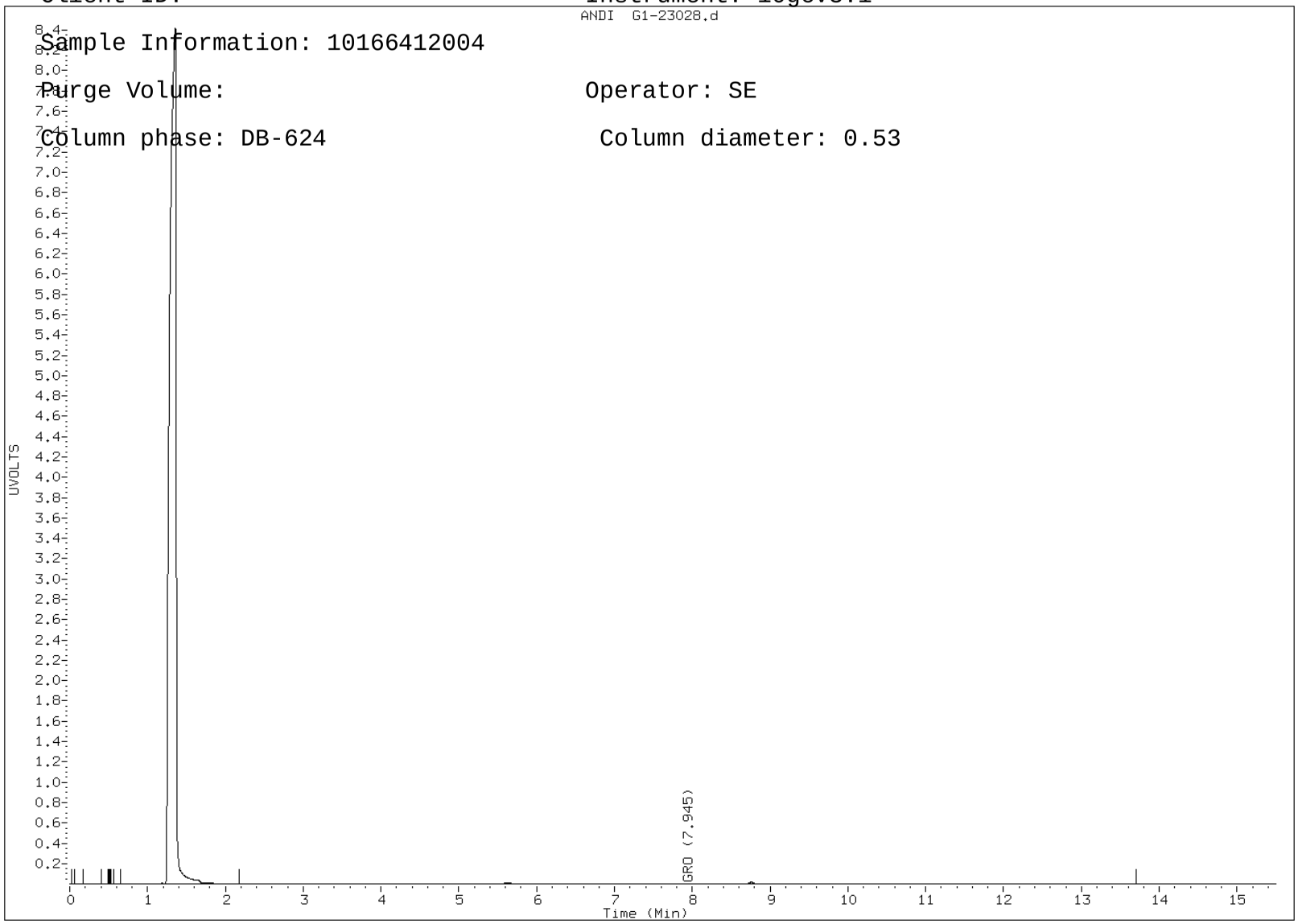
Sample ID: 10166412004

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412004

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23029.d
Lab Smp Id: 10166412009
Inj Date : 18-AUG-2011 21:54
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412009
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

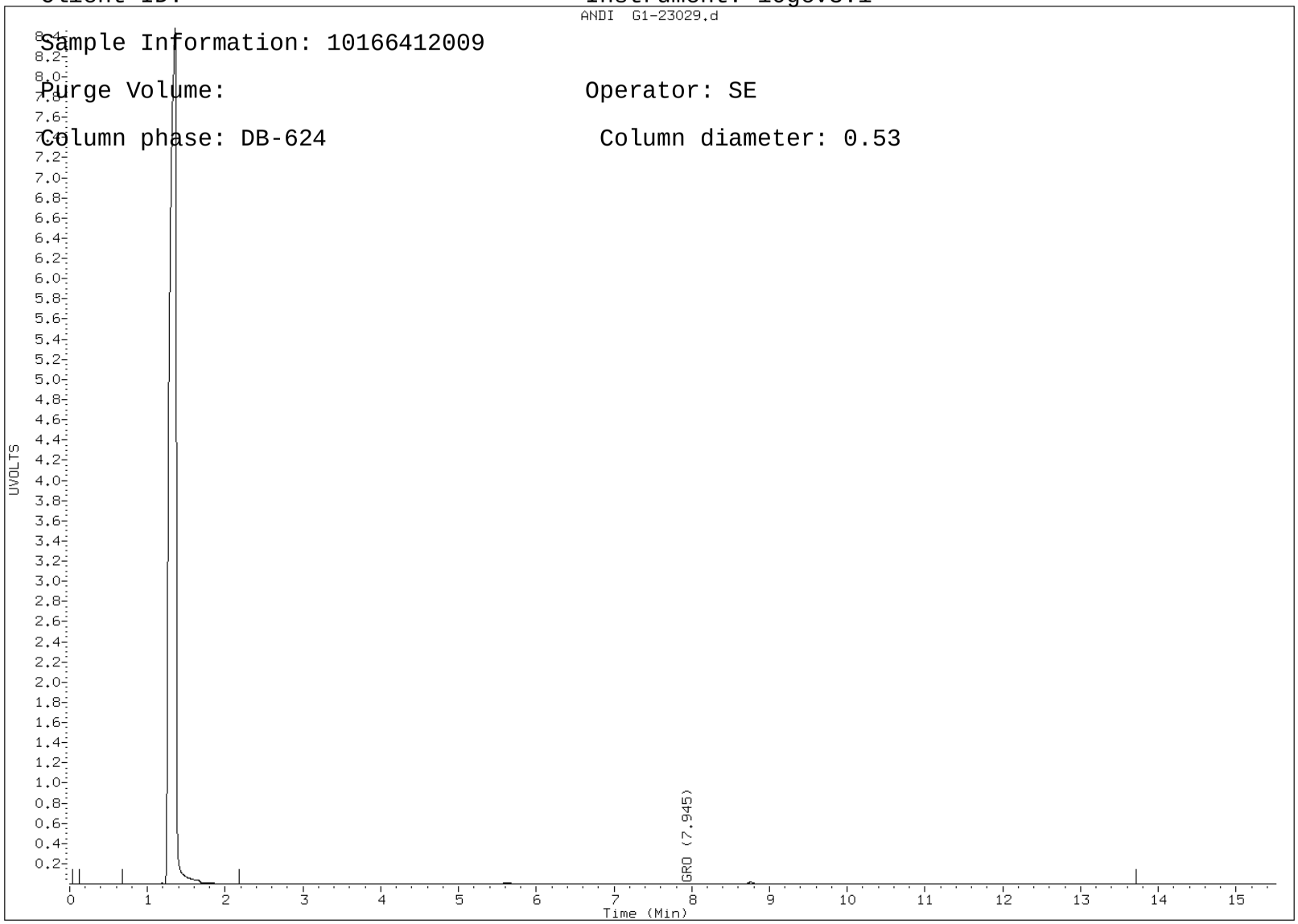
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23029.d

Report Date: 08/19/2011

Sample ID: 10166412009

Client ID: Instrument: 10gcv3.i



Sample Information: 10166412009

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23030.d
Lab Smp Id: 10166412012
Inj Date : 18-AUG-2011 22:16
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412012
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

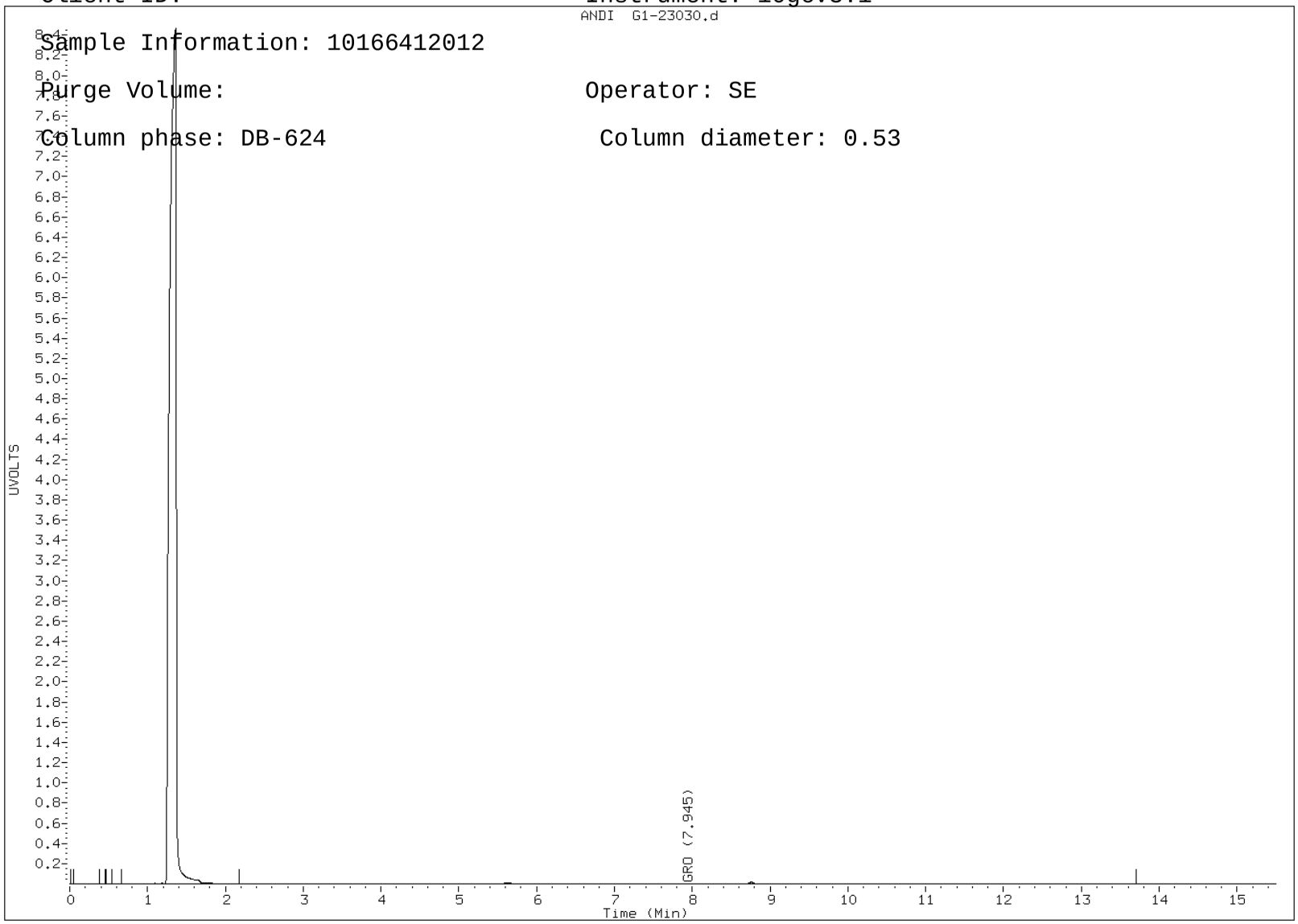
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23030.d

Report Date: 08/19/2011

Sample ID: 10166412012

Client ID: Instrument: 10gcv3.i



Sample Information: 10166412012

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53

Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23031.d
Lab Smp Id: 10166412013
Inj Date : 18-AUG-2011 22:38
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412013
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23031.d

Report Date: 08/19/2011

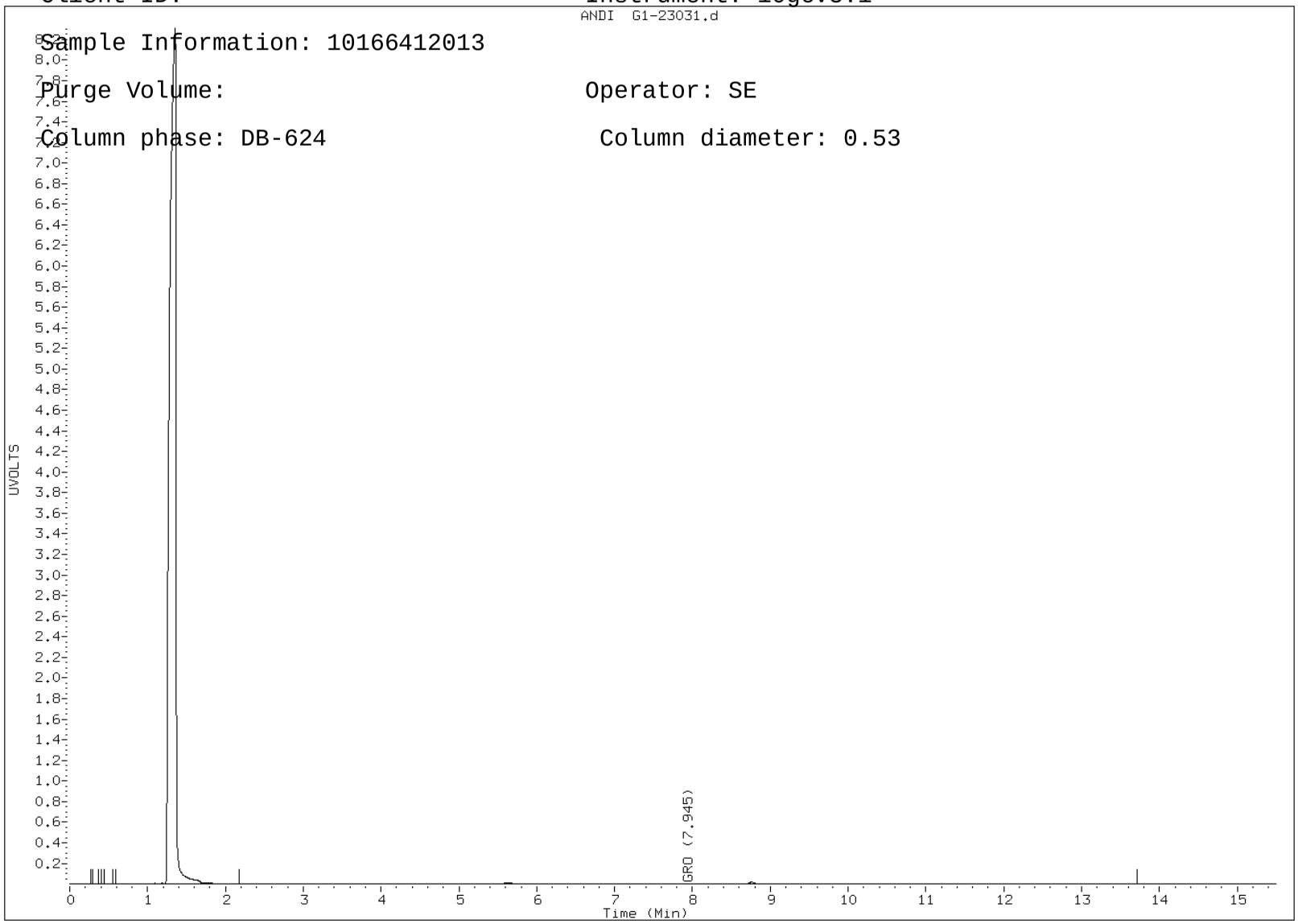
Sample ID: 10166412013

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412013

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23031.d
Lab Smp Id: 10166412013
Inj Date : 18-AUG-2011 22:38
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412013
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.290	4.270	(0.490)	192	0.09947	0.00497(a)
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	34653	20.1240	1.01
	4 Toluene	7.133	7.123	(0.815)	528	0.24373	0.0122(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	78337	20.0000	
	6 Ethylbenzene	9.386	9.383	(1.072)	235	0.10658	0.00533(a)
	7 m&p-Xylene	9.573	9.563	(1.093)	427	0.16719	0.00836(a)
	8 o-Xylene	10.120	10.106	(1.156)	412	0.17665	0.00883(a)
	10 1,3,5-Trimethylbenzene	11.220	11.213	(1.281)	205	0.05967	0.00298(a)
	11 1,2,4-Trimethylbenzene	11.570	11.563	(1.321)	339	0.12311	0.00616(a)
	12 Naphthalene	13.600	13.566	(1.553)	770	1.74774	0.0874

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23031.d

Report Date: 08/19/2011

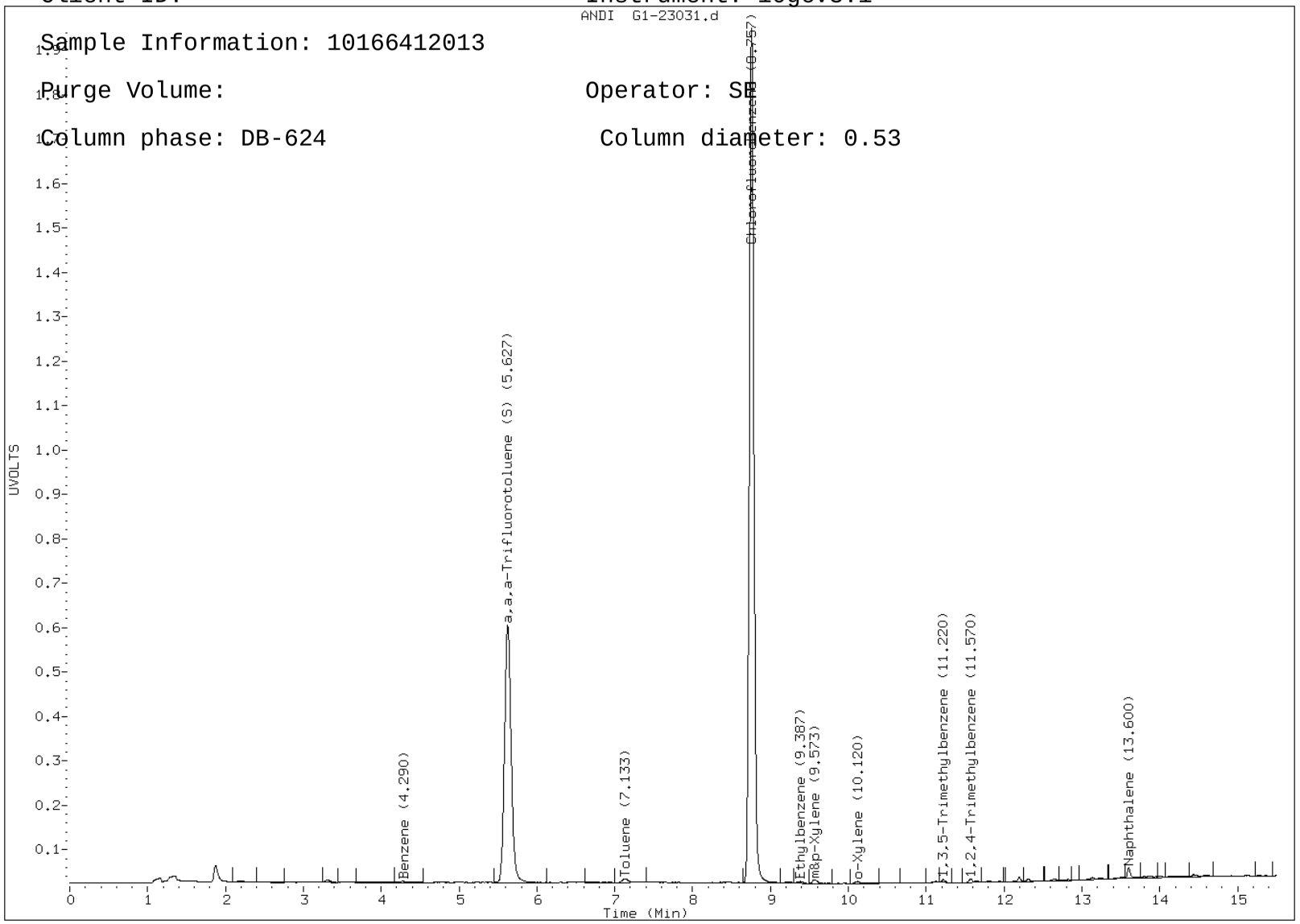
Sample ID: 10166412013

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412013

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23030.d
Lab Smp Id: 10166412012
Inj Date : 18-AUG-2011 22:16
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412012
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.306	4.270	(0.492)	125	0.06423	0.00321(a)
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	34695	19.9836	0.999
	4 Toluene	7.136	7.123	(0.815)	479	0.21931	0.0110(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	78983	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.573	9.563	(1.093)	643	0.24970	0.0125(a)
	8 o-Xylene	10.130	10.106	(1.157)	169	0.07187	0.00359(a)
	10 1,3,5-Trimethylbenzene	11.223	11.213	(1.282)	176	0.05081	0.00254(a)
	11 1,2,4-Trimethylbenzene	11.573	11.563	(1.322)	300	0.10806	0.00540(a)
	12 Naphthalene	13.613	13.566	(1.555)	417	1.57512	0.0788

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23030.d

Report Date: 08/19/2011

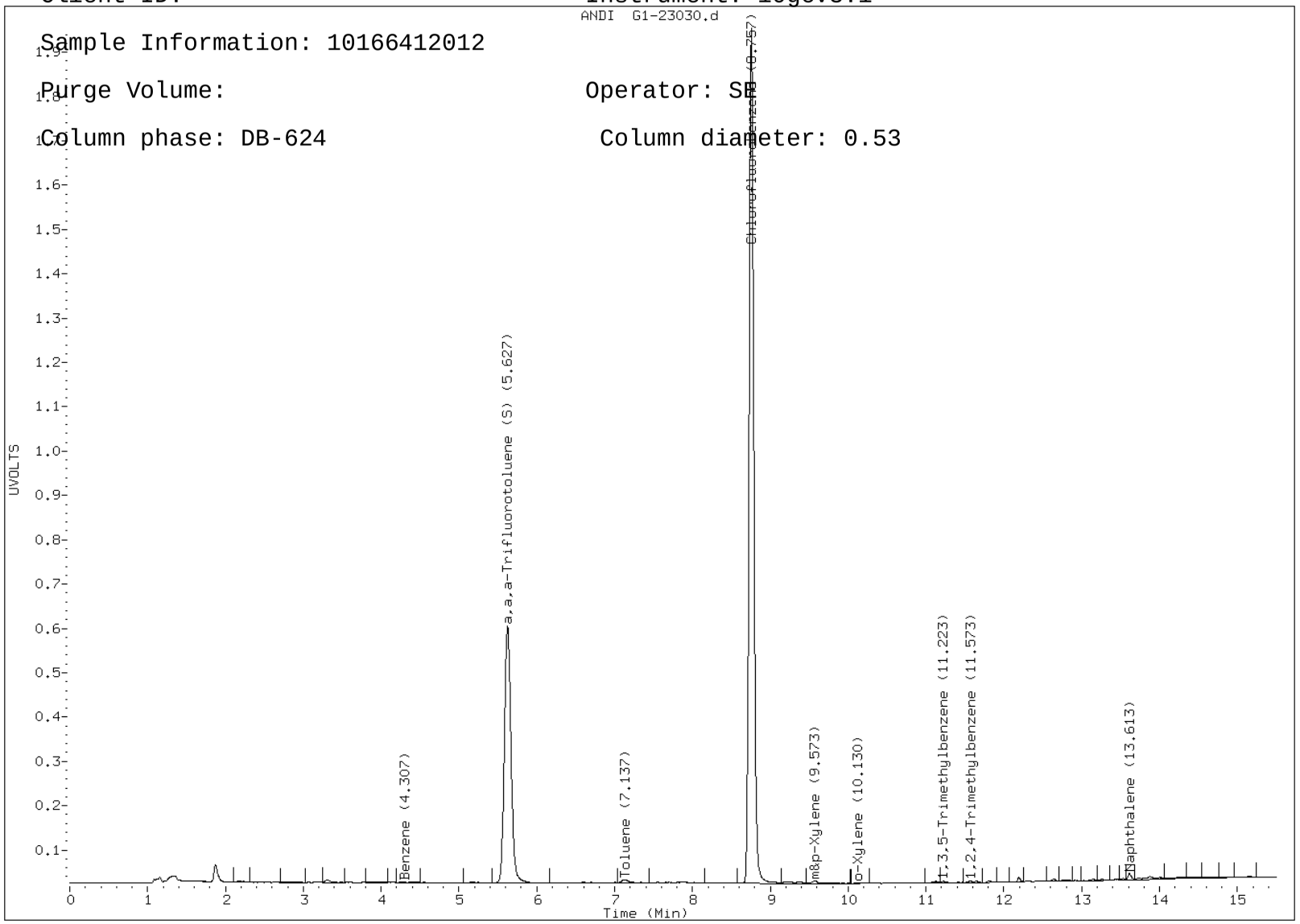
Sample ID: 10166412012

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412012

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23033.d
Lab Smp Id: 10166412016
Inj Date : 18-AUG-2011 23:21
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412016
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.623	5.630	(0.642)	34509	20.1774	1.01
	4 Toluene	7.133	7.123	(0.815)	276	0.12828	0.00641(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	77805	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.563	9.563	(1.092)	226	0.08909	0.00445(a)
	8 o-Xylene	10.106	10.106	(1.154)	174	0.07512	0.00376(a)
	10 1,3,5-Trimethylbenzene	11.223	11.213	(1.282)	138	0.04044	0.00202(a)
	11 1,2,4-Trimethylbenzene	11.650	11.563	(1.330)	263	0.09617	0.00481(a)
	12 Naphthalene	13.576	13.566	(1.550)	551	1.64349	0.0822

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23033.d

Report Date: 08/19/2011

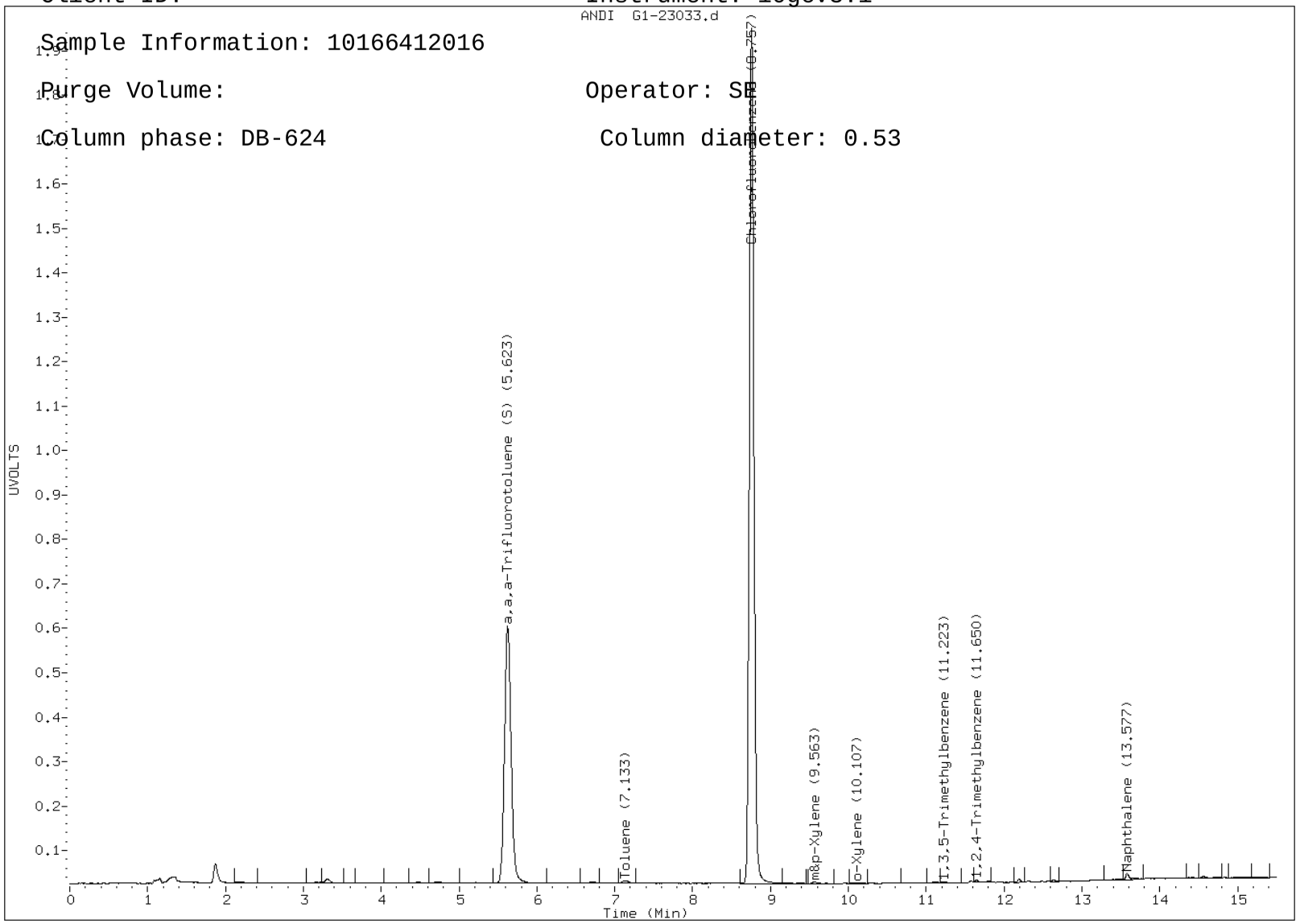
Sample ID: 10166412016

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412016

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23032.d
Lab Smp Id: 10166412015
Inj Date : 18-AUG-2011 23:00
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412015
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	35839	20.1025	1.00
	4 Toluene	7.133	7.123	(0.815)	392	0.17478	0.00874(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	81105	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.563	9.563	(1.092)	222	0.08396	0.00420(a)
	8 o-Xylene	Compound Not Detected.					
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.566	11.563	(1.321)	266	0.09331	0.00466(a)
	12 Naphthalene	13.583	13.566	(1.551)	1165	1.91985	0.0960

QC Flag Legend

a - Target compound detected but, quantitated amount

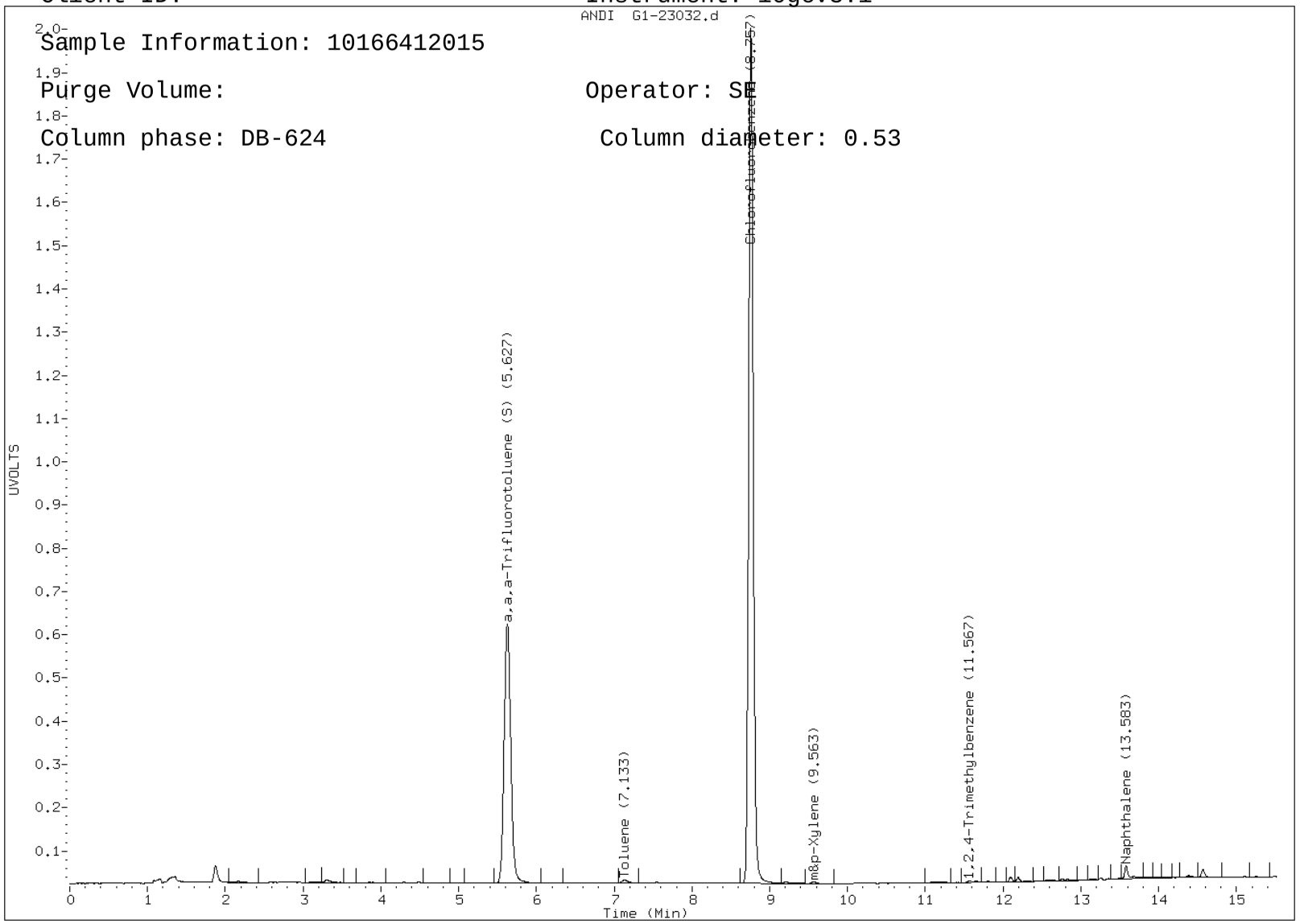
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23032.d

Report Date: 08/19/2011

Sample ID: 10166412015

Client ID: Instrument: 10gcv3.i



Sample Information: 10166412015

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53

Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23029.d
Lab Smp Id: 10166412009
Inj Date : 18-AUG-2011 21:54
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412009
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	34238	19.9441	0.997
	4 Toluene	7.136	7.123	(0.815)	517	0.23939	0.0120(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	78097	20.0000	
	6 Ethylbenzene	9.390	9.383	(1.072)	112	0.05095	0.00255(a)
	7 m&p-Xylene	9.570	9.563	(1.093)	190	0.07462	0.00373(a)
	8 o-Xylene	10.133	10.106	(1.157)	121	0.05204	0.00260(a)
	10 1,3,5-Trimethylbenzene	11.133	11.213	(1.271)	228	0.06656	0.00333(a)
	11 1,2,4-Trimethylbenzene	11.573	11.563	(1.322)	286	0.10419	0.00521(a)
	12 Naphthalene	13.623	13.566	(1.556)	356	1.54777	0.0774

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23029.d

Report Date: 08/19/2011

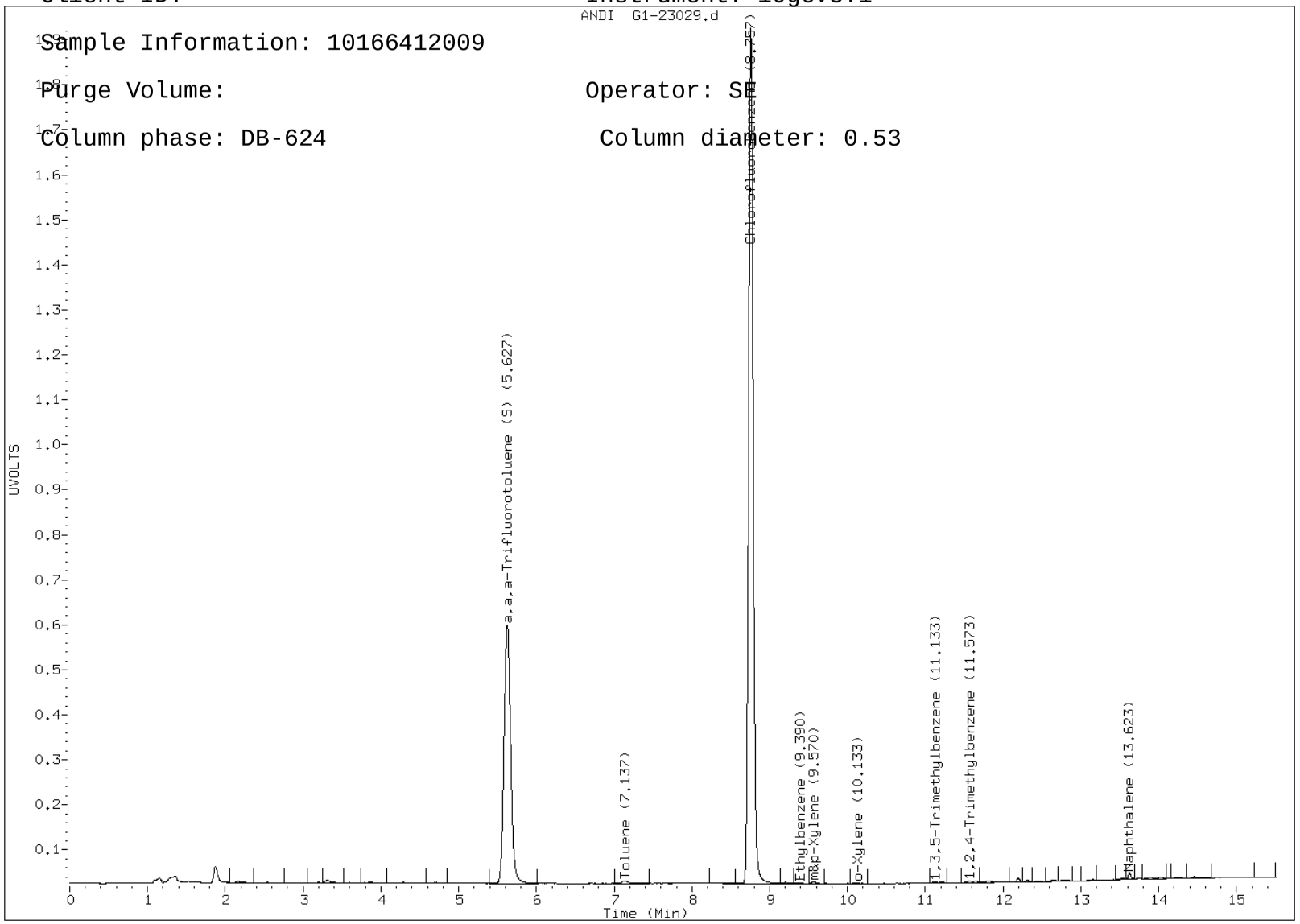
Sample ID: 10166412009

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412009

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23026.d
Lab Smp Id: 10166412001
Inj Date : 18-AUG-2011 20:49
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412001
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.173	4.270	(0.477)	118	0.06119	0.00306(a)
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	34615	20.1194	1.00
	4 Toluene	7.126	7.123	(0.814)	591	0.27305	0.0136(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	78269	20.0000	
	6 Ethylbenzene	9.390	9.383	(1.072)	210	0.09533	0.00477(a)
	7 m&p-Xylene	9.570	9.563	(1.093)	846	0.33153	0.0166(a)
	8 o-Xylene	10.113	10.106	(1.155)	408	0.17509	0.00875(a)
	10 1,3,5-Trimethylbenzene	11.216	11.213	(1.281)	616	0.17945	0.00897(a)
	11 1,2,4-Trimethylbenzene	11.566	11.563	(1.321)	1407	0.51142	0.0256
	12 Naphthalene	13.573	13.566	(1.550)	9908	6.19524	0.310

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23026.d

Report Date: 08/19/2011

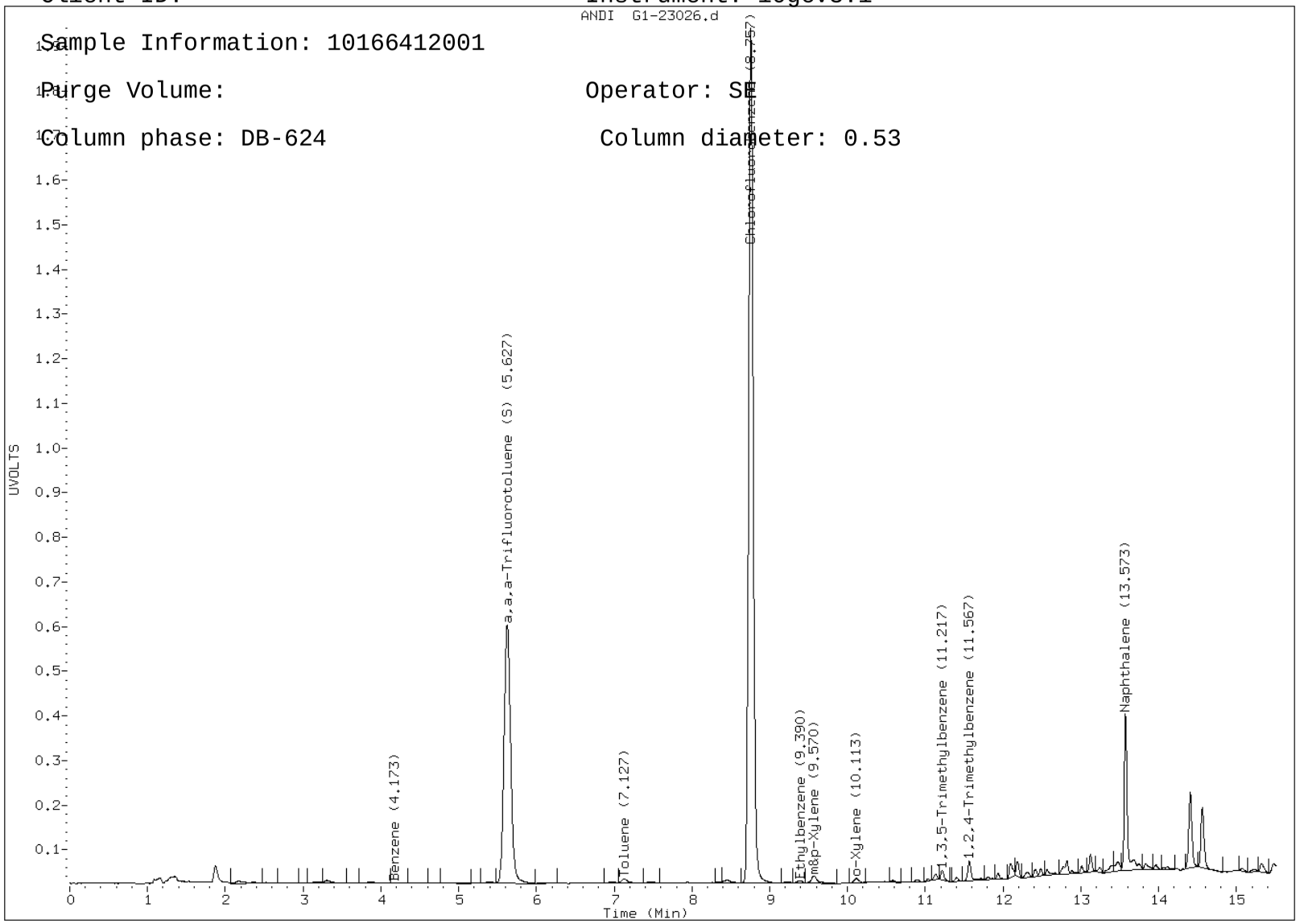
Sample ID: 10166412001

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412001

Purge Volume: Operator: SR

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23028.d
Lab Smp Id: 10166412004
Inj Date : 18-AUG-2011 21:33
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412004
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.623	5.630	(0.642)	34578	20.0179	1.00
	4 Toluene	7.126	7.123	(0.814)	486	0.22365	0.0112(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	78582	20.0000	
	6 Ethylbenzene	9.373	9.383	(1.070)	143	0.06465	0.00323(a)
	7 m&p-Xylene	9.573	9.563	(1.093)	240	0.09368	0.00468(a)
	8 o-Xylene	10.116	10.106	(1.155)	119	0.05086	0.00254(a)
	10 1,3,5-Trimethylbenzene	11.220	11.213	(1.281)	152	0.04410	0.00220(a)
	11 1,2,4-Trimethylbenzene	11.566	11.563	(1.321)	116	0.04200	0.00210(a)
	12 Naphthalene	13.613	13.566	(1.555)	458	1.59594	0.0798

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23028.d

Report Date: 08/19/2011

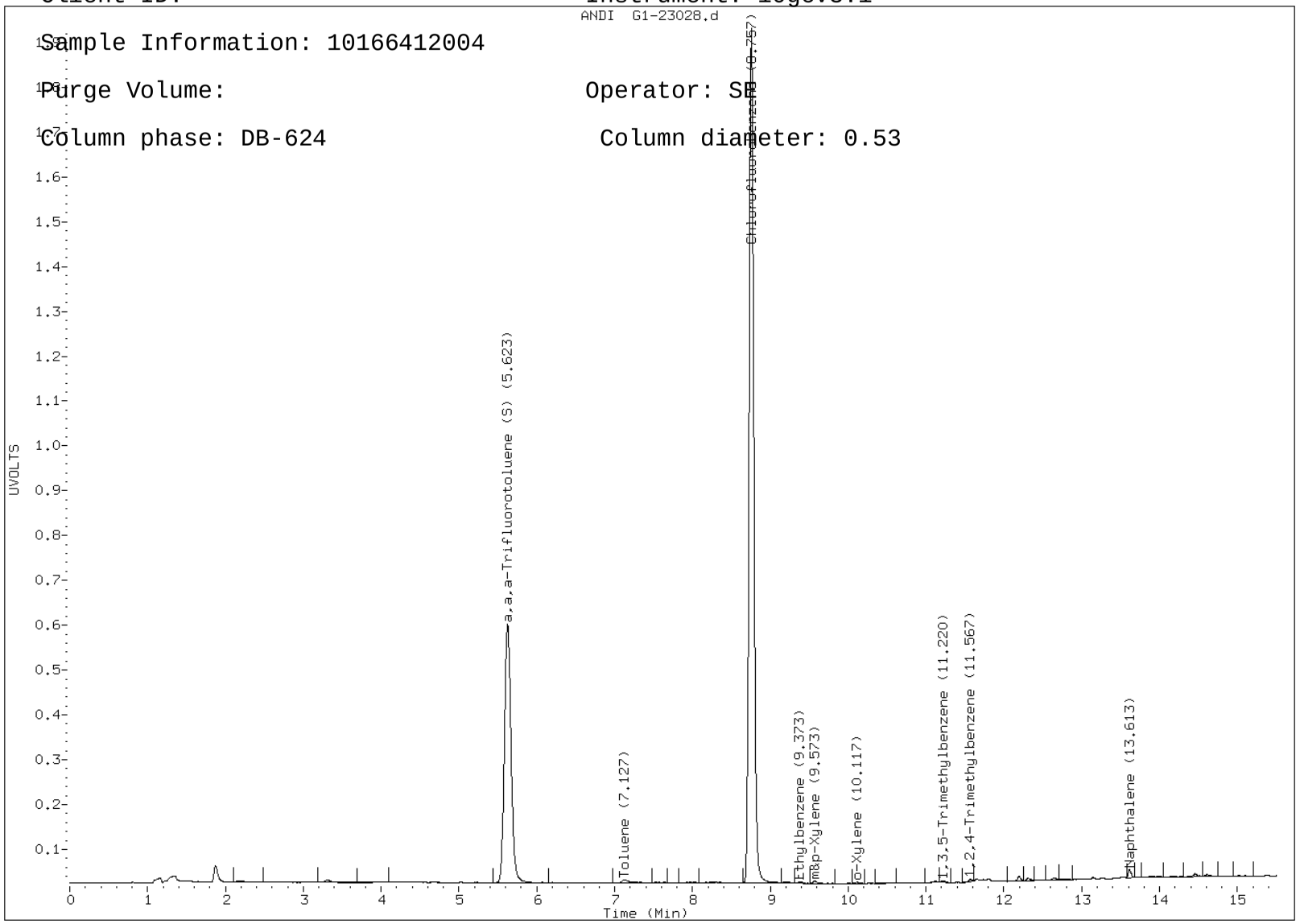
Sample ID: 10166412004

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412004

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22739.d
Lab Smp Id: 10166412003
Inj Date : 16-AUG-2011 02:22
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412003
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	39359	20.1756	20.2
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	85341	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22739.d

Report Date: 08/17/2011

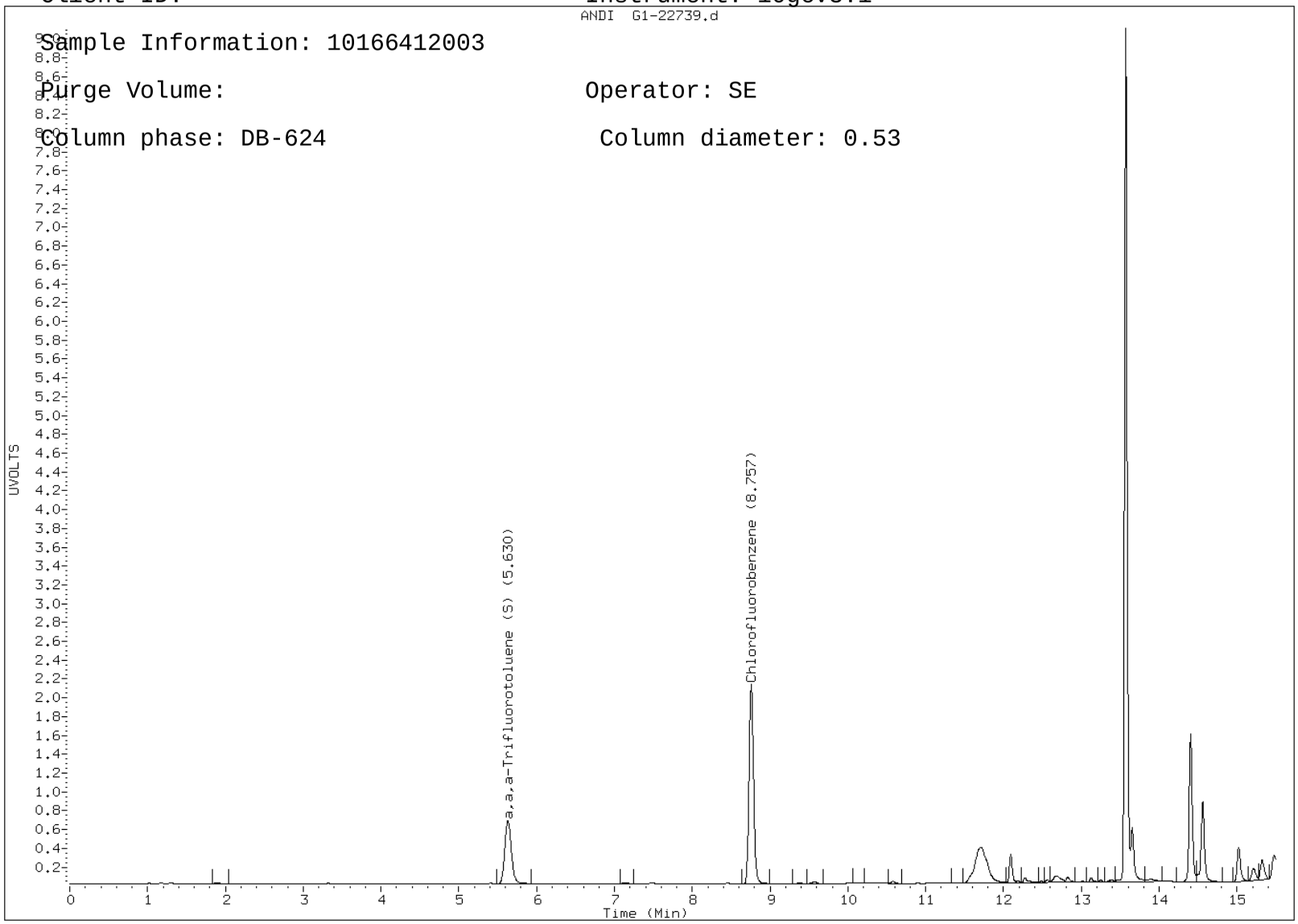
Sample ID: 10166412003

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412003

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22735.d
Lab Smp Id: 10166412014
Inj Date : 16-AUG-2011 00:55
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412014
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.633	5.633	(0.643)	37447	20.0632	20.1
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	81650	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22735.d

Report Date: 08/17/2011

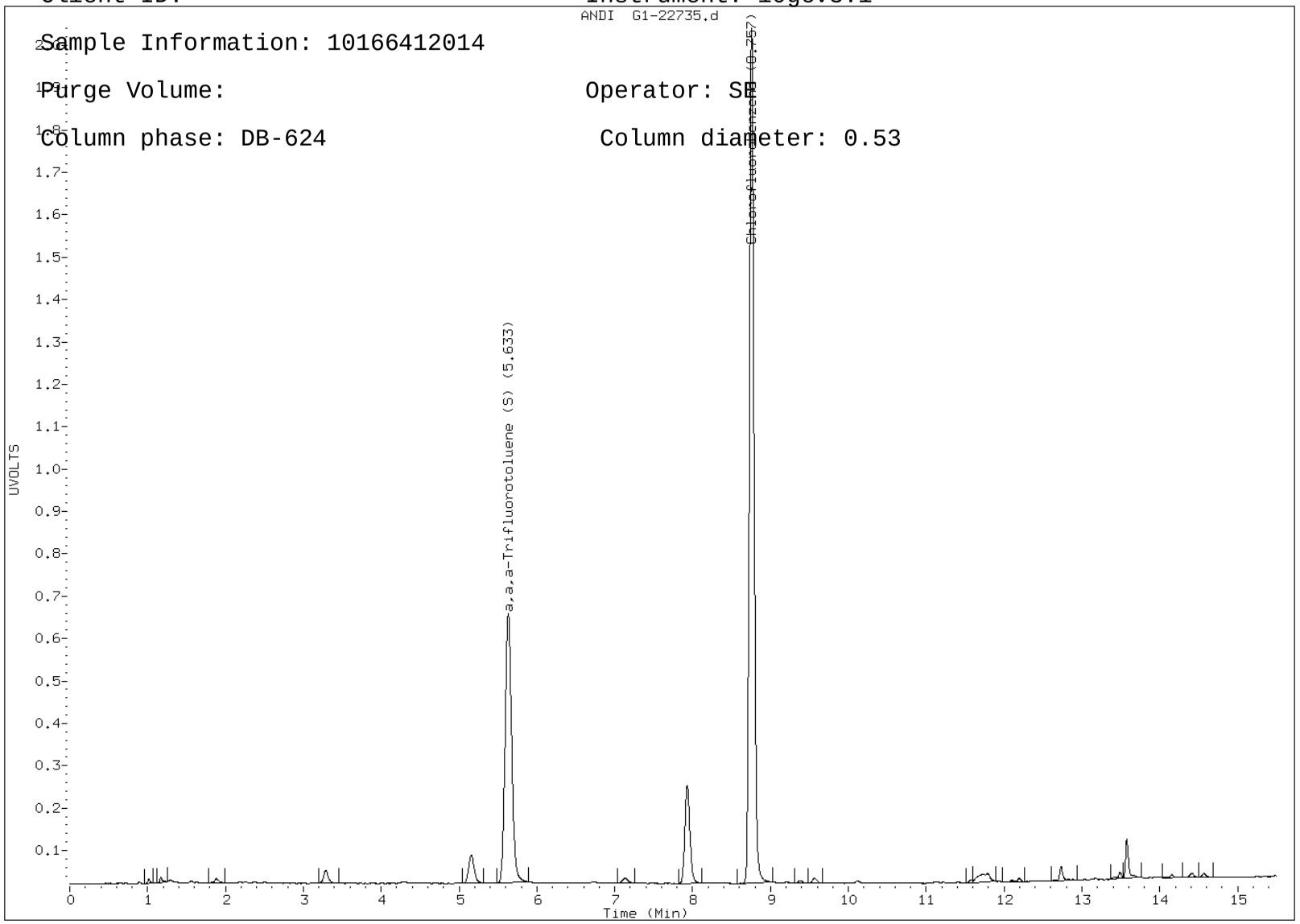
Sample ID: 10166412014

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412014

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22736.d
Lab Smp Id: 10166412018
Inj Date : 16-AUG-2011 01:17
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412018
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.633	5.633	(0.643)	35879	20.1483	20.1
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	77901	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22736.d

Report Date: 08/17/2011

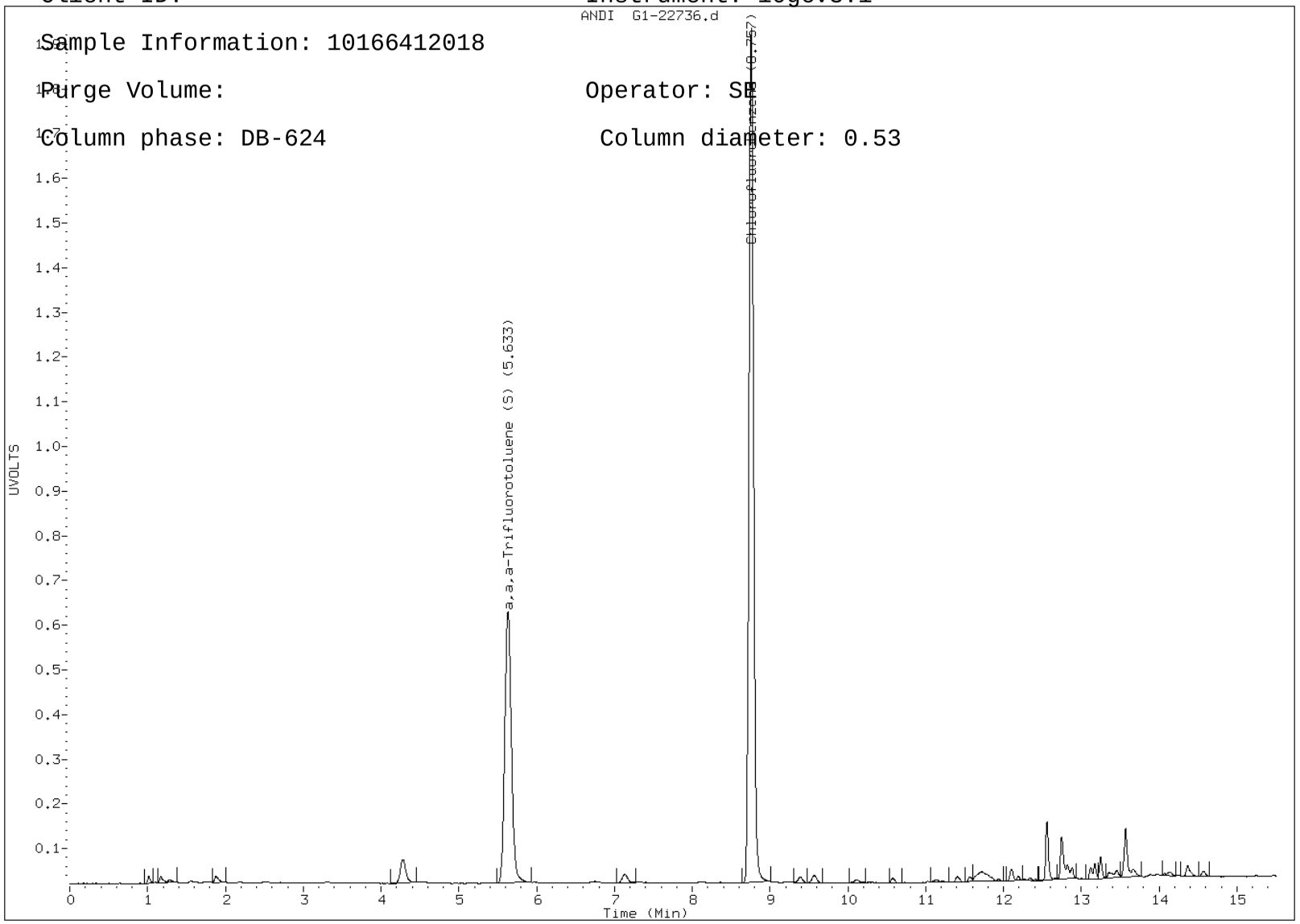
Sample ID: 10166412018

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412018

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22733.d
Lab Smp Id: 10166412008
Inj Date : 16-AUG-2011 00:12
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412008
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	38628	20.2734	20.3
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	83352	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22733.d

Report Date: 08/17/2011

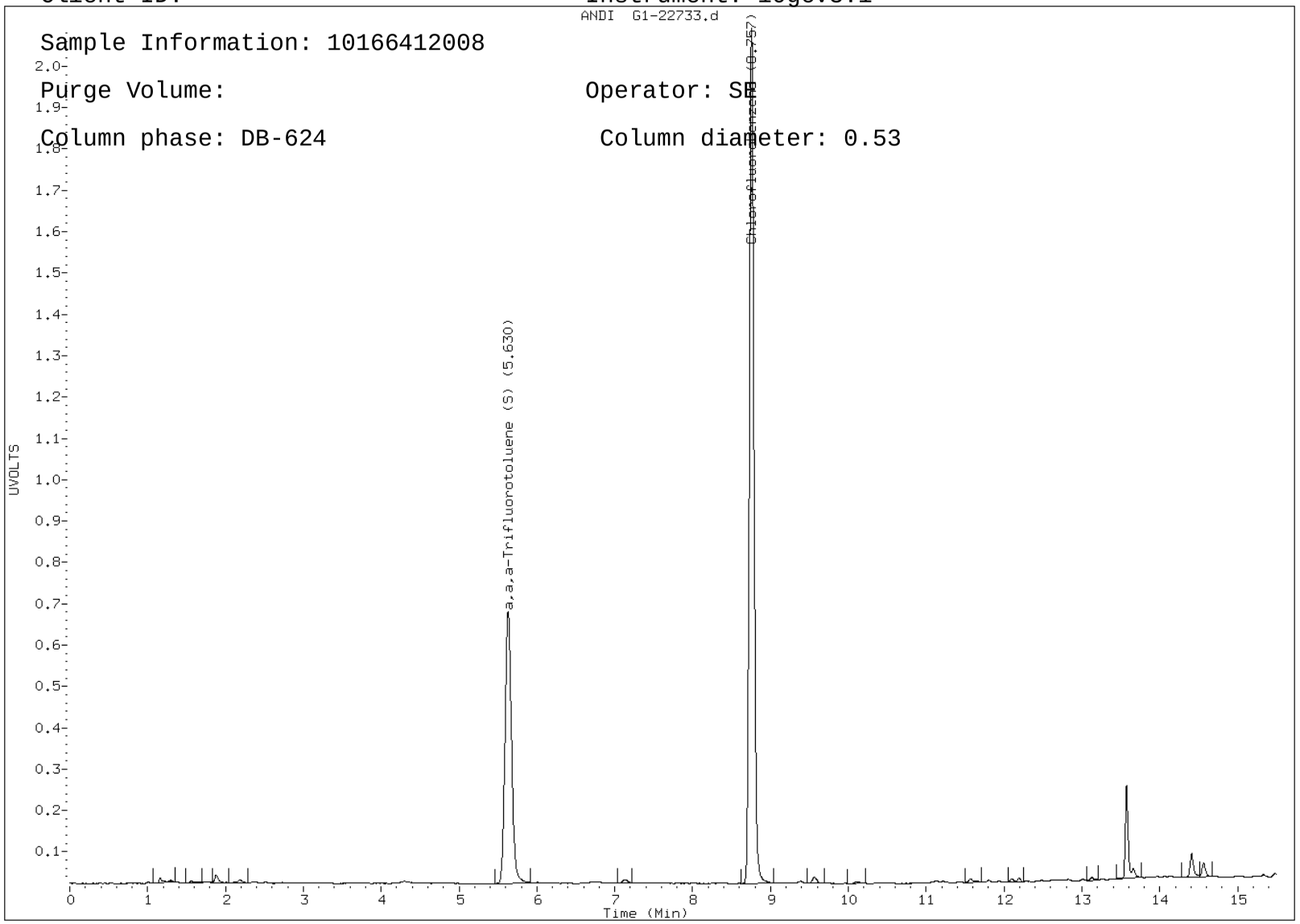
Sample ID: 10166412008

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412008

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22734.d
Lab Smp Id: 10166412011
Inj Date : 16-AUG-2011 00:33
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166412011
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.633	5.633	(0.643)	36471	20.2795	20.3
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	78674	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22734.d

Report Date: 08/17/2011

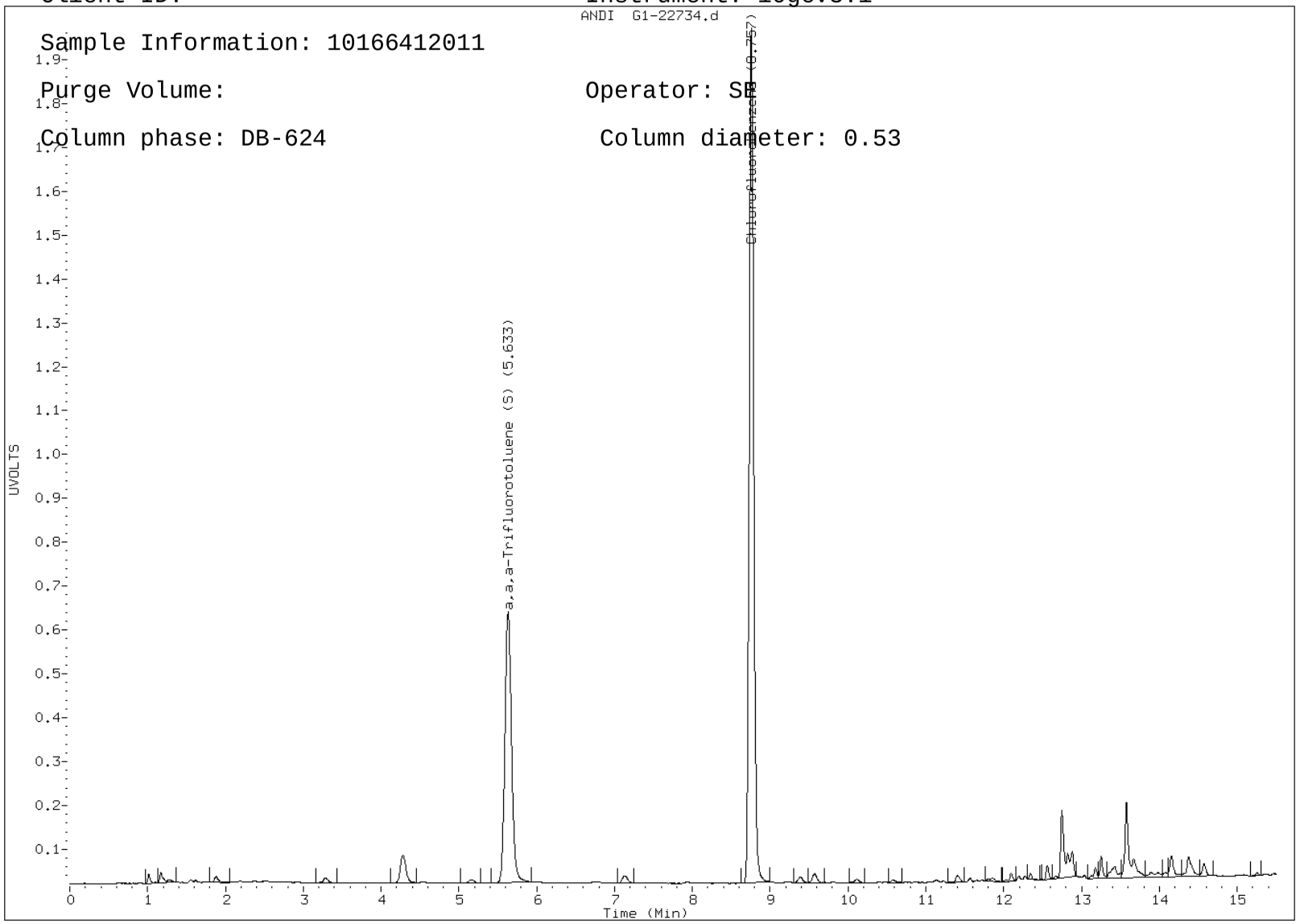
Sample ID: 10166412011

Client ID: Instrument: 10gcv3.i

Sample Information: 10166412011

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10166412

Section A — Required Client Information:

Company	Short Elliott Hendrickson Inc
Address	3535 Vadnais Center Drive
	Saint Paul, MN 55110
Email To	jkinny@sehinc.com
Phone	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT	Normal

Section B — Required Project Information:

Report To	John Kinny
Copy To	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order Nc	
Client Project I	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency: —

State / Location: Minnesota

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-23-4	T	SL	G	8/11	855				9	5						4			X	X	X	X	X		X				X			001
2	GP-23-10	T	SL	G	8/11	900				8	4						4			X	X	X	X	X						X			002
3	GP-23-19W	T	WT	G	8/11	905				12	2		1	8	1					X	X	X	X	X		X				X			003
4	GP-24-8	P	SL	G	8/11	1000				5							2			X	X			X						X			004
5	GP-24-13	P	SL	G	8/11	1005				4	2						2					X	X	X						X			HOLD UNTIL NOTIFICATION 005
6	GP-25-6	O	SL	G	8/11	1100				4	2						2					X	X	X						X			006
7	GP-24-17W	P	WT	G	8/11	950				5	2			3								X	X										007
8	GP-25-15W	O	WT	G	8/11	1110				11	2		1	8	1					X	X	X	X	X						X			008
9	GP-26-4	N	SL	G	8/11	1200				9	5						4			X	X	X	X	X	X					X			009
10	GP-26-24	N	SL	G	8/11	1230				9	5						4			X	X	X	X	X	X					X			HOLD UNTIL NOTIFICATION 010
11	GP-26-28W	N	WT	G	8/11	1245				10	2		1	8						X	X	X	X	X						X			011
12	GP-27-8	M	SL	G	8/11	1345				8	4						4			X	X	X	X	X									012

ADDITIONAL COMMENTS

GP-23-19W Change to GP-23-11W
GP-24-17W to GP-24-13W
GP-25-15W to GP-25-8W
GP-26-28W to GP-26-23W

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	8/12			8/12/11	1558	1.5 / 0.9 / 0.2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

SAMPLE CONDITIONS			
TEMP in C	1.5 / 0.9 / 0.2		
Received on Ice (Y/N)	Y		
Custody Sealed Cooler (Y/N)	N		
Samples Intact (Y/N)	Y		

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

10166412

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive, Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I:	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency: —

State / Location: Minnesota

Requested Analysis Filtered (Y/N): Y/N

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-28-8	L	SL	G	8/11	1430				8	4						4		X	X	X	X	X						X		013
2	GP-28-28W	L	WT	G	8/11	1445				11	2		1	8					X	X	X	X	X								014
3	GP-29-16	K	SL	G	8/11	1545				10	6						4		X	X	X	X	X	X	X						015
4	GP-30-10	J	SL	G	8/11	1645				9	5						4		X	X	X	X	X		X				X		016
5	GP-30-13	I	SL	G	8/11	1700				9	5						4		X	X	X	X	X		X						HOLD UNTIL NOTIFICATION
6	GP-30-14W	G	SL	G	8/11	1630				10	2		1	7					X	X	X	X	X								018
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
GP-28-28W to GP-28-22W					8/12/11	1558	1.5	Y	N	Y
							0.9			
							0.2			

SAMPLER NAME AND SIGNATURE	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:				
SIGNATURE of SAMPLER: DATE Signed:				

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: SEH Project # _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☑ No _____

Thermometer Used 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 0.9, 1.5, 0.2 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8/12/11 f.M

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☐Yes	☑No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10. Missing Samples GP-25-6 SL
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL WT				
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☑Yes	☐No	☐N/A	13. ☒ HNO3 ☐ H2SO4 ☒ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	Samp # 19W 25-28W 15W 30-19W 26-28W (1/1) 19W (1/1)
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes	☐No		Initial when completed f.M Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present ____	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 8/15/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical
www.pacelabs.com

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A — Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive
	Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I:	STLOU 106311
Container Order Number:	49263

Section C — Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency: Minnesota

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	Residual Chlorine (Y/N)	
1	GP-25-6		SL	G	8/11	1100				2	2												X	X						X		sample #10166412006
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	JOHN KINNY / SEH	8/16/11	950		8-16-11	0955	1.1 / Y / N / Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN KINNY

SIGNATURE of SAMPLER: J. K.

DATE Signed: 8/16/11

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.1	Y	N	Y

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 09, 2011

John Kinny
SEH
3535 Vadnais Center Drive
Saint Paul, MN 55110

RE: Project: STLOU 106311 REV
Pace Project No.: 10166418

Dear John Kinny:
Enclosed are the analytical results for sample(s) received by the laboratory on August 12, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

This report has been revised to change the units of measure for some compounds and to add TCLP-lead to sample GP-33-8.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

cc: Christine Carlson, Short Elliott Hendrickson

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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: STLOU 106311 REV
Pace Project No.: 10166418

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10166418001	**GP-31-4**	Solid	08/12/11 08:25	08/12/11 15:58
10166418002	**GP-31-8**	Solid	08/12/11 08:30	08/12/11 15:58
10166418004	**GP-32-8**	Solid	08/12/11 09:15	08/12/11 15:58
10166418005	**GP-32-8W**	Water	08/12/11 09:25	08/12/11 15:58
10166418006	**GP-33-3**	Solid	08/12/11 10:00	08/12/11 15:58
10166418007	**GP-33-8**	Solid	08/12/11 10:20	08/12/11 15:58
10166418008	**GP-33-8W**	Water	08/12/11 10:45	08/12/11 15:58
10166418009	**Equip Blank**	Water	08/12/11 11:00	08/12/11 15:58

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166418

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10166418001	**GP-31-4**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166418002	**GP-31-8**	WI MOD DRO	JRH	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166418004	**GP-32-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166418005	**GP-32-8W**	EPA 8270	JLR	72	PASI-M
		EPA 8260	KT1	73	PASI-M
10166418006	**GP-33-3**	EPA 6010	IP	7	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
10166418007	**GP-33-8**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 6010	IP	1	PASI-M
		EPA 7471	TEM	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270	JMW	72	PASI-M
		EPA 8260	CNC	71	PASI-M
		SM 4500-CN-E	SRM1	1	PASI-K
10166418008	**GP-33-8W**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: STLOU 106311 REV
Pace Project No.: 10166418

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	ECB	73	PASI-M
		SM 4500-CN-E	MWD	1	PASI-M
10166418009	**Equip Blank**	WI MOD DRO	JRH	2	PASI-M
		WI MOD GRO	SE	2	PASI-M
		EPA 6010	IP	7	PASI-M
		EPA 7470	TEM	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		EPA 8260	KT1	73	PASI-M
		SM 4500-CN-E	MWD	1	PASI-M

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 09, 2011

General Information:
3 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

QC Batch: OEXT/16352

G2: The sample weight in the container did not meet method specifications.
- GP-33-8 (Lab ID: 10166418007)

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/16352

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
- GP-31-8 (Lab ID: 10166418002)
  - n-Triacontane (S)
- GP-33-8 (Lab ID: 10166418007)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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(612)607-1700

PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 09, 2011

Analyte Comments:

QC Batch: OEXT/16352

2M: The sample was re-weighed into a new container because the original container was not tared.
- GP-33-8 (Lab ID: 10166418007)
  - n-Triacontane (S)

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- GP-31-8 (Lab ID: 10166418002)
  - n-Triacontane (S)

T6: High boiling point hydrocarbons are present in the sample.
- GP-31-8 (Lab ID: 10166418002)
  - Diesel Range Organics
- GP-33-8 (Lab ID: 10166418007)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: GCV/8301

1M: Sample exceeded the WIGRO weight requirement.
- DUP (Lab ID: 1034302)
  - a,a,a-Trifluorotoluene (S)
- MS (Lab ID: 1034301)
  - a,a,a-Trifluorotoluene (S)

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 6010**
Description: 6010 MET ICP
Client: SEH_MN
Date: September 09, 2011

General Information:
7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/27749

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166358001,10166418007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033555)
  - Lead

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: SEH_MN
Date: September 09, 2011

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 7470**
Description: 7470 Mercury
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/5813

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166471009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033912)
  - Mercury
- MSD (Lab ID: 1033913)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 7471**
Description: 7471 Mercury
Client: SEH_MN
Date: September 09, 2011

General Information:
5 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/5807

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166234001,10166406001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033604)
  - Mercury

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1033602)
  - Mercury
- MSD (Lab ID: 1033603)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 09, 2011

General Information:
8 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550 with any exceptions noted below.
The samples were prepared in accordance with EPA 3520 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/7008

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 8270**
Description: 8270 MSSV
Client: SEH_MN
Date: September 09, 2011

Analyte Comments:

QC Batch: OEXT/16356

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- GP-31-8 (Lab ID: 10166418002)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 8260**
Description: 8260 MSV 5030 Med Level
Client: SEH_MN
Date: September 09, 2011

General Information:
5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/17674

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- DUP (Lab ID: 1034203)
  - 1,2-Dichloroethane-d4 (S)
  - Dibromofluoromethane (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 09, 2011

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/17680

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- LCS (Lab ID: 1034896)
  - Acetone
- MS (Lab ID: 1035818)
  - Acetone

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/17680

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1034896)
  - Acetone

QC Batch: MSV/17703

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1036762)
  - Allyl chloride
  - Chloromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **EPA 8260**
Description: 8260 VOC
Client: SEH_MN
Date: September 09, 2011

QC Batch: MSV/17703

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166860001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1037016)
  - 1,1,2-Trichlorotrifluoroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,1-Dichloropropene
  - Diethyl ether (Ethyl ether)

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **SM 4500-CN-E**
Description: 4500CNE Cyanide, Total
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Method: **SM 4500-CN-E**
Description: SM4500CN-E Cyanide
Client: SEH_MN
Date: September 09, 2011

General Information:
2 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/10927

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10166353005,10166412003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1035737)
  - Cyanide

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-4 **Lab ID: 10166418001** Collected: 08/12/11 08:25 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.8**	mg/kg	0.43	0.21	1	08/16/11 11:50	08/16/11 18:51	7440-38-2	
Barium	**23.3**	mg/kg	0.43	0.017	1	08/16/11 11:50	08/16/11 18:51	7440-39-3	
Cadmium	**0.057**	mg/kg	0.043	0.0085	1	08/16/11 11:50	08/16/11 18:51	7440-43-9	
Chromium	**11.4**	mg/kg	0.43	0.060	1	08/16/11 11:50	08/16/11 18:51	7440-47-3	
Lead	**12.4**	mg/kg	0.26	0.043	1	08/16/11 11:50	08/16/11 18:51	7439-92-1	
Selenium	**0.97**	mg/kg	0.64	0.11	1	08/16/11 11:50	08/16/11 18:51	7782-49-2	
Silver	ND	mg/kg	0.43	0.026	1	08/16/11 11:50	08/16/11 18:51	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0015	1	08/16/11 08:17	08/17/11 10:47	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**5.5**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	83-32-9	
Acenaphthylene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	208-96-8	
Anthracene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	85-68-7	
Carbazole	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	59-50-7	
4-Chloroaniline	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.35	0.061	1	08/17/11 07:37	08/20/11 14:55	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.35	0.063	1	08/17/11 07:37	08/20/11 14:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.35	0.060	1	08/17/11 07:37	08/20/11 14:55	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	91-58-7	
2-Chlorophenol	ND	mg/kg	0.35	0.062	1	08/17/11 07:37	08/20/11 14:55	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	7005-72-3	
Chrysene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	53-70-3	
Dibenzofuran	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.35	0.065	1	08/17/11 07:37	08/20/11 14:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.35	0.060	1	08/17/11 07:37	08/20/11 14:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.35	0.062	1	08/17/11 07:37	08/20/11 14:55	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.71	0.35	1	08/17/11 07:37	08/20/11 14:55	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	120-83-2	
Diethylphthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	105-67-9	
Dimethylphthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-4 **Lab ID: 10166418001** Collected: 08/12/11 08:25 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	117-81-7	
Fluoranthene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	206-44-0	
Fluorene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.35	0.068	1	08/17/11 07:37	08/20/11 14:55	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	118-74-1	
Hexachloroethane	ND	mg/kg	0.35	0.064	1	08/17/11 07:37	08/20/11 14:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	193-39-5	
Isophorone	ND	mg/kg	0.35	0.060	1	08/17/11 07:37	08/20/11 14:55	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.35	0.053	1	08/17/11 07:37	08/20/11 14:55	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.70	0.35	1	08/17/11 07:37	08/20/11 14:55		
Naphthalene	ND	mg/kg	0.35	0.062	1	08/17/11 07:37	08/20/11 14:55	91-20-3	
2-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	88-74-4	
3-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	99-09-2	
4-Nitroaniline	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	100-01-6	
Nitrobenzene	ND	mg/kg	0.35	0.068	1	08/17/11 07:37	08/20/11 14:55	98-95-3	
2-Nitrophenol	ND	mg/kg	0.35	0.064	1	08/17/11 07:37	08/20/11 14:55	88-75-5	
4-Nitrophenol	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.35	0.059	1	08/17/11 07:37	08/20/11 14:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.35	0.058	1	08/17/11 07:37	08/20/11 14:55	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	86-30-6	
Pentachlorophenol	ND	mg/kg	0.71	0.35	1	08/17/11 07:37	08/20/11 14:55	87-86-5	
Phenanthrene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	85-01-8	
Phenol	ND	mg/kg	0.35	0.061	1	08/17/11 07:37	08/20/11 14:55	108-95-2	
Pyrene	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.35	0.063	1	08/17/11 07:37	08/20/11 14:55	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.8	0.90	1	08/17/11 07:37	08/20/11 14:55	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.35	0.17	1	08/17/11 07:37	08/20/11 14:55	88-06-2	
Nitrobenzene-d5 (S)	63	%	50-120		1	08/17/11 07:37	08/20/11 14:55	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-150		1	08/17/11 07:37	08/20/11 14:55	321-60-8	
Terphenyl-d14 (S)	86	%	30-150		1	08/17/11 07:37	08/20/11 14:55	1718-51-0	
Phenol-d6 (S)	70	%	30-149		1	08/17/11 07:37	08/20/11 14:55	13127-88-3	
2-Fluorophenol (S)	64	%	30-147		1	08/17/11 07:37	08/20/11 14:55	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-150		1	08/17/11 07:37	08/20/11 14:55	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 11:05	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-4 **Lab ID: 10166418001** Collected: 08/12/11 08:25 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.21	0.069	1	08/16/11 12:17	08/17/11 11:05	107-05-1	
Benzene	ND	mg/kg	0.021	0.011	1	08/16/11 12:17	08/17/11 11:05	71-43-2	
Bromobenzene	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 11:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.053	0.024	1	08/16/11 12:17	08/17/11 11:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 11:05	75-27-4	
Bromoform	ND	mg/kg	0.21	0.053	1	08/16/11 12:17	08/17/11 11:05	75-25-2	
Bromomethane	ND	mg/kg	0.53	0.080	1	08/16/11 12:17	08/17/11 11:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 11:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.053	0.0050	1	08/16/11 12:17	08/17/11 11:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.053	0.0057	1	08/16/11 12:17	08/17/11 11:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 11:05	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	108-90-7	
Chloroethane	ND	mg/kg	0.53	0.13	1	08/16/11 12:17	08/17/11 11:05	75-00-3	
Chloroform	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	67-66-3	
Chloromethane	ND	mg/kg	0.21	0.035	1	08/16/11 12:17	08/17/11 11:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.053	0.0072	1	08/16/11 12:17	08/17/11 11:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.053	0.0072	1	08/16/11 12:17	08/17/11 11:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.21	0.040	1	08/16/11 12:17	08/17/11 11:05	96-12-8	
Dibromochloromethane	ND	mg/kg	0.053	0.011	1	08/16/11 12:17	08/17/11 11:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 11:05	106-93-4	
Dibromomethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 11:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 11:05	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.053	0.0068	1	08/16/11 12:17	08/17/11 11:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.053	0.0095	1	08/16/11 12:17	08/17/11 11:05	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 11:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 11:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.053	0.014	1	08/16/11 12:17	08/17/11 11:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.053	0.027	1	08/16/11 12:17	08/17/11 11:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 11:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.053	0.015	1	08/16/11 12:17	08/17/11 11:05	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.53	0.028	1	08/16/11 12:17	08/17/11 11:05	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.053	0.023	1	08/16/11 12:17	08/17/11 11:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.053	0.0088	1	08/16/11 12:17	08/17/11 11:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.21	0.021	1	08/16/11 12:17	08/17/11 11:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.053	0.0092	1	08/16/11 12:17	08/17/11 11:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.053	0.0098	1	08/16/11 12:17	08/17/11 11:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.21	0.035	1	08/16/11 12:17	08/17/11 11:05	60-29-7	
Ethylbenzene	ND	mg/kg	0.053	0.0029	1	08/16/11 12:17	08/17/11 11:05	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	0.0060	1	08/16/11 12:17	08/17/11 11:05	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 11:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.053	0.0092	1	08/16/11 12:17	08/17/11 11:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.21	0.11	1	08/16/11 12:17	08/17/11 11:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 11:05	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-4 **Lab ID: 10166418001** Collected: 08/12/11 08:25 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 11:05	1634-04-4	
Naphthalene	ND	mg/kg	0.21	0.0091	1	08/16/11 12:17	08/17/11 11:05	91-20-3	
n-Propylbenzene	ND	mg/kg	0.053	0.0042	1	08/16/11 12:17	08/17/11 11:05	103-65-1	
Styrene	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 11:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.053	0.013	1	08/16/11 12:17	08/17/11 11:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.053	0.014	1	08/16/11 12:17	08/17/11 11:05	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.1	0.16	1	08/16/11 12:17	08/17/11 11:05	109-99-9	
Toluene	ND	mg/kg	0.053	0.0080	1	08/16/11 12:17	08/17/11 11:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.053	0.015	1	08/16/11 12:17	08/17/11 11:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 11:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.053	0.0069	1	08/16/11 12:17	08/17/11 11:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.053	0.023	1	08/16/11 12:17	08/17/11 11:05	79-00-5	
Trichloroethene	ND	mg/kg	0.053	0.017	1	08/16/11 12:17	08/17/11 11:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.21	0.026	1	08/16/11 12:17	08/17/11 11:05	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.21	0.017	1	08/16/11 12:17	08/17/11 11:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 11:05	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.053	0.0078	1	08/16/11 12:17	08/17/11 11:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.053	0.0070	1	08/16/11 12:17	08/17/11 11:05	108-67-8	
Vinyl chloride	ND	mg/kg	0.021	0.0099	1	08/16/11 12:17	08/17/11 11:05	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.029	1	08/16/11 12:17	08/17/11 11:05	1330-20-7	
Dibromofluoromethane (S)	76	%	30-150		1	08/16/11 12:17	08/17/11 11:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	73	%	30-150		1	08/16/11 12:17	08/17/11 11:05	17060-07-0	
Toluene-d8 (S)	70	%	30-150		1	08/16/11 12:17	08/17/11 11:05	2037-26-5	
4-Bromofluorobenzene (S)	74	%	30-150		1	08/16/11 12:17	08/17/11 11:05	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-8 **Lab ID: 10166418002** Collected: 08/12/11 08:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**233**	mg/kg	61.2	4.0	5	08/16/11 14:21	08/17/11 22:07		T6
n-Triacontane (S)	427	%	50-150		5	08/16/11 14:21	08/17/11 22:07		D3,S5
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.2**	mg/kg	0.76	0.38	1	08/16/11 11:50	08/16/11 18:57	7440-38-2	
Barium	**57.3**	mg/kg	0.76	0.030	1	08/16/11 11:50	08/16/11 18:57	7440-39-3	
Cadmium	**0.31**	mg/kg	0.076	0.015	1	08/16/11 11:50	08/16/11 18:57	7440-43-9	
Chromium	**4.3**	mg/kg	0.76	0.11	1	08/16/11 11:50	08/16/11 18:57	7440-47-3	
Lead	**16.3**	mg/kg	0.46	0.076	1	08/16/11 11:50	08/16/11 18:57	7439-92-1	
Selenium	**3.7**	mg/kg	1.1	0.20	1	08/16/11 11:50	08/16/11 18:57	7782-49-2	
Silver	ND	mg/kg	0.76	0.046	1	08/16/11 11:50	08/16/11 18:57	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.096**	mg/kg	0.032	0.0025	1	08/16/11 08:17	08/17/11 10:49	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**36.8**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	83-32-9	
Acenaphthylene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	208-96-8	
Anthracene	**5.6**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	120-12-7	
Benzo(a)anthracene	**5.4**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	56-55-3	
Benzo(a)pyrene	**6.2**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	50-32-8	
Benzo(b)fluoranthene	**8.4**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	205-99-2	
Benzo(g,h,i)perylene	**4.1**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	191-24-2	
Benzo(k)fluoranthene	**2.7**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	101-55-3	
Butylbenzylphthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	85-68-7	
Carbazole	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	59-50-7	
4-Chloroaniline	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	2.6	0.45	5	08/17/11 07:37	08/19/11 22:25	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	2.6	0.47	5	08/17/11 07:37	08/19/11 22:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	2.6	0.45	5	08/17/11 07:37	08/19/11 22:25	108-60-1	
2-Chloronaphthalene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	91-58-7	
2-Chlorophenol	ND	mg/kg	2.6	0.46	5	08/17/11 07:37	08/19/11 22:25	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	7005-72-3	
Chrysene	**7.3**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	53-70-3	
Dibenzofuran	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	2.6	0.48	5	08/17/11 07:37	08/19/11 22:25	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	2.6	0.45	5	08/17/11 07:37	08/19/11 22:25	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	2.6	0.46	5	08/17/11 07:37	08/19/11 22:25	106-46-7	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-8 **Lab ID: 10166418002** Collected: 08/12/11 08:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
3,3'-Dichlorobenzidine	ND	mg/kg	5.3	2.6	5	08/17/11 07:37	08/19/11 22:25	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	120-83-2	
Diethylphthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	105-67-9	
Dimethylphthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	131-11-3	
Di-n-butylphthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	606-20-2	
Di-n-octylphthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	117-81-7	
Fluoranthene	**13.5**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	206-44-0	
Fluorene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	2.6	0.51	5	08/17/11 07:37	08/19/11 22:25	87-68-3	
Hexachlorobenzene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	118-74-1	
Hexachloroethane	ND	mg/kg	2.6	0.48	5	08/17/11 07:37	08/19/11 22:25	67-72-1	
Indeno(1,2,3-cd)pyrene	**3.2**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	193-39-5	
Isophorone	ND	mg/kg	2.6	0.45	5	08/17/11 07:37	08/19/11 22:25	78-59-1	
1-Methylnaphthalene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	90-12-0	
2-Methylnaphthalene	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	2.6	0.40	5	08/17/11 07:37	08/19/11 22:25	95-48-7	
3&4-Methylphenol	ND	mg/kg	5.2	2.6	5	08/17/11 07:37	08/19/11 22:25		
Naphthalene	ND	mg/kg	2.6	0.46	5	08/17/11 07:37	08/19/11 22:25	91-20-3	
2-Nitroaniline	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	88-74-4	
3-Nitroaniline	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	99-09-2	
4-Nitroaniline	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	100-01-6	
Nitrobenzene	ND	mg/kg	2.6	0.51	5	08/17/11 07:37	08/19/11 22:25	98-95-3	
2-Nitrophenol	ND	mg/kg	2.6	0.48	5	08/17/11 07:37	08/19/11 22:25	88-75-5	
4-Nitrophenol	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	2.6	0.44	5	08/17/11 07:37	08/19/11 22:25	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	2.6	0.43	5	08/17/11 07:37	08/19/11 22:25	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	86-30-6	
Pentachlorophenol	ND	mg/kg	5.3	2.6	5	08/17/11 07:37	08/19/11 22:25	87-86-5	
Phenanthrene	**11.3**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	85-01-8	
Phenol	ND	mg/kg	2.6	0.46	5	08/17/11 07:37	08/19/11 22:25	108-95-2	
Pyrene	**13.4**	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	2.6	0.47	5	08/17/11 07:37	08/19/11 22:25	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	13.4	6.7	5	08/17/11 07:37	08/19/11 22:25	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	2.6	1.3	5	08/17/11 07:37	08/19/11 22:25	88-06-2	
Nitrobenzene-d5 (S)	64	%	50-120		5	08/17/11 07:37	08/19/11 22:25	4165-60-0	D3
2-Fluorobiphenyl (S)	74	%	30-150		5	08/17/11 07:37	08/19/11 22:25	321-60-8	
Terphenyl-d14 (S)	74	%	30-150		5	08/17/11 07:37	08/19/11 22:25	1718-51-0	
Phenol-d6 (S)	67	%	30-149		5	08/17/11 07:37	08/19/11 22:25	13127-88-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-8 **Lab ID: 10166418002** Collected: 08/12/11 08:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Fluorophenol (S)	67	%	30-147		5	08/17/11 07:37	08/19/11 22:25	367-12-4	
2,4,6-Tribromophenol (S)	71	%	30-150		5	08/17/11 07:37	08/19/11 22:25	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.77	0.38	1	08/16/11 12:17	08/17/11 14:51	67-64-1	
Allyl chloride	ND	mg/kg	0.31	0.10	1	08/16/11 12:17	08/17/11 14:51	107-05-1	
Benzene	**0.062**	mg/kg	0.031	0.015	1	08/16/11 12:17	08/17/11 14:51	71-43-2	
Bromobenzene	ND	mg/kg	0.077	0.023	1	08/16/11 12:17	08/17/11 14:51	108-86-1	
Bromochloromethane	ND	mg/kg	0.077	0.035	1	08/16/11 12:17	08/17/11 14:51	74-97-5	
Bromodichloromethane	ND	mg/kg	0.077	0.030	1	08/16/11 12:17	08/17/11 14:51	75-27-4	
Bromoform	ND	mg/kg	0.31	0.076	1	08/16/11 12:17	08/17/11 14:51	75-25-2	
Bromomethane	ND	mg/kg	0.77	0.12	1	08/16/11 12:17	08/17/11 14:51	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.77	0.38	1	08/16/11 12:17	08/17/11 14:51	78-93-3	
n-Butylbenzene	ND	mg/kg	0.077	0.0073	1	08/16/11 12:17	08/17/11 14:51	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.077	0.0082	1	08/16/11 12:17	08/17/11 14:51	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.077	0.0097	1	08/16/11 12:17	08/17/11 14:51	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.077	0.018	1	08/16/11 12:17	08/17/11 14:51	56-23-5	
Chlorobenzene	ND	mg/kg	0.077	0.017	1	08/16/11 12:17	08/17/11 14:51	108-90-7	
Chloroethane	ND	mg/kg	0.77	0.19	1	08/16/11 12:17	08/17/11 14:51	75-00-3	
Chloroform	ND	mg/kg	0.077	0.017	1	08/16/11 12:17	08/17/11 14:51	67-66-3	
Chloromethane	ND	mg/kg	0.31	0.051	1	08/16/11 12:17	08/17/11 14:51	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.077	0.010	1	08/16/11 12:17	08/17/11 14:51	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.077	0.010	1	08/16/11 12:17	08/17/11 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.31	0.058	1	08/16/11 12:17	08/17/11 14:51	96-12-8	
Dibromochloromethane	ND	mg/kg	0.077	0.016	1	08/16/11 12:17	08/17/11 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.077	0.024	1	08/16/11 12:17	08/17/11 14:51	106-93-4	
Dibromomethane	ND	mg/kg	0.077	0.031	1	08/16/11 12:17	08/17/11 14:51	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.077	0.024	1	08/16/11 12:17	08/17/11 14:51	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.077	0.0098	1	08/16/11 12:17	08/17/11 14:51	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.077	0.014	1	08/16/11 12:17	08/17/11 14:51	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.077	0.023	1	08/16/11 12:17	08/17/11 14:51	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.077	0.026	1	08/16/11 12:17	08/17/11 14:51	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.077	0.020	1	08/16/11 12:17	08/17/11 14:51	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.077	0.039	1	08/16/11 12:17	08/17/11 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.077	0.026	1	08/16/11 12:17	08/17/11 14:51	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.077	0.022	1	08/16/11 12:17	08/17/11 14:51	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.77	0.040	1	08/16/11 12:17	08/17/11 14:51	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.077	0.034	1	08/16/11 12:17	08/17/11 14:51	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.077	0.013	1	08/16/11 12:17	08/17/11 14:51	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.31	0.031	1	08/16/11 12:17	08/17/11 14:51	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.077	0.017	1	08/16/11 12:17	08/17/11 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.077	0.013	1	08/16/11 12:17	08/17/11 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.077	0.014	1	08/16/11 12:17	08/17/11 14:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.31	0.051	1	08/16/11 12:17	08/17/11 14:51	60-29-7	
Ethylbenzene	ND	mg/kg	0.077	0.0043	1	08/16/11 12:17	08/17/11 14:51	100-41-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-31-8 **Lab ID: 10166418002** Collected: 08/12/11 08:30 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Hexachloro-1,3-butadiene	ND	mg/kg	0.38	0.0087	1	08/16/11 12:17	08/17/11 14:51	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.077	0.0097	1	08/16/11 12:17	08/17/11 14:51	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.077	0.013	1	08/16/11 12:17	08/17/11 14:51	99-87-6	
Methylene Chloride	ND	mg/kg	0.31	0.15	1	08/16/11 12:17	08/17/11 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.77	0.38	1	08/16/11 12:17	08/17/11 14:51	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.077	0.026	1	08/16/11 12:17	08/17/11 14:51	1634-04-4	
Naphthalene	**0.82**	mg/kg	0.31	0.013	1	08/16/11 12:17	08/17/11 14:51	91-20-3	
n-Propylbenzene	ND	mg/kg	0.077	0.0061	1	08/16/11 12:17	08/17/11 14:51	103-65-1	
Styrene	ND	mg/kg	0.077	0.0097	1	08/16/11 12:17	08/17/11 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.077	0.019	1	08/16/11 12:17	08/17/11 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.077	0.018	1	08/16/11 12:17	08/17/11 14:51	79-34-5	
Tetrachloroethene	ND	mg/kg	0.077	0.020	1	08/16/11 12:17	08/17/11 14:51	127-18-4	
Tetrahydrofuran	ND	mg/kg	3.1	0.23	1	08/16/11 12:17	08/17/11 14:51	109-99-9	
Toluene	**0.17**	mg/kg	0.077	0.012	1	08/16/11 12:17	08/17/11 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.077	0.022	1	08/16/11 12:17	08/17/11 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.077	0.017	1	08/16/11 12:17	08/17/11 14:51	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.077	0.010	1	08/16/11 12:17	08/17/11 14:51	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.077	0.033	1	08/16/11 12:17	08/17/11 14:51	79-00-5	
Trichloroethene	ND	mg/kg	0.077	0.025	1	08/16/11 12:17	08/17/11 14:51	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.31	0.038	1	08/16/11 12:17	08/17/11 14:51	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.31	0.024	1	08/16/11 12:17	08/17/11 14:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.077	0.031	1	08/16/11 12:17	08/17/11 14:51	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.077	0.011	1	08/16/11 12:17	08/17/11 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.077	0.010	1	08/16/11 12:17	08/17/11 14:51	108-67-8	
Vinyl chloride	ND	mg/kg	0.031	0.014	1	08/16/11 12:17	08/17/11 14:51	75-01-4	
Xylene (Total)	ND	mg/kg	0.23	0.042	1	08/16/11 12:17	08/17/11 14:51	1330-20-7	
Dibromofluoromethane (S)	87	%	30-150		1	08/16/11 12:17	08/17/11 14:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	30-150		1	08/16/11 12:17	08/17/11 14:51	17060-07-0	
Toluene-d8 (S)	80	%	30-150		1	08/16/11 12:17	08/17/11 14:51	2037-26-5	
4-Bromofluorobenzene (S)	83	%	30-150		1	08/16/11 12:17	08/17/11 14:51	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8 **Lab ID: 10166418004** Collected: 08/12/11 09:15 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/kg	9.3	0.61	1	08/16/11 14:21	08/17/11 20:35		
n-Triacontane (S)	74	%	50-150		1	08/16/11 14:21	08/17/11 20:35		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	5.7	2.5	1	08/16/11 14:01	08/18/11 23:43		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1	08/16/11 14:01	08/18/11 23:43	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.0**	mg/kg	0.45	0.23	1	08/16/11 11:50	08/16/11 19:03	7440-38-2	
Barium	**17.5**	mg/kg	0.45	0.018	1	08/16/11 11:50	08/16/11 19:03	7440-39-3	
Cadmium	**0.084**	mg/kg	0.045	0.0090	1	08/16/11 11:50	08/16/11 19:03	7440-43-9	
Chromium	**10.1**	mg/kg	0.45	0.063	1	08/16/11 11:50	08/16/11 19:03	7440-47-3	
Lead	**10.1**	mg/kg	0.27	0.045	1	08/16/11 11:50	08/16/11 19:03	7439-92-1	
Selenium	ND	mg/kg	0.68	0.12	1	08/16/11 11:50	08/16/11 19:03	7782-49-2	
Silver	ND	mg/kg	0.45	0.027	1	08/16/11 11:50	08/16/11 19:03	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.019	0.0015	1	08/16/11 08:17	08/17/11 10:51	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**11.4**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	83-32-9	
Acenaphthylene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	208-96-8	
Anthracene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	101-55-3	
Butylbenzylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	85-68-7	
Carbazole	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	59-50-7	
4-Chloroaniline	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/19/11 20:59	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/19/11 20:59	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	91-58-7	
2-Chlorophenol	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:59	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	7005-72-3	
Chrysene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	53-70-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8 **Lab ID: 10166418004** Collected: 08/12/11 09:15 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Dibenzofuran	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	0.37	0.069	1	08/17/11 07:37	08/19/11 20:59	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/19/11 20:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:59	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.76	0.38	1	08/17/11 07:37	08/19/11 20:59	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	120-83-2	
Diethylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	105-67-9	
Dimethylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	131-11-3	
Di-n-butylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	606-20-2	
Di-n-octylphthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	117-81-7	
Fluoranthene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	206-44-0	
Fluorene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	0.37	0.072	1	08/17/11 07:37	08/19/11 20:59	87-68-3	
Hexachlorobenzene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	118-74-1	
Hexachloroethane	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	193-39-5	
Isophorone	ND	mg/kg	0.37	0.064	1	08/17/11 07:37	08/19/11 20:59	78-59-1	
1-Methylnaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	0.37	0.057	1	08/17/11 07:37	08/19/11 20:59	95-48-7	
3&4-Methylphenol	ND	mg/kg	0.75	0.37	1	08/17/11 07:37	08/19/11 20:59		
Naphthalene	ND	mg/kg	0.37	0.066	1	08/17/11 07:37	08/19/11 20:59	91-20-3	
2-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	88-74-4	
3-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	99-09-2	
4-Nitroaniline	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	100-01-6	
Nitrobenzene	ND	mg/kg	0.37	0.073	1	08/17/11 07:37	08/19/11 20:59	98-95-3	
2-Nitrophenol	ND	mg/kg	0.37	0.068	1	08/17/11 07:37	08/19/11 20:59	88-75-5	
4-Nitrophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	0.37	0.062	1	08/17/11 07:37	08/19/11 20:59	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.37	0.061	1	08/17/11 07:37	08/19/11 20:59	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	86-30-6	
Pentachlorophenol	ND	mg/kg	0.76	0.38	1	08/17/11 07:37	08/19/11 20:59	87-86-5	
Phenanthrene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	85-01-8	
Phenol	ND	mg/kg	0.37	0.065	1	08/17/11 07:37	08/19/11 20:59	108-95-2	
Pyrene	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	0.37	0.067	1	08/17/11 07:37	08/19/11 20:59	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.96	1	08/17/11 07:37	08/19/11 20:59	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	0.37	0.19	1	08/17/11 07:37	08/19/11 20:59	88-06-2	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8 **Lab ID: 10166418004** Collected: 08/12/11 09:15 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Nitrobenzene-d5 (S)	76	%	50-120		1	08/17/11 07:37	08/19/11 20:59	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-150		1	08/17/11 07:37	08/19/11 20:59	321-60-8	
Terphenyl-d14 (S)	92	%	30-150		1	08/17/11 07:37	08/19/11 20:59	1718-51-0	
Phenol-d6 (S)	75	%	30-149		1	08/17/11 07:37	08/19/11 20:59	13127-88-3	
2-Fluorophenol (S)	76	%	30-147		1	08/17/11 07:37	08/19/11 20:59	367-12-4	
2,4,6-Tribromophenol (S)	86	%	30-150		1	08/17/11 07:37	08/19/11 20:59	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 13:50	67-64-1	
Allyl chloride	ND	mg/kg	0.23	0.076	1	08/16/11 12:17	08/17/11 13:50	107-05-1	
Benzene	ND	mg/kg	0.023	0.011	1	08/16/11 12:17	08/17/11 13:50	71-43-2	
Bromobenzene	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 13:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.058	0.027	1	08/16/11 12:17	08/17/11 13:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 13:50	75-27-4	
Bromoform	ND	mg/kg	0.23	0.058	1	08/16/11 12:17	08/17/11 13:50	75-25-2	
Bromomethane	ND	mg/kg	0.58	0.088	1	08/16/11 12:17	08/17/11 13:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 13:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.058	0.0055	1	08/16/11 12:17	08/17/11 13:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.058	0.0062	1	08/16/11 12:17	08/17/11 13:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 13:50	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 13:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 13:50	108-90-7	
Chloroethane	ND	mg/kg	0.58	0.14	1	08/16/11 12:17	08/17/11 13:50	75-00-3	
Chloroform	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 13:50	67-66-3	
Chloromethane	ND	mg/kg	0.23	0.039	1	08/16/11 12:17	08/17/11 13:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.058	0.0079	1	08/16/11 12:17	08/17/11 13:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.058	0.0078	1	08/16/11 12:17	08/17/11 13:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.23	0.044	1	08/16/11 12:17	08/17/11 13:50	96-12-8	
Dibromochloromethane	ND	mg/kg	0.058	0.012	1	08/16/11 12:17	08/17/11 13:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 13:50	106-93-4	
Dibromomethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 13:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 13:50	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.058	0.0074	1	08/16/11 12:17	08/17/11 13:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 13:50	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.058	0.018	1	08/16/11 12:17	08/17/11 13:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.058	0.020	1	08/16/11 12:17	08/17/11 13:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.058	0.015	1	08/16/11 12:17	08/17/11 13:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.058	0.029	1	08/16/11 12:17	08/17/11 13:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 13:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.058	0.016	1	08/16/11 12:17	08/17/11 13:50	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.58	0.030	1	08/16/11 12:17	08/17/11 13:50	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.058	0.025	1	08/16/11 12:17	08/17/11 13:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.058	0.0096	1	08/16/11 12:17	08/17/11 13:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.23	0.023	1	08/16/11 12:17	08/17/11 13:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 13:50	563-58-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8 **Lab ID: 10166418004** Collected: 08/12/11 09:15 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
cis-1,3-Dichloropropene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 13:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.058	0.011	1	08/16/11 12:17	08/17/11 13:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.23	0.039	1	08/16/11 12:17	08/17/11 13:50	60-29-7	
Ethylbenzene	ND	mg/kg	0.058	0.0032	1	08/16/11 12:17	08/17/11 13:50	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.29	0.0066	1	08/16/11 12:17	08/17/11 13:50	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 13:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.058	0.010	1	08/16/11 12:17	08/17/11 13:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.23	0.12	1	08/16/11 12:17	08/17/11 13:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.58	0.29	1	08/16/11 12:17	08/17/11 13:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 13:50	1634-04-4	
Naphthalene	ND	mg/kg	0.23	0.0099	1	08/16/11 12:17	08/17/11 13:50	91-20-3	
n-Propylbenzene	ND	mg/kg	0.058	0.0046	1	08/16/11 12:17	08/17/11 13:50	103-65-1	
Styrene	ND	mg/kg	0.058	0.0073	1	08/16/11 12:17	08/17/11 13:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 13:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.058	0.014	1	08/16/11 12:17	08/17/11 13:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.058	0.015	1	08/16/11 12:17	08/17/11 13:50	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.3	0.17	1	08/16/11 12:17	08/17/11 13:50	109-99-9	
Toluene	ND	mg/kg	0.058	0.0087	1	08/16/11 12:17	08/17/11 13:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.058	0.016	1	08/16/11 12:17	08/17/11 13:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.058	0.013	1	08/16/11 12:17	08/17/11 13:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.058	0.0075	1	08/16/11 12:17	08/17/11 13:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.058	0.025	1	08/16/11 12:17	08/17/11 13:50	79-00-5	
Trichloroethene	ND	mg/kg	0.058	0.019	1	08/16/11 12:17	08/17/11 13:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.23	0.029	1	08/16/11 12:17	08/17/11 13:50	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.23	0.018	1	08/16/11 12:17	08/17/11 13:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.058	0.023	1	08/16/11 12:17	08/17/11 13:50	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.058	0.0085	1	08/16/11 12:17	08/17/11 13:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.058	0.0077	1	08/16/11 12:17	08/17/11 13:50	108-67-8	
Vinyl chloride	ND	mg/kg	0.023	0.011	1	08/16/11 12:17	08/17/11 13:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.17	0.031	1	08/16/11 12:17	08/17/11 13:50	1330-20-7	
Dibromofluoromethane (S)	104	%	30-150		1	08/16/11 12:17	08/17/11 13:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	30-150		1	08/16/11 12:17	08/17/11 13:50	17060-07-0	
Toluene-d8 (S)	88	%	30-150		1	08/16/11 12:17	08/17/11 13:50	2037-26-5	
4-Bromofluorobenzene (S)	94	%	30-150		1	08/16/11 12:17	08/17/11 13:50	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/kg	0.16	0.076	1		08/17/11 19:33	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8W **Lab ID: 10166418005** Collected: 08/12/11 09:25 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	111-44-4	
2-Chlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.6	1.6	1	08/17/11 10:47	08/19/11 20:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.6	1.3	1	08/17/11 10:47	08/19/11 20:07	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	108-60-1	
3&4-Methylphenol	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 20:07		
N-Nitroso-di-n-propylamine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	621-64-7	
Hexachloroethane	ND	ug/L	10.6	1.6	1	08/17/11 10:47	08/19/11 20:07	67-72-1	
Nitrobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	98-95-3	
Isophorone	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	78-59-1	
2-Nitrophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	88-75-5	
2,4-Dimethylphenol	**52.4**	ug/L	10.6	4.5	1	08/17/11 10:47	08/19/11 20:07	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	120-82-1	
Naphthalene	**8770**	ug/L	1060	532	100	08/17/11 10:47	08/22/11 09:56	91-20-3	
4-Chloroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	59-50-7	
2-Methylnaphthalene	**275**	ug/L	53.2	26.6	5	08/17/11 10:47	08/20/11 15:35	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	91-58-7	
2-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	88-74-4	
Dimethylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	131-11-3	
Acenaphthylene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	606-20-2	
3-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	99-09-2	
Acenaphthene	**341**	ug/L	53.2	26.6	5	08/17/11 10:47	08/20/11 15:35	83-32-9	
2,4-Dinitrophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	51-28-5	
4-Nitrophenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	100-02-7	
Dibenzofuran	**129**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	121-14-2	
Diethylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	7005-72-3	
Fluorene	**38.8**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	86-73-7	
4-Nitroaniline	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.2	26.6	1	08/17/11 10:47	08/19/11 20:07	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	101-55-3	
Hexachlorobenzene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	118-74-1	
Pentachlorophenol	ND	ug/L	24.5	12.2	1	08/17/11 10:47	08/19/11 20:07	87-86-5	
Phenanthrene	**69.7**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8W **Lab ID: 10166418005** Collected: 08/12/11 09:25 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Anthracene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	84-74-2	
Fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	206-44-0	
Pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 20:07	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	56-55-3	
Chrysene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.3	10.6	1	08/17/11 10:47	08/19/11 20:07	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.6	3.3	1	08/17/11 10:47	08/19/11 20:07	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	122-66-7	
Carbazole	**46.0**	ug/L	10.6	5.3	1	08/17/11 10:47	08/19/11 20:07	86-74-8	
1-Methylnaphthalene	**537**	ug/L	53.2	26.6	5	08/17/11 10:47	08/20/11 15:35	90-12-0	
Nitrobenzene-d5 (S)	64	%	30-150		1	08/17/11 10:47	08/19/11 20:07	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-150		1	08/17/11 10:47	08/19/11 20:07	321-60-8	
Terphenyl-d14 (S)	95	%	30-150		1	08/17/11 10:47	08/19/11 20:07	1718-51-0	
Phenol-d6 (S)	89	%	30-150		1	08/17/11 10:47	08/19/11 20:07	13127-88-3	
2-Fluorophenol (S)	83	%	30-148		1	08/17/11 10:47	08/19/11 20:07	367-12-4	
2,4,6-Tribromophenol (S)	104	%	30-150		1	08/17/11 10:47	08/19/11 20:07	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/19/11 10:49	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/19/11 10:49	107-05-1	L3
Benzene	**99.3**	ug/L	1.0	0.36	1		08/19/11 10:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/19/11 10:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/19/11 10:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/19/11 10:49	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/19/11 10:49	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/19/11 10:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/19/11 10:49	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/19/11 10:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/19/11 10:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/19/11 10:49	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/19/11 10:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 10:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/19/11 10:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/19/11 10:49	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/19/11 10:49	74-87-3	L3
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/19/11 10:49	95-49-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8W **Lab ID: 10166418005** Collected: 08/12/11 09:25 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/19/11 10:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/19/11 10:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/19/11 10:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/19/11 10:49	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/19/11 10:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/19/11 10:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/19/11 10:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/19/11 10:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/19/11 10:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/19/11 10:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/19/11 10:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 10:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/19/11 10:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/19/11 10:49	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/19/11 10:49	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/19/11 10:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/19/11 10:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/19/11 10:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/19/11 10:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/19/11 10:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/19/11 10:49	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/19/11 10:49	60-29-7	
Ethylbenzene	**169**	ug/L	1.0	0.38	1		08/19/11 10:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/19/11 10:49	87-68-3	
Isopropylbenzene (Cumene)	**24.1**	ug/L	1.0	0.36	1		08/19/11 10:49	98-82-8	
p-Isopropyltoluene	**5.1**	ug/L	1.0	0.36	1		08/19/11 10:49	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/19/11 10:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/19/11 10:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/19/11 10:49	1634-04-4	
Naphthalene	**8700**	ug/L	200	28.5	50		08/19/11 12:58	91-20-3	
n-Propylbenzene	**8.1**	ug/L	1.0	0.42	1		08/19/11 10:49	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/19/11 10:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/19/11 10:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/19/11 10:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/19/11 10:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/19/11 10:49	109-99-9	
Toluene	**15.3**	ug/L	1.0	0.39	1		08/19/11 10:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/19/11 10:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 10:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/19/11 10:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/19/11 10:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/19/11 10:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/19/11 10:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/19/11 10:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/19/11 10:49	76-13-1	
1,2,4-Trimethylbenzene	**172**	ug/L	1.0	0.26	1		08/19/11 10:49	95-63-6	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-32-8W **Lab ID: 10166418005** Collected: 08/12/11 09:25 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**58.8**	ug/L	1.0	0.38	1		08/19/11 10:49	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/19/11 10:49	75-01-4	
Xylene (Total)	**330**	ug/L	3.0	1.1	1		08/19/11 10:49	1330-20-7	
m&p-Xylene	**209**	ug/L	2.0	0.66	1		08/19/11 10:49	179601-23-1	
o-Xylene	**121**	ug/L	1.0	0.46	1		08/19/11 10:49	95-47-6	
Dibromofluoromethane (S)	107	%	75-125		1		08/19/11 10:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	75-125		1		08/19/11 10:49	17060-07-0	
Toluene-d8 (S)	101	%	75-125		1		08/19/11 10:49	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125		1		08/19/11 10:49	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-3 **Lab ID: 10166418006** Collected: 08/12/11 10:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.9**	mg/kg	0.49	0.24	1	08/16/11 11:50	08/16/11 19:08	7440-38-2	
Barium	**50.7**	mg/kg	0.49	0.019	1	08/16/11 11:50	08/16/11 19:08	7440-39-3	
Cadmium	**0.29**	mg/kg	0.049	0.0097	1	08/16/11 11:50	08/16/11 19:08	7440-43-9	
Chromium	**10.5**	mg/kg	0.49	0.068	1	08/16/11 11:50	08/16/11 19:08	7440-47-3	
Lead	**64.2**	mg/kg	0.29	0.049	1	08/16/11 11:50	08/16/11 19:08	7439-92-1	
Selenium	ND	mg/kg	0.73	0.13	1	08/16/11 11:50	08/16/11 19:08	7782-49-2	
Silver	ND	mg/kg	0.49	0.029	1	08/16/11 11:50	08/16/11 19:08	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.058**	mg/kg	0.019	0.0015	1	08/16/11 08:17	08/17/11 10:53	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**5.8**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	83-32-9	
Acenaphthylene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	208-96-8	
Anthracene	**11.4**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	120-12-7	
Benzo(a)anthracene	**17.0**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	56-55-3	
Benzo(a)pyrene	**16.3**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	50-32-8	
Benzo(b)fluoranthene	**22.8**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	205-99-2	
Benzo(g,h,i)perylene	**12.8**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	191-24-2	
Benzo(k)fluoranthene	**8.0**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	101-55-3	
Butylbenzylphthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	85-68-7	
Carbazole	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	59-50-7	
4-Chloroaniline	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	7.0	1.3	20	08/17/11 07:37	08/20/11 15:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	108-60-1	
2-Chloronaphthalene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	91-58-7	
2-Chlorophenol	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	7005-72-3	
Chrysene	**19.4**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	53-70-3	
Dibenzofuran	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	7.0	1.3	20	08/17/11 07:37	08/20/11 15:52	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	14.1	7.1	20	08/17/11 07:37	08/20/11 15:52	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	120-83-2	
Diethylphthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	105-67-9	
Dimethylphthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	131-11-3	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-3 **Lab ID: 10166418006** Collected: 08/12/11 10:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Di-n-butylphthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	606-20-2	
Di-n-octylphthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	117-81-7	
Fluoranthene	**53.2**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	206-44-0	
Fluorene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	7.0	1.4	20	08/17/11 07:37	08/20/11 15:52	87-68-3	
Hexachlorobenzene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	118-74-1	
Hexachloroethane	ND	mg/kg	7.0	1.3	20	08/17/11 07:37	08/20/11 15:52	67-72-1	
Indeno(1,2,3-cd)pyrene	**10.5**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	193-39-5	
Isophorone	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	78-59-1	
1-Methylnaphthalene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	90-12-0	
2-Methylnaphthalene	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	7.0	1.1	20	08/17/11 07:37	08/20/11 15:52	95-48-7	
3&4-Methylphenol	ND	mg/kg	13.9	7.0	20	08/17/11 07:37	08/20/11 15:52		
Naphthalene	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	91-20-3	
2-Nitroaniline	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	88-74-4	
3-Nitroaniline	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	99-09-2	
4-Nitroaniline	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	100-01-6	
Nitrobenzene	ND	mg/kg	7.0	1.4	20	08/17/11 07:37	08/20/11 15:52	98-95-3	
2-Nitrophenol	ND	mg/kg	7.0	1.3	20	08/17/11 07:37	08/20/11 15:52	88-75-5	
4-Nitrophenol	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	7.0	1.1	20	08/17/11 07:37	08/20/11 15:52	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	86-30-6	
Pentachlorophenol	ND	mg/kg	14.1	7.1	20	08/17/11 07:37	08/20/11 15:52	87-86-5	
Phenanthrene	**50.8**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	85-01-8	
Phenol	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	108-95-2	
Pyrene	**40.9**	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	7.0	1.2	20	08/17/11 07:37	08/20/11 15:52	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	35.9	17.9	20	08/17/11 07:37	08/20/11 15:52	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	7.0	3.5	20	08/17/11 07:37	08/20/11 15:52	88-06-2	
Nitrobenzene-d5 (S)	72	%	50-120		20	08/17/11 07:37	08/20/11 15:52	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-150		20	08/17/11 07:37	08/20/11 15:52	321-60-8	
Terphenyl-d14 (S)	82	%	30-150		20	08/17/11 07:37	08/20/11 15:52	1718-51-0	
Phenol-d6 (S)	73	%	30-149		20	08/17/11 07:37	08/20/11 15:52	13127-88-3	
2-Fluorophenol (S)	74	%	30-147		20	08/17/11 07:37	08/20/11 15:52	367-12-4	
2,4,6-Tribromophenol (S)	76	%	30-150		20	08/17/11 07:37	08/20/11 15:52	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 14:10	67-64-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-3 **Lab ID: 10166418006** Collected: 08/12/11 10:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Allyl chloride	ND	mg/kg	0.21	0.069	1	08/16/11 12:17	08/17/11 14:10	107-05-1	
Benzene	ND	mg/kg	0.021	0.010	1	08/16/11 12:17	08/17/11 14:10	71-43-2	
Bromobenzene	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 14:10	108-86-1	
Bromochloromethane	ND	mg/kg	0.053	0.024	1	08/16/11 12:17	08/17/11 14:10	74-97-5	
Bromodichloromethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 14:10	75-27-4	
Bromoform	ND	mg/kg	0.21	0.052	1	08/16/11 12:17	08/17/11 14:10	75-25-2	
Bromomethane	ND	mg/kg	0.53	0.080	1	08/16/11 12:17	08/17/11 14:10	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 14:10	78-93-3	
n-Butylbenzene	ND	mg/kg	0.053	0.0050	1	08/16/11 12:17	08/17/11 14:10	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.053	0.0056	1	08/16/11 12:17	08/17/11 14:10	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 14:10	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	56-23-5	
Chlorobenzene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	108-90-7	
Chloroethane	ND	mg/kg	0.53	0.13	1	08/16/11 12:17	08/17/11 14:10	75-00-3	
Chloroform	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	67-66-3	
Chloromethane	ND	mg/kg	0.21	0.035	1	08/16/11 12:17	08/17/11 14:10	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.053	0.0072	1	08/16/11 12:17	08/17/11 14:10	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.053	0.0071	1	08/16/11 12:17	08/17/11 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.21	0.040	1	08/16/11 12:17	08/17/11 14:10	96-12-8	
Dibromochloromethane	ND	mg/kg	0.053	0.011	1	08/16/11 12:17	08/17/11 14:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 14:10	106-93-4	
Dibromomethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 14:10	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 14:10	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 14:10	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.053	0.0094	1	08/16/11 12:17	08/17/11 14:10	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.053	0.016	1	08/16/11 12:17	08/17/11 14:10	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 14:10	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.053	0.013	1	08/16/11 12:17	08/17/11 14:10	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.053	0.027	1	08/16/11 12:17	08/17/11 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.053	0.015	1	08/16/11 12:17	08/17/11 14:10	156-60-5	
Dichlorofluoromethane	ND	mg/kg	0.53	0.028	1	08/16/11 12:17	08/17/11 14:10	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.053	0.023	1	08/16/11 12:17	08/17/11 14:10	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.053	0.0088	1	08/16/11 12:17	08/17/11 14:10	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.21	0.021	1	08/16/11 12:17	08/17/11 14:10	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.053	0.0092	1	08/16/11 12:17	08/17/11 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.053	0.0098	1	08/16/11 12:17	08/17/11 14:10	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.21	0.035	1	08/16/11 12:17	08/17/11 14:10	60-29-7	
Ethylbenzene	ND	mg/kg	0.053	0.0029	1	08/16/11 12:17	08/17/11 14:10	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	0.0060	1	08/16/11 12:17	08/17/11 14:10	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 14:10	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.053	0.0091	1	08/16/11 12:17	08/17/11 14:10	99-87-6	
Methylene Chloride	ND	mg/kg	0.21	0.11	1	08/16/11 12:17	08/17/11 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.53	0.26	1	08/16/11 12:17	08/17/11 14:10	108-10-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-3 **Lab ID: 10166418006** Collected: 08/12/11 10:00 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Methyl-tert-butyl ether	ND	mg/kg	0.053	0.018	1	08/16/11 12:17	08/17/11 14:10	1634-04-4	
Naphthalene	**0.31**	mg/kg	0.21	0.0090	1	08/16/11 12:17	08/17/11 14:10	91-20-3	
n-Propylbenzene	ND	mg/kg	0.053	0.0042	1	08/16/11 12:17	08/17/11 14:10	103-65-1	
Styrene	ND	mg/kg	0.053	0.0067	1	08/16/11 12:17	08/17/11 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.053	0.013	1	08/16/11 12:17	08/17/11 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	79-34-5	
Tetrachloroethene	ND	mg/kg	0.053	0.014	1	08/16/11 12:17	08/17/11 14:10	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.1	0.16	1	08/16/11 12:17	08/17/11 14:10	109-99-9	
Toluene	ND	mg/kg	0.053	0.0080	1	08/16/11 12:17	08/17/11 14:10	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.053	0.015	1	08/16/11 12:17	08/17/11 14:10	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.053	0.012	1	08/16/11 12:17	08/17/11 14:10	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.053	0.0068	1	08/16/11 12:17	08/17/11 14:10	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.053	0.023	1	08/16/11 12:17	08/17/11 14:10	79-00-5	
Trichloroethene	ND	mg/kg	0.053	0.017	1	08/16/11 12:17	08/17/11 14:10	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.21	0.026	1	08/16/11 12:17	08/17/11 14:10	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.21	0.017	1	08/16/11 12:17	08/17/11 14:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.053	0.021	1	08/16/11 12:17	08/17/11 14:10	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.053	0.0078	1	08/16/11 12:17	08/17/11 14:10	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.053	0.0070	1	08/16/11 12:17	08/17/11 14:10	108-67-8	
Vinyl chloride	ND	mg/kg	0.021	0.0098	1	08/16/11 12:17	08/17/11 14:10	75-01-4	
Xylene (Total)	ND	mg/kg	0.16	0.029	1	08/16/11 12:17	08/17/11 14:10	1330-20-7	
Dibromofluoromethane (S)	100	%	30-150		1	08/16/11 12:17	08/17/11 14:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	30-150		1	08/16/11 12:17	08/17/11 14:10	17060-07-0	
Toluene-d8 (S)	87	%	30-150		1	08/16/11 12:17	08/17/11 14:10	2037-26-5	
4-Bromofluorobenzene (S)	91	%	30-150		1	08/16/11 12:17	08/17/11 14:10	460-00-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8 **Lab ID: 10166418007** Collected: 08/12/11 10:20 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**146**	mg/kg	11.8	0.77	1	08/16/11 14:21	08/17/11 21:52		T6
n-Triacontane (S)	179	%	50-150		1	08/16/11 14:21	08/17/11 21:52		2M,G2, S5
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	ND	mg/kg	6.0	2.6	1	08/16/11 14:01	08/19/11 00:05		
a,a,a-Trifluorotoluene (S)	101	%	80-125		1	08/16/11 14:01	08/19/11 00:05	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.9**	mg/kg	0.53	0.26	1	08/16/11 11:50	08/16/11 19:15	7440-38-2	
Barium	**41.7**	mg/kg	0.53	0.021	1	08/16/11 11:50	08/16/11 19:15	7440-39-3	
Cadmium	**0.71**	mg/kg	0.053	0.011	1	08/16/11 11:50	08/16/11 19:15	7440-43-9	
Chromium	**10.1**	mg/kg	0.53	0.074	1	08/16/11 11:50	08/16/11 19:15	7440-47-3	
Lead	**134**	mg/kg	0.32	0.053	1	08/16/11 11:50	08/16/11 19:15	7439-92-1	M1
Selenium	**1.9**	mg/kg	0.79	0.14	1	08/16/11 11:50	08/16/11 19:15	7782-49-2	
Silver	ND	mg/kg	0.53	0.032	1	08/16/11 11:50	08/16/11 19:15	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 09/01/11 13:02								
Lead	**0.21**	mg/L	0.015	0.0075	5	09/01/11 14:39	09/02/11 09:38	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.079**	mg/kg	0.023	0.0018	1	08/16/11 08:17	08/17/11 10:59	7439-97-6	
Dry Weight	Analytical Method: % Moisture								
Percent Moisture	**13.3**	%	0.10	0.10	1		08/18/11 00:00		
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Acenaphthene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	83-32-9	
Acenaphthylene	**4.5**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	208-96-8	
Anthracene	**7.2**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	120-12-7	
Benzo(a)anthracene	**19.6**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	56-55-3	
Benzo(a)pyrene	**22.8**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	50-32-8	
Benzo(b)fluoranthene	**34.4**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	205-99-2	
Benzo(g,h,i)perylene	**26.8**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	191-24-2	
Benzo(k)fluoranthene	**12.2**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	207-08-9	
4-Bromophenylphenyl ether	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	101-55-3	
Butylbenzylphthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	85-68-7	
Carbazole	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	86-74-8	
4-Chloro-3-methylphenol	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	59-50-7	
4-Chloroaniline	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	mg/kg	3.8	0.66	10	08/17/11 07:37	08/20/11 15:24	111-91-1	
bis(2-Chloroethyl) ether	ND	mg/kg	3.8	0.69	10	08/17/11 07:37	08/20/11 15:24	111-44-4	
bis(2-Chloroisopropyl) ether	ND	mg/kg	3.8	0.66	10	08/17/11 07:37	08/20/11 15:24	108-60-1	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8 **Lab ID: 10166418007** Collected: 08/12/11 10:20 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
2-Chloronaphthalene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	91-58-7	
2-Chlorophenol	ND	mg/kg	3.8	0.67	10	08/17/11 07:37	08/20/11 15:24	95-57-8	
4-Chlorophenylphenyl ether	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	7005-72-3	
Chrysene	**23.8**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	53-70-3	
Dibenzofuran	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	132-64-9	
1,2-Dichlorobenzene	ND	mg/kg	3.8	0.70	10	08/17/11 07:37	08/20/11 15:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	3.8	0.65	10	08/17/11 07:37	08/20/11 15:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	3.8	0.67	10	08/17/11 07:37	08/20/11 15:24	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	7.7	3.8	10	08/17/11 07:37	08/20/11 15:24	91-94-1	
2,4-Dichlorophenol	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	120-83-2	
Diethylphthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	84-66-2	
2,4-Dimethylphenol	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	105-67-9	
Dimethylphthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	131-11-3	
Di-n-butylphthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	534-52-1	
2,4-Dinitrophenol	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	51-28-5	
2,4-Dinitrotoluene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	606-20-2	
Di-n-octylphthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	117-84-0	
1,2-Diphenylhydrazine	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	117-81-7	
Fluoranthene	**39.5**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	206-44-0	
Fluorene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	86-73-7	
Hexachloro-1,3-butadiene	ND	mg/kg	3.8	0.74	10	08/17/11 07:37	08/20/11 15:24	87-68-3	
Hexachlorobenzene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	118-74-1	
Hexachloroethane	ND	mg/kg	3.8	0.69	10	08/17/11 07:37	08/20/11 15:24	67-72-1	
Indeno(1,2,3-cd)pyrene	**18.7**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	193-39-5	
Isophorone	ND	mg/kg	3.8	0.65	10	08/17/11 07:37	08/20/11 15:24	78-59-1	
1-Methylnaphthalene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	90-12-0	
2-Methylnaphthalene	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	mg/kg	3.8	0.58	10	08/17/11 07:37	08/20/11 15:24	95-48-7	
3&4-Methylphenol	ND	mg/kg	7.6	3.8	10	08/17/11 07:37	08/20/11 15:24		
Naphthalene	ND	mg/kg	3.8	0.67	10	08/17/11 07:37	08/20/11 15:24	91-20-3	
2-Nitroaniline	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	88-74-4	
3-Nitroaniline	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	99-09-2	
4-Nitroaniline	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	100-01-6	
Nitrobenzene	ND	mg/kg	3.8	0.74	10	08/17/11 07:37	08/20/11 15:24	98-95-3	
2-Nitrophenol	ND	mg/kg	3.8	0.69	10	08/17/11 07:37	08/20/11 15:24	88-75-5	
4-Nitrophenol	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	100-02-7	
N-Nitrosodimethylamine	ND	mg/kg	3.8	0.64	10	08/17/11 07:37	08/20/11 15:24	62-75-9	
N-Nitroso-di-n-propylamine	ND	mg/kg	3.8	0.63	10	08/17/11 07:37	08/20/11 15:24	621-64-7	
N-Nitrosodiphenylamine	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	86-30-6	
Pentachlorophenol	ND	mg/kg	7.7	3.8	10	08/17/11 07:37	08/20/11 15:24	87-86-5	
Phenanthrene	**14.4**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	85-01-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8 **Lab ID: 10166418007** Collected: 08/12/11 10:20 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3550								
Phenol	ND	mg/kg	3.8	0.67	10	08/17/11 07:37	08/20/11 15:24	108-95-2	
Pyrene	**31.2**	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	129-00-0	
1,2,4-Trichlorobenzene	ND	mg/kg	3.8	0.68	10	08/17/11 07:37	08/20/11 15:24	120-82-1	
2,4,5-Trichlorophenol	ND	mg/kg	19.5	9.8	10	08/17/11 07:37	08/20/11 15:24	95-95-4	
2,4,6-Trichlorophenol	ND	mg/kg	3.8	1.9	10	08/17/11 07:37	08/20/11 15:24	88-06-2	
Nitrobenzene-d5 (S)	83	%	50-120		10	08/17/11 07:37	08/20/11 15:24	4165-60-0	
2-Fluorobiphenyl (S)	87	%	30-150		10	08/17/11 07:37	08/20/11 15:24	321-60-8	
Terphenyl-d14 (S)	89	%	30-150		10	08/17/11 07:37	08/20/11 15:24	1718-51-0	
Phenol-d6 (S)	84	%	30-149		10	08/17/11 07:37	08/20/11 15:24	13127-88-3	
2-Fluorophenol (S)	83	%	30-147		10	08/17/11 07:37	08/20/11 15:24	367-12-4	
2,4,6-Tribromophenol (S)	90	%	30-150		10	08/17/11 07:37	08/20/11 15:24	118-79-6	
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	mg/kg	0.59	0.30	1	08/16/11 12:17	08/17/11 14:31	67-64-1	
Allyl chloride	ND	mg/kg	0.24	0.078	1	08/16/11 12:17	08/17/11 14:31	107-05-1	
Benzene	ND	mg/kg	0.024	0.012	1	08/16/11 12:17	08/17/11 14:31	71-43-2	
Bromobenzene	ND	mg/kg	0.059	0.018	1	08/16/11 12:17	08/17/11 14:31	108-86-1	
Bromochloromethane	ND	mg/kg	0.059	0.027	1	08/16/11 12:17	08/17/11 14:31	74-97-5	
Bromodichloromethane	ND	mg/kg	0.059	0.023	1	08/16/11 12:17	08/17/11 14:31	75-27-4	
Bromoform	ND	mg/kg	0.24	0.059	1	08/16/11 12:17	08/17/11 14:31	75-25-2	
Bromomethane	ND	mg/kg	0.59	0.090	1	08/16/11 12:17	08/17/11 14:31	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.59	0.30	1	08/16/11 12:17	08/17/11 14:31	78-93-3	
n-Butylbenzene	ND	mg/kg	0.059	0.0056	1	08/16/11 12:17	08/17/11 14:31	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.059	0.0063	1	08/16/11 12:17	08/17/11 14:31	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.059	0.0075	1	08/16/11 12:17	08/17/11 14:31	98-06-6	
Carbon tetrachloride	ND	mg/kg	0.059	0.014	1	08/16/11 12:17	08/17/11 14:31	56-23-5	
Chlorobenzene	ND	mg/kg	0.059	0.013	1	08/16/11 12:17	08/17/11 14:31	108-90-7	
Chloroethane	ND	mg/kg	0.59	0.14	1	08/16/11 12:17	08/17/11 14:31	75-00-3	
Chloroform	ND	mg/kg	0.059	0.013	1	08/16/11 12:17	08/17/11 14:31	67-66-3	
Chloromethane	ND	mg/kg	0.24	0.040	1	08/16/11 12:17	08/17/11 14:31	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.059	0.0081	1	08/16/11 12:17	08/17/11 14:31	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.059	0.0080	1	08/16/11 12:17	08/17/11 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.24	0.045	1	08/16/11 12:17	08/17/11 14:31	96-12-8	
Dibromochloromethane	ND	mg/kg	0.059	0.013	1	08/16/11 12:17	08/17/11 14:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.059	0.018	1	08/16/11 12:17	08/17/11 14:31	106-93-4	
Dibromomethane	ND	mg/kg	0.059	0.024	1	08/16/11 12:17	08/17/11 14:31	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.059	0.018	1	08/16/11 12:17	08/17/11 14:31	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.059	0.0076	1	08/16/11 12:17	08/17/11 14:31	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.059	0.011	1	08/16/11 12:17	08/17/11 14:31	106-46-7	
Dichlorodifluoromethane	ND	mg/kg	0.059	0.018	1	08/16/11 12:17	08/17/11 14:31	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.059	0.020	1	08/16/11 12:17	08/17/11 14:31	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.059	0.015	1	08/16/11 12:17	08/17/11 14:31	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.059	0.030	1	08/16/11 12:17	08/17/11 14:31	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.059	0.020	1	08/16/11 12:17	08/17/11 14:31	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.059	0.017	1	08/16/11 12:17	08/17/11 14:31	156-60-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8 **Lab ID: 10166418007** Collected: 08/12/11 10:20 Received: 08/12/11 15:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dichlorofluoromethane	ND	mg/kg	0.59	0.031	1	08/16/11 12:17	08/17/11 14:31	75-43-4	
1,2-Dichloropropane	ND	mg/kg	0.059	0.026	1	08/16/11 12:17	08/17/11 14:31	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.059	0.0098	1	08/16/11 12:17	08/17/11 14:31	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.24	0.024	1	08/16/11 12:17	08/17/11 14:31	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.059	0.013	1	08/16/11 12:17	08/17/11 14:31	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.059	0.010	1	08/16/11 12:17	08/17/11 14:31	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.059	0.011	1	08/16/11 12:17	08/17/11 14:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	mg/kg	0.24	0.040	1	08/16/11 12:17	08/17/11 14:31	60-29-7	
Ethylbenzene	ND	mg/kg	0.059	0.0033	1	08/16/11 12:17	08/17/11 14:31	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.30	0.0067	1	08/16/11 12:17	08/17/11 14:31	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.059	0.0075	1	08/16/11 12:17	08/17/11 14:31	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.059	0.010	1	08/16/11 12:17	08/17/11 14:31	99-87-6	
Methylene Chloride	ND	mg/kg	0.24	0.12	1	08/16/11 12:17	08/17/11 14:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.59	0.30	1	08/16/11 12:17	08/17/11 14:31	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.059	0.020	1	08/16/11 12:17	08/17/11 14:31	1634-04-4	
Naphthalene	**0.69**	mg/kg	0.24	0.010	1	08/16/11 12:17	08/17/11 14:31	91-20-3	
n-Propylbenzene	ND	mg/kg	0.059	0.0047	1	08/16/11 12:17	08/17/11 14:31	103-65-1	
Styrene	ND	mg/kg	0.059	0.0075	1	08/16/11 12:17	08/17/11 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.059	0.014	1	08/16/11 12:17	08/17/11 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.059	0.014	1	08/16/11 12:17	08/17/11 14:31	79-34-5	
Tetrachloroethene	ND	mg/kg	0.059	0.016	1	08/16/11 12:17	08/17/11 14:31	127-18-4	
Tetrahydrofuran	ND	mg/kg	2.4	0.18	1	08/16/11 12:17	08/17/11 14:31	109-99-9	
Toluene	**0.069**	mg/kg	0.059	0.0089	1	08/16/11 12:17	08/17/11 14:31	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.059	0.017	1	08/16/11 12:17	08/17/11 14:31	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.059	0.013	1	08/16/11 12:17	08/17/11 14:31	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.059	0.0077	1	08/16/11 12:17	08/17/11 14:31	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.059	0.025	1	08/16/11 12:17	08/17/11 14:31	79-00-5	
Trichloroethene	ND	mg/kg	0.059	0.020	1	08/16/11 12:17	08/17/11 14:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.24	0.029	1	08/16/11 12:17	08/17/11 14:31	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.24	0.019	1	08/16/11 12:17	08/17/11 14:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.059	0.024	1	08/16/11 12:17	08/17/11 14:31	76-13-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.059	0.0087	1	08/16/11 12:17	08/17/11 14:31	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.059	0.0079	1	08/16/11 12:17	08/17/11 14:31	108-67-8	
Vinyl chloride	ND	mg/kg	0.024	0.011	1	08/16/11 12:17	08/17/11 14:31	75-01-4	
Xylene (Total)	ND	mg/kg	0.18	0.032	1	08/16/11 12:17	08/17/11 14:31	1330-20-7	
Dibromofluoromethane (S)	101	%	30-150		1	08/16/11 12:17	08/17/11 14:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	30-150		1	08/16/11 12:17	08/17/11 14:31	17060-07-0	
Toluene-d8 (S)	88	%	30-150		1	08/16/11 12:17	08/17/11 14:31	2037-26-5	
4-Bromofluorobenzene (S)	96	%	30-150		1	08/16/11 12:17	08/17/11 14:31	460-00-4	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.36**	mg/kg	0.16	0.077	1		08/17/11 19:33	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8W **Lab ID: 10166418008** Collected: 08/12/11 10:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.11	0.053	1	08/16/11 07:56	08/19/11 10:32		
n-Triacontane (S)	72	%	50-150		1	08/16/11 07:56	08/19/11 10:32		
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/16/11 01:39		
a,a,a-Trifluorotoluene (S)	102	%	80-125		1		08/16/11 01:39	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 16:29	7440-38-2	
Barium	**220**	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 16:29	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 16:29	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 16:29	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 16:29	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 16:29	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 16:29	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/17/11 12:13	08/18/11 10:56	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	111-44-4	
2-Chlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.9	1.7	1	08/17/11 10:47	08/19/11 20:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.9	1.3	1	08/17/11 10:47	08/19/11 20:32	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	108-60-1	
3&4-Methylphenol	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 20:32		
N-Nitroso-di-n-propylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	621-64-7	
Hexachloroethane	ND	ug/L	10.9	1.6	1	08/17/11 10:47	08/19/11 20:32	67-72-1	
Nitrobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	98-95-3	
Isophorone	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	78-59-1	
2-Nitrophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	88-75-5	
2,4-Dimethylphenol	ND	ug/L	10.9	4.6	1	08/17/11 10:47	08/19/11 20:32	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	120-82-1	
Naphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	91-20-3	
4-Chloroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8W **Lab ID: 10166418008** Collected: 08/12/11 10:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	91-58-7	
2-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	88-74-4	
Dimethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	131-11-3	
Acenaphthylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	606-20-2	
3-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	99-09-2	
Acenaphthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	83-32-9	
2,4-Dinitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	51-28-5	
4-Nitrophenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	100-02-7	
Dibenzofuran	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	121-14-2	
Diethylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	7005-72-3	
Fluorene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	86-73-7	
4-Nitroaniline	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	54.3	27.2	1	08/17/11 10:47	08/19/11 20:32	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	101-55-3	
Hexachlorobenzene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	118-74-1	
Pentachlorophenol	ND	ug/L	25.0	12.5	1	08/17/11 10:47	08/19/11 20:32	87-86-5	
Phenanthrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	85-01-8	
Anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	84-74-2	
Fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	206-44-0	
Pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 20:32	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	56-55-3	
Chrysene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	117-81-7	
Di-n-octylphthalate	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	21.7	10.9	1	08/17/11 10:47	08/19/11 20:32	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.9	3.3	1	08/17/11 10:47	08/19/11 20:32	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	122-66-7	
Carbazole	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.9	5.4	1	08/17/11 10:47	08/19/11 20:32	90-12-0	
Nitrobenzene-d5 (S)	72	%	30-150		1	08/17/11 10:47	08/19/11 20:32	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-150		1	08/17/11 10:47	08/19/11 20:32	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/17/11 10:47	08/19/11 20:32	1718-51-0	
Phenol-d6 (S)	73	%	30-150		1	08/17/11 10:47	08/19/11 20:32	13127-88-3	
2-Fluorophenol (S)	70	%	30-148		1	08/17/11 10:47	08/19/11 20:32	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8W **Lab ID: 10166418008** Collected: 08/12/11 10:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	100	%	30-150		1	08/17/11 10:47	08/19/11 20:32	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/17/11 17:54	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	0.51	1		08/17/11 17:54	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/17/11 17:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/17/11 17:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/17/11 17:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/17/11 17:54	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/17/11 17:54	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/17/11 17:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/17/11 17:54	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:54	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/17/11 17:54	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/17/11 17:54	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/17/11 17:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 17:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/17/11 17:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/17/11 17:54	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/17/11 17:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/17/11 17:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/17/11 17:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/17/11 17:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/17/11 17:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/17/11 17:54	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/17/11 17:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/17/11 17:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/17/11 17:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/17/11 17:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/17/11 17:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 17:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 17:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/17/11 17:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/17/11 17:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/17/11 17:54	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/17/11 17:54	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/17/11 17:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/17/11 17:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/17/11 17:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/17/11 17:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/17/11 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/17/11 17:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/17/11 17:54	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/17/11 17:54	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/17/11 17:54	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: GP-33-8W **Lab ID: 10166418008** Collected: 08/12/11 10:45 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/17/11 17:54	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/17/11 17:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/17/11 17:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/17/11 17:54	1634-04-4	
Naphthalene	**17.7**	ug/L	4.0	0.57	1		08/17/11 17:54	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/17/11 17:54	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/17/11 17:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/17/11 17:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/17/11 17:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/17/11 17:54	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/17/11 17:54	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/17/11 17:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/17/11 17:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 17:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/17/11 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/17/11 17:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/17/11 17:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/17/11 17:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/17/11 17:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/17/11 17:54	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/17/11 17:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 17:54	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/17/11 17:54	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/17/11 17:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/17/11 17:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/17/11 17:54	95-47-6	
Dibromofluoromethane (S)	103	%	75-125		1		08/17/11 17:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		08/17/11 17:54	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/17/11 17:54	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/17/11 17:54	460-00-4	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	5.0	1		08/19/11 10:46	57-12-5	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: Equip Blank **Lab ID: 10166418009** Collected: 08/12/11 11:00 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	ND	mg/L	0.11	0.055	1	08/16/11 07:56	08/19/11 10:40		
n-Triacontane (S)	78	%	50-150		1	08/16/11 07:56	08/19/11 10:40		
WIGRO GCV	Analytical Method: WI MOD GRO								
Gasoline Range Organics	ND	ug/L	100	13.0	1		08/15/11 23:28		
a,a,a-Trifluorotoluene (S)	100	%	80-125		1		08/15/11 23:28	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	3.4	1	08/16/11 15:37	08/17/11 16:36	7440-38-2	
Barium	ND	ug/L	10.0	0.37	1	08/16/11 15:37	08/17/11 16:36	7440-39-3	
Cadmium	ND	ug/L	1.0	0.23	1	08/16/11 15:37	08/17/11 16:36	7440-43-9	
Chromium	ND	ug/L	10.0	1.7	1	08/16/11 15:37	08/17/11 16:36	7440-47-3	
Lead	ND	ug/L	3.0	1.3	1	08/16/11 15:37	08/17/11 16:36	7439-92-1	
Selenium	ND	ug/L	15.0	2.7	1	08/16/11 15:37	08/17/11 16:36	7782-49-2	
Silver	ND	ug/L	10.0	0.29	1	08/16/11 15:37	08/17/11 16:36	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.037	1	08/16/11 11:13	08/16/11 12:37	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
Phenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	111-44-4	
2-Chlorophenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.1	1.7	1	08/17/11 10:47	08/19/11 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.1	1.4	1	08/17/11 10:47	08/19/11 20:58	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	95-48-7	
bis(2-Chloroisopropyl) ether	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	108-60-1	
3&4-Methylphenol	ND	ug/L	22.2	11.1	1	08/17/11 10:47	08/19/11 20:58		
N-Nitroso-di-n-propylamine	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	621-64-7	
Hexachloroethane	ND	ug/L	11.1	1.7	1	08/17/11 10:47	08/19/11 20:58	67-72-1	
Nitrobenzene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	98-95-3	
Isophorone	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	78-59-1	
2-Nitrophenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	88-75-5	
2,4-Dimethylphenol	ND	ug/L	11.1	4.7	1	08/17/11 10:47	08/19/11 20:58	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	120-82-1	
Naphthalene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	91-20-3	
4-Chloroaniline	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	95-95-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: Equip Blank **Lab ID: 10166418009** Collected: 08/12/11 11:00 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2-Chloronaphthalene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	91-58-7	
2-Nitroaniline	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	88-74-4	
Dimethylphthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	131-11-3	
Acenaphthylene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	606-20-2	
3-Nitroaniline	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	99-09-2	
Acenaphthene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	83-32-9	
2,4-Dinitrophenol	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	51-28-5	
4-Nitrophenol	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	100-02-7	
Dibenzofuran	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	121-14-2	
Diethylphthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	7005-72-3	
Fluorene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	86-73-7	
4-Nitroaniline	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	55.6	27.8	1	08/17/11 10:47	08/19/11 20:58	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	101-55-3	
Hexachlorobenzene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	118-74-1	
Pentachlorophenol	ND	ug/L	25.6	12.8	1	08/17/11 10:47	08/19/11 20:58	87-86-5	
Phenanthrene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	85-01-8	
Anthracene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	84-74-2	
Fluoranthene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	206-44-0	
Pyrene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	22.2	11.1	1	08/17/11 10:47	08/19/11 20:58	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	56-55-3	
Chrysene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	218-01-9	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	117-81-7	
Di-n-octylphthalate	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	22.2	11.1	1	08/17/11 10:47	08/19/11 20:58	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.1	3.4	1	08/17/11 10:47	08/19/11 20:58	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	122-66-7	
Carbazole	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.1	5.6	1	08/17/11 10:47	08/19/11 20:58	90-12-0	
Nitrobenzene-d5 (S)	72	%	30-150		1	08/17/11 10:47	08/19/11 20:58	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-150		1	08/17/11 10:47	08/19/11 20:58	321-60-8	
Terphenyl-d14 (S)	90	%	30-150		1	08/17/11 10:47	08/19/11 20:58	1718-51-0	
Phenol-d6 (S)	70	%	30-150		1	08/17/11 10:47	08/19/11 20:58	13127-88-3	
2-Fluorophenol (S)	69	%	30-148		1	08/17/11 10:47	08/19/11 20:58	367-12-4	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: Equip Blank **Lab ID: 10166418009** Collected: 08/12/11 11:00 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
2,4,6-Tribromophenol (S)	85	%	30-150		1	08/17/11 10:47	08/19/11 20:58	118-79-6	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		08/17/11 20:20	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		08/17/11 20:20	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		08/17/11 20:20	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		08/17/11 20:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		08/17/11 20:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		08/17/11 20:20	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		08/17/11 20:20	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		08/17/11 20:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		08/17/11 20:20	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 20:20	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		08/17/11 20:20	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		08/17/11 20:20	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		08/17/11 20:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 20:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		08/17/11 20:20	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		08/17/11 20:20	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		08/17/11 20:20	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		08/17/11 20:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		08/17/11 20:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		08/17/11 20:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/17/11 20:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		08/17/11 20:20	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		08/17/11 20:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		08/17/11 20:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		08/17/11 20:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/17/11 20:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		08/17/11 20:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 20:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		08/17/11 20:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		08/17/11 20:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		08/17/11 20:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		08/17/11 20:20	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		08/17/11 20:20	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		08/17/11 20:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		08/17/11 20:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		08/17/11 20:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		08/17/11 20:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		08/17/11 20:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		08/17/11 20:20	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		08/17/11 20:20	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 20:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		08/17/11 20:20	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		08/17/11 20:20	98-82-8	

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ANALYTICAL RESULTS

Project: STLOU 106311 REV
Pace Project No.: 10166418

Sample: Equip Blank **Lab ID: 10166418009** Collected: 08/12/11 11:00 Received: 08/12/11 15:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		08/17/11 20:20	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		08/17/11 20:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		08/17/11 20:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		08/17/11 20:20	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		08/17/11 20:20	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		08/17/11 20:20	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		08/17/11 20:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		08/17/11 20:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		08/17/11 20:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		08/17/11 20:20	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		08/17/11 20:20	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		08/17/11 20:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		08/17/11 20:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		08/17/11 20:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		08/17/11 20:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		08/17/11 20:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		08/17/11 20:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/17/11 20:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		08/17/11 20:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		08/17/11 20:20	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		08/17/11 20:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		08/17/11 20:20	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		08/17/11 20:20	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		08/17/11 20:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/17/11 20:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		08/17/11 20:20	95-47-6	
Dibromofluoromethane (S)	102	%	75-125		1		08/17/11 20:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		08/17/11 20:20	17060-07-0	
Toluene-d8 (S)	97	%	75-125		1		08/17/11 20:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125		1		08/17/11 20:20	460-00-4	
SM4500CN-E Cyanide	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	5.0	1		08/19/11 10:48	57-12-5	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: OEXT/16352 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166418002, 10166418004, 10166418007

METHOD BLANK: 1034390 Matrix: Solid
Associated Lab Samples: 10166418002, 10166418004, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	08/17/11 19:26	
n-Triacontane (S)	%	59	50-150	08/17/11 19:26	

LABORATORY CONTROL SAMPLE & LCSD: 1034391 1034392

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	62.8	66.0	78	83	70-120	5	20	
n-Triacontane (S)	%				64	64	50-150			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: OEXT/16342 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10166418008, 10166418009

METHOD BLANK: 1033840 Matrix: Water
Associated Lab Samples: 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/L	ND	0.10	08/19/11 09:43	
n-Triacontane (S)	%	70	50-150	08/19/11 09:43	

LABORATORY CONTROL SAMPLE & LCSD: 1033841 1033842

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/L	2	1.7	1.8	84	88	75-115	4	20	
n-Triacontane (S)	%				85	87	50-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: GCV/8301 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 10166418004, 10166418007

METHOD BLANK: 1034298 Matrix: Solid
Associated Lab Samples: 10166418004, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/19/11 11:37	
a,a,a-Trifluorotoluene (S)	%	99	80-125	08/19/11 11:37	

LABORATORY CONTROL SAMPLE & LCSD: 1034299 1034300

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	48.9	48.4	98	97	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				100	99	80-125			

MATRIX SPIKE SAMPLE: 1034301

Parameter	Units	10166264001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	15.3	59	82.7	114	80-120	
a,a,a-Trifluorotoluene (S)	%				106	80-125	1M

SAMPLE DUPLICATE: 1034302

Parameter	Units	10166264002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.3		1M

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: GCV/8298 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10166418008, 10166418009

METHOD BLANK: 1033526 Matrix: Water
Associated Lab Samples: 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	08/15/11 22:45	
a,a,a-Trifluorotoluene (S)	%	101	80-125	08/15/11 22:45	

LABORATORY CONTROL SAMPLE & LCSD: 1033527 1033528

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	941	987	94	99	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-125			

MATRIX SPIKE SAMPLE: 1033631

Parameter	Units	10166284012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	902	90	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-125	

SAMPLE DUPLICATE: 1033632

Parameter	Units	10166284015 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%	101	101	.02		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MPRP/27749 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

METHOD BLANK: 1033551 Matrix: Solid
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.46	08/16/11 17:07	
Barium	mg/kg	ND	0.46	08/16/11 17:07	
Cadmium	mg/kg	ND	0.046	08/16/11 17:07	
Chromium	mg/kg	ND	0.46	08/16/11 17:07	
Lead	mg/kg	ND	0.28	08/16/11 17:07	
Selenium	mg/kg	ND	0.69	08/16/11 17:07	
Silver	mg/kg	ND	0.46	08/16/11 17:07	

LABORATORY CONTROL SAMPLE: 1033552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	48.5	42.8	88	80-120	
Barium	mg/kg	48.5	45.1	93	80-120	
Cadmium	mg/kg	48.5	43.2	89	80-120	
Chromium	mg/kg	48.5	45.7	94	80-120	
Lead	mg/kg	48.5	43.5	90	80-120	
Selenium	mg/kg	48.5	41.3	85	80-120	
Silver	mg/kg	24.3	22.1	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033553 1033554

Parameter	Units	10166358001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.9	52.4	51.5	49.7	49.1	89	90	75-125	1	30	
Barium	mg/kg	59.2	52.4	51.5	109	104	95	88	75-125	5	30	
Cadmium	mg/kg	0.27	52.4	51.5	48.0	47.0	91	91	75-125	2	30	
Chromium	mg/kg	12.0	52.4	51.5	61.2	60.7	94	95	75-125	.8	30	
Lead	mg/kg	45.9	52.4	51.5	101	101	105	108	75-125	.1	30	
Selenium	mg/kg	1.2	52.4	51.5	47.1	45.5	88	86	75-125	3	30	
Silver	mg/kg	ND	26.2	25.7	24.4	23.8	93	93	75-125	2	30	

MATRIX SPIKE SAMPLE: 1033555

Parameter	Units	10166418007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.9	52.5	53.6	93	75-125	
Barium	mg/kg	41.7	52.5	101	114	75-125	
Cadmium	mg/kg	0.71	52.5	49.5	93	75-125	
Chromium	mg/kg	10.1	52.5	61.8	99	75-125	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1033555

Parameter	Units	10166418007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	134	52.5	206	136	75-125	M1
Selenium	mg/kg	1.9	52.5	47.8	88	75-125	
Silver	mg/kg	ND	26.2	25.0	95	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MPRP/28156
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10166418007

METHOD BLANK: 1046338 Matrix: Water
Associated Lab Samples: 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.015	09/02/11 09:07	

LABORATORY CONTROL SAMPLE: 1046339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	1	0.95	95	80-120	

MATRIX SPIKE SAMPLE: 1046340

Parameter	Units	10166204017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	ND	1	0.89	89	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1046341 1046342

Parameter	Units	10167937005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	1	1	0.86	0.91	86	90	75-125	5	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MPRP/27752 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10166418008, 10166418009

METHOD BLANK: 1033607 Matrix: Water
Associated Lab Samples: 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/17/11 13:07	
Barium	ug/L	ND	10.0	08/17/11 13:07	
Cadmium	ug/L	ND	1.0	08/17/11 13:07	
Chromium	ug/L	ND	10.0	08/17/11 13:07	
Lead	ug/L	ND	3.0	08/17/11 13:07	
Selenium	ug/L	ND	15.0	08/17/11 13:07	
Silver	ug/L	ND	10.0	08/17/11 13:07	

LABORATORY CONTROL SAMPLE: 1033608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	919	92	80-120	
Barium	ug/L	1000	922	92	80-120	
Cadmium	ug/L	1000	916	92	80-120	
Chromium	ug/L	1000	921	92	80-120	
Lead	ug/L	1000	920	92	80-120	
Selenium	ug/L	1000	915	91	80-120	
Silver	ug/L	500	462	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033609 1033610

Parameter	Units	10166036001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	902	946	90	95	80-120	5	30	
Barium	ug/L	57.0	1000	1000	907	944	85	89	80-120	4	30	
Cadmium	ug/L	ND	1000	1000	857	892	86	89	80-120	4	30	
Chromium	ug/L	ND	1000	1000	855	886	85	88	80-120	4	30	
Lead	ug/L	ND	1000	1000	847	885	85	89	80-120	4	30	
Selenium	ug/L	ND	1000	1000	886	928	89	93	80-120	5	30	
Silver	ug/L	ND	500	500	439	457	88	91	80-120	4	30	

MATRIX SPIKE SAMPLE: 1033611

Parameter	Units	10166268002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	1000	917	92	80-120	
Barium	ug/L	18.0	1000	921	90	80-120	
Cadmium	ug/L	ND	1000	906	91	80-120	
Chromium	ug/L	ND	1000	903	90	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1033611

Parameter	Units	10166268002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	1000	889	89	80-120	
Selenium	ug/L	ND	1000	899	90	80-120	
Silver	ug/L	ND	500	462	92	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MERP/5812
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 10166418008

METHOD BLANK: 1033828 Matrix: Water
Associated Lab Samples: 10166418008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/18/11 10:23	

LABORATORY CONTROL SAMPLE: 1033829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033830 1033831

Parameter	Units	10165991014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.062J	5	5	5.1	5.2	100	102	80-120	2	20	

MATRIX SPIKE SAMPLE: 1033832

Parameter	Units	10166412003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	5.8	115	80-120	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MERP/5813
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 10166418009

METHOD BLANK: 1033910 Matrix: Water
Associated Lab Samples: 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/16/11 12:20	

LABORATORY CONTROL SAMPLE: 1033911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033912 1033913

Parameter	Units	10166471009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	6.3	6.5	127	129	80-120	2	20	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MERP/5807 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

METHOD BLANK: 1033600 Matrix: Solid
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	08/17/11 09:55	

LABORATORY CONTROL SAMPLE: 1033601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033602 1033603

Parameter	Units	10166406001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	17.8	1	1.1	15.7	19.3	-210	134	80-120	21	20	D6,M6

MATRIX SPIKE SAMPLE: 1033604

Parameter	Units	10166234001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.52	.5	0.82	60	80-120	M1

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MPRP/27821 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

SAMPLE DUPLICATE: 1035777

Parameter	Units	10166423004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	14.6	.7	30	

SAMPLE DUPLICATE: 1035854

Parameter	Units	10166412001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.7	8.9	2	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: OEXT/16356 Analysis Method: EPA 8270
QC Batch Method: EPA 3550 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

METHOD BLANK: 1034823 Matrix: Solid
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,2-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,2-Diphenylhydrazine	mg/kg	ND	1.7	08/19/11 16:07	
1,3-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1,4-Dichlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
1-Methylnaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2,4,5-Trichlorophenol	mg/kg	ND	1.7	08/19/11 16:07	
2,4,6-Trichlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dichlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dimethylphenol	mg/kg	ND	0.33	08/19/11 16:07	
2,4-Dinitrophenol	mg/kg	ND	1.7	08/19/11 16:07	
2,4-Dinitrotoluene	mg/kg	ND	0.33	08/19/11 16:07	
2,6-Dinitrotoluene	mg/kg	ND	0.33	08/19/11 16:07	
2-Chloronaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2-Chlorophenol	mg/kg	ND	0.33	08/19/11 16:07	
2-Methylnaphthalene	mg/kg	ND	0.33	08/19/11 16:07	
2-Methylphenol(o-Cresol)	mg/kg	ND	0.33	08/19/11 16:07	
2-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
2-Nitrophenol	mg/kg	ND	0.33	08/19/11 16:07	
3&4-Methylphenol	mg/kg	ND	0.66	08/19/11 16:07	
3,3'-Dichlorobenzidine	mg/kg	ND	0.67	08/19/11 16:07	
3-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.7	08/19/11 16:07	
4-Bromophenylphenyl ether	mg/kg	ND	0.33	08/19/11 16:07	
4-Chloro-3-methylphenol	mg/kg	ND	0.33	08/19/11 16:07	
4-Chloroaniline	mg/kg	ND	0.33	08/19/11 16:07	
4-Chlorophenylphenyl ether	mg/kg	ND	0.33	08/19/11 16:07	
4-Nitroaniline	mg/kg	ND	1.7	08/19/11 16:07	
4-Nitrophenol	mg/kg	ND	1.7	08/19/11 16:07	
Acenaphthene	mg/kg	ND	0.33	08/19/11 16:07	
Acenaphthylene	mg/kg	ND	0.33	08/19/11 16:07	
Anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(a)anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(a)pyrene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(b)fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(g,h,i)perylene	mg/kg	ND	0.33	08/19/11 16:07	
Benzo(k)fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroethoxy)methane	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroethyl) ether	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Chloroisopropyl) ether	mg/kg	ND	0.33	08/19/11 16:07	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.33	08/19/11 16:07	
Butylbenzylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Carbazole	mg/kg	ND	0.33	08/19/11 16:07	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1034823 Matrix: Solid

Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	mg/kg	ND	0.33	08/19/11 16:07	
Di-n-butylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Di-n-octylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Dibenz(a,h)anthracene	mg/kg	ND	0.33	08/19/11 16:07	
Dibenzofuran	mg/kg	ND	0.33	08/19/11 16:07	
Diethylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Dimethylphthalate	mg/kg	ND	0.33	08/19/11 16:07	
Fluoranthene	mg/kg	ND	0.33	08/19/11 16:07	
Fluorene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachloro-1,3-butadiene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachlorobenzene	mg/kg	ND	0.33	08/19/11 16:07	
Hexachloroethane	mg/kg	ND	0.33	08/19/11 16:07	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.33	08/19/11 16:07	
Isophorone	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitrosodimethylamine	mg/kg	ND	0.33	08/19/11 16:07	
N-Nitrosodiphenylamine	mg/kg	ND	0.33	08/19/11 16:07	
Naphthalene	mg/kg	ND	0.33	08/19/11 16:07	
Nitrobenzene	mg/kg	ND	0.33	08/19/11 16:07	
Pentachlorophenol	mg/kg	ND	0.67	08/19/11 16:07	
Phenanthrene	mg/kg	ND	0.33	08/19/11 16:07	
Phenol	mg/kg	ND	0.33	08/19/11 16:07	
Pyrene	mg/kg	ND	0.33	08/19/11 16:07	
2,4,6-Tribromophenol (S)	%	91	30-150	08/19/11 16:07	
2-Fluorobiphenyl (S)	%	80	30-150	08/19/11 16:07	
2-Fluorophenol (S)	%	78	30-147	08/19/11 16:07	
Nitrobenzene-d5 (S)	%	80	50-120	08/19/11 16:07	
Phenol-d6 (S)	%	78	30-149	08/19/11 16:07	
Terphenyl-d14 (S)	%	101	30-150	08/19/11 16:07	

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.2	74	61-125	
1,2-Dichlorobenzene	mg/kg	1.7	1.2	71	58-125	
1,2-Diphenylhydrazine	mg/kg	1.7	1.3J	81	67-125	
1,3-Dichlorobenzene	mg/kg	1.7	1.2	70	57-125	
1,4-Dichlorobenzene	mg/kg	1.7	1.2	70	57-125	
1-Methylnaphthalene	mg/kg	1.7	1.2	75	63-125	
2,4,5-Trichlorophenol	mg/kg	1.7	1.4J	84	64-125	
2,4,6-Trichlorophenol	mg/kg	1.7	1.4	83	64-125	
2,4-Dichlorophenol	mg/kg	1.7	1.3	79	62-125	
2,4-Dimethylphenol	mg/kg	1.7	1.3	79	44-125	
2,4-Dinitrophenol	mg/kg	1.7	1.2J	73	30-133	
2,4-Dinitrotoluene	mg/kg	1.7	1.4	84	63-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	mg/kg	1.7	1.4	83	64-125	
2-Chloronaphthalene	mg/kg	1.7	1.3	79	64-125	
2-Chlorophenol	mg/kg	1.7	1.2	73	57-125	
2-Methylnaphthalene	mg/kg	1.7	1.3	77	61-125	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.2	72	57-125	
2-Nitroaniline	mg/kg	1.7	1.4J	83	63-125	
2-Nitrophenol	mg/kg	1.7	1.3	76	57-125	
3&4-Methylphenol	mg/kg	1.7	1.3	75	59-125	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.4	86	30-125	
3-Nitroaniline	mg/kg	1.7	1.3J	78	43-125	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.3J	80	36-125	
4-Bromophenylphenyl ether	mg/kg	1.7	1.4	86	67-125	
4-Chloro-3-methylphenol	mg/kg	1.7	1.4	82	66-125	
4-Chloroaniline	mg/kg	1.7	1.0	63	30-125	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.4	86	67-125	
4-Nitroaniline	mg/kg	1.7	1.3J	77	54-125	
4-Nitrophenol	mg/kg	1.7	1.4J	83	51-125	
Acenaphthene	mg/kg	1.7	1.3	80	64-125	
Acenaphthylene	mg/kg	1.7	1.3	81	65-125	
Anthracene	mg/kg	1.7	1.4	84	66-125	
Benzo(a)anthracene	mg/kg	1.7	1.4	83	66-125	
Benzo(a)pyrene	mg/kg	1.7	1.4	83	66-125	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	81	68-125	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	87	65-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	83	68-125	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.3	76	58-125	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.2	70	54-125	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	1.2	71	50-125	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.5	91	64-125	
Butylbenzylphthalate	mg/kg	1.7	1.5	88	65-125	
Carbazole	mg/kg	1.7	1.4	82	65-125	
Chrysene	mg/kg	1.7	1.4	83	66-125	
Di-n-butylphthalate	mg/kg	1.7	1.5	89	67-125	
Di-n-octylphthalate	mg/kg	1.7	1.5	87	68-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	88	66-125	
Dibenzofuran	mg/kg	1.7	1.4	82	66-125	
Diethylphthalate	mg/kg	1.7	1.4	86	68-125	
Dimethylphthalate	mg/kg	1.7	1.4	85	68-125	
Fluoranthene	mg/kg	1.7	1.4	84	65-125	
Fluorene	mg/kg	1.7	1.4	84	67-125	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.3	76	60-125	
Hexachlorobenzene	mg/kg	1.7	1.4	84	67-125	
Hexachloroethane	mg/kg	1.7	1.2	71	56-125	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	87	66-125	
Isophorone	mg/kg	1.7	1.3	77	61-125	
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.2	74	58-125	
N-Nitrosodimethylamine	mg/kg	1.7	1.2	73	45-125	
N-Nitrosodiphenylamine	mg/kg	1.7	1.4	85	66-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1034824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.2	73	61-125	
Nitrobenzene	mg/kg	1.7	1.2	71	59-125	
Pentachlorophenol	mg/kg	1.7	1.3	79	30-126	
Phenanthrene	mg/kg	1.7	1.4	84	68-125	
Phenol	mg/kg	1.7	1.2	73	58-125	
Pyrene	mg/kg	1.7	1.4	86	66-125	
2,4,6-Tribromophenol (S)	%			91	30-150	
2-Fluorobiphenyl (S)	%			80	30-150	
2-Fluorophenol (S)	%			72	30-147	
Nitrobenzene-d5 (S)	%			74	50-120	
Phenol-d6 (S)	%			73	30-149	
Terphenyl-d14 (S)	%			88	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034825 1034826

Parameter	Units	10166412001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	ND	1.9	1.9	1.1	1.3	60	71	30-138	16	30	
1,2-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.84	1.2	46	64	30-125	32	30	D6
1,2-Diphenylhydrazine	mg/kg	ND	1.9	1.9	1.4J	1.4J	79	77	30-150		30	
1,3-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.82	1.1	45	63	30-126	33	30	D6
1,4-Dichlorobenzene	mg/kg	ND	1.9	1.9	0.82	1.1	45	62	30-130	32	30	D6
1-Methylnaphthalene	mg/kg	ND	1.9	1.9	1.4	1.5	71	76	30-144	6	30	
2,4,5-Trichlorophenol	mg/kg	ND	1.9	1.9	1.4J	1.5J	79	81	30-150		30	
2,4,6-Trichlorophenol	mg/kg	ND	1.9	1.9	1.5	1.5	81	81	30-150	.9	30	
2,4-Dichlorophenol	mg/kg	ND	1.9	1.9	1.4	1.4	77	78	30-147	2	30	
2,4-Dimethylphenol	mg/kg	ND	1.9	1.9	1.4	1.5	78	81	30-150	3	30	
2,4-Dinitrophenol	mg/kg	ND	1.9	1.9	1.1J	1.1J	59	62	30-133		30	
2,4-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.2	30	
2,6-Dinitrotoluene	mg/kg	ND	1.9	1.9	1.4	1.5	80	81	30-150	2	30	
2-Chloronaphthalene	mg/kg	ND	1.9	1.9	1.4	1.4	77	79	30-150	4	30	
2-Chlorophenol	mg/kg	ND	1.9	1.9	1.0	1.3	55	71	30-133	24	30	
2-Methylnaphthalene	mg/kg	ND	1.9	1.9	1.4	1.4	73	77	30-141	4	30	
2-Methylphenol(o-Cresol)	mg/kg	ND	1.9	1.9	1.2	1.4	69	75	30-140	10	30	
2-Nitroaniline	mg/kg	ND	1.9	1.9	1.5J	1.5J	81	80	30-150		30	
2-Nitrophenol	mg/kg	ND	1.9	1.9	1.1	1.3	62	73	30-141	17	30	
3&4-Methylphenol	mg/kg	ND	1.9	1.9	1.3	1.4	72	75	30-147	5	30	
3,3'-Dichlorobenzidine	mg/kg	ND	1.9	1.9	1.5	1.4	80	76	30-132	5	30	
3-Nitroaniline	mg/kg	ND	1.9	1.9	1.4J	1.3J	75	72	30-134		30	
4,6-Dinitro-2-methylphenol	mg/kg	ND	1.9	1.9	1.4J	1.4J	75	75	30-147		30	
4-Bromophenylphenyl ether	mg/kg	ND	1.9	1.9	1.5	1.5	84	84	30-150	.3	30	
4-Chloro-3-methylphenol	mg/kg	ND	1.9	1.9	1.5	1.5	80	80	30-150	.3	30	
4-Chloroaniline	mg/kg	ND	1.9	1.9	1.0	0.88	56	48	30-150	15	30	
4-Chlorophenylphenyl ether	mg/kg	ND	1.9	1.9	1.5	1.5	82	84	30-150	1	30	
4-Nitroaniline	mg/kg	ND	1.9	1.9	1.3J	1.4J	74	78	30-145		30	
4-Nitrophenol	mg/kg	ND	1.9	1.9	1.4J	1.5J	79	81	30-150		30	
Acenaphthene	mg/kg	ND	1.9	1.9	1.8	1.9	82	93	30-149	11	30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034825 1034826

Parameter	Units	10166412001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthylene	mg/kg	ND	1.9	1.9	1.5	1.6	78	80	30-150	3	30	
Anthracene	mg/kg	ND	1.9	1.9	1.7	1.8	84	91	30-150	7	30	
Benzo(a)anthracene	mg/kg	0.54	1.9	1.9	2.0	2.1	80	84	30-150	3	30	
Benzo(a)pyrene	mg/kg	0.55	1.9	1.9	2.0	2.1	79	84	30-150	5	30	
Benzo(b)fluoranthene	mg/kg	0.79	1.9	1.9	2.2	2.3	78	82	30-150	3	30	
Benzo(g,h,i)perylene	mg/kg	0.41	1.9	1.9	1.9	2.0	82	87	30-150	4	30	
Benzo(k)fluoranthene	mg/kg	ND	1.9	1.9	1.7	1.8	79	84	30-150	5	30	
bis(2-Chloroethoxy)methane	mg/kg	ND	1.9	1.9	1.2	1.4	66	74	30-142	12	30	
bis(2-Chloroethyl) ether	mg/kg	ND	1.9	1.9	0.84	1.2	46	64	30-130	32	30	D6
bis(2-Chloroisopropyl) ether	mg/kg	ND	1.9	1.9	0.89	1.2	49	65	30-140	28	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	1.9	1.9	1.6	1.5	86	85	30-150	2	30	
Butylbenzylphthalate	mg/kg	ND	1.9	1.9	1.6	1.5	89	85	30-150	5	30	
Carbazole	mg/kg	ND	1.9	1.9	1.5	1.5	82	84	30-150	2	30	
Chrysene	mg/kg	0.65	1.9	1.9	2.0	2.1	77	80	30-150	3	30	
Di-n-butylphthalate	mg/kg	ND	1.9	1.9	1.6	1.6	90	87	30-150	3	30	
Di-n-octylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.2	30	
Dibenz(a,h)anthracene	mg/kg	ND	1.9	1.9	1.6	1.6	89	90	30-150	.8	30	
Dibenzofuran	mg/kg	ND	1.9	1.9	1.6	1.9	82	95	30-150	14	30	
Diethylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	83	84	30-150	1	30	
Dimethylphthalate	mg/kg	ND	1.9	1.9	1.5	1.5	82	82	30-150	.5	30	
Fluoranthene	mg/kg	1.1	1.9	1.9	2.7	2.9	86	99	30-150	8	30	
Fluorene	mg/kg	ND	1.9	1.9	1.8	2.2	86	106	30-150	18	30	
Hexachloro-1,3-butadiene	mg/kg	ND	1.9	1.9	1.0	1.3	57	71	30-140	22	30	
Hexachlorobenzene	mg/kg	ND	1.9	1.9	1.5	1.5	81	82	30-150	.6	30	
Hexachloroethane	mg/kg	ND	1.9	1.9	0.82	1.1	45	63	30-133	32	30	D6
Indeno(1,2,3-cd)pyrene	mg/kg	ND	1.9	1.9	1.8	1.9	82	87	30-150	4	30	
Isophorone	mg/kg	ND	1.9	1.9	1.3	1.4	71	76	30-145	7	30	
N-Nitroso-di-n-propylamine	mg/kg	ND	1.9	1.9	1.1	1.3	62	70	30-140	13	30	
N-Nitrosodimethylamine	mg/kg	ND	1.9	1.9	0.83	1.2	46	67	30-134	37	30	D6
N-Nitrosodiphenylamine	mg/kg	ND	1.9	1.9	1.5	1.5	83	84	30-150	1	30	
Naphthalene	mg/kg	ND	1.9	1.9	1.2	1.4	60	71	30-136	15	30	
Nitrobenzene	mg/kg	ND	1.9	1.9	1.0	1.2	57	69	30-141	18	30	
Pentachlorophenol	mg/kg	ND	1.9	1.9	1.4	1.4	77	76	30-150	1	30	
Phenanthrene	mg/kg	0.62	1.9	1.9	2.2	3.0	87	130	30-150	30	30	
Phenol	mg/kg	ND	1.9	1.9	1.1	1.3	62	72	30-135	14	30	
Pyrene	mg/kg	1.0	1.9	1.9	2.5	2.7	82	92	30-150	7	30	
2,4,6-Tribromophenol (S)	%						89	88	30-150			
2-Fluorobiphenyl (S)	%						78	80	30-150			
2-Fluorophenol (S)	%						50	67	30-147			
Nitrobenzene-d5 (S)	%						60	71	50-120			
Phenol-d6 (S)	%						64	72	30-149			
Terphenyl-d14 (S)	%						83	80	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: OEXT/16361 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10166418005, 10166418008, 10166418009

METHOD BLANK: 1034975 Matrix: Water
Associated Lab Samples: 10166418005, 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/19/11 14:57	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
1-Methylnaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2,4,5-Trichlorophenol	ug/L	ND	50.0	08/19/11 14:57	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dichlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dimethylphenol	ug/L	ND	10.0	08/19/11 14:57	
2,4-Dinitrophenol	ug/L	ND	50.0	08/19/11 14:57	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/19/11 14:57	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/19/11 14:57	
2-Chloronaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2-Chlorophenol	ug/L	ND	10.0	08/19/11 14:57	
2-Methylnaphthalene	ug/L	ND	10.0	08/19/11 14:57	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/19/11 14:57	
2-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
2-Nitrophenol	ug/L	ND	10.0	08/19/11 14:57	
3&4-Methylphenol	ug/L	ND	20.0	08/19/11 14:57	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/19/11 14:57	
3-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/19/11 14:57	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/19/11 14:57	
4-Chloro-3-methylphenol	ug/L	ND	10.0	08/19/11 14:57	
4-Chloroaniline	ug/L	ND	50.0	08/19/11 14:57	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/19/11 14:57	
4-Nitroaniline	ug/L	ND	50.0	08/19/11 14:57	
4-Nitrophenol	ug/L	ND	50.0	08/19/11 14:57	
Acenaphthene	ug/L	ND	10.0	08/19/11 14:57	
Acenaphthylene	ug/L	ND	10.0	08/19/11 14:57	
Anthracene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(a)anthracene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(a)pyrene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/19/11 14:57	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/19/11 14:57	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/19/11 14:57	
Butylbenzylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Carbazole	ug/L	ND	10.0	08/19/11 14:57	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1034975 Matrix: Water

Associated Lab Samples: 10166418005, 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	10.0	08/19/11 14:57	
Di-n-butylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Di-n-octylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Dibenz(a,h)anthracene	ug/L	ND	20.0	08/19/11 14:57	
Dibenzofuran	ug/L	ND	10.0	08/19/11 14:57	
Diethylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Dimethylphthalate	ug/L	ND	10.0	08/19/11 14:57	
Fluoranthene	ug/L	ND	10.0	08/19/11 14:57	
Fluorene	ug/L	ND	10.0	08/19/11 14:57	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/19/11 14:57	
Hexachlorobenzene	ug/L	ND	10.0	08/19/11 14:57	
Hexachloroethane	ug/L	ND	10.0	08/19/11 14:57	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/19/11 14:57	
Isophorone	ug/L	ND	10.0	08/19/11 14:57	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/19/11 14:57	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/19/11 14:57	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/19/11 14:57	
Naphthalene	ug/L	ND	10.0	08/19/11 14:57	
Nitrobenzene	ug/L	ND	10.0	08/19/11 14:57	
Pentachlorophenol	ug/L	ND	23.0	08/19/11 14:57	
Phenanthrene	ug/L	ND	10.0	08/19/11 14:57	
Phenol	ug/L	ND	10.0	08/19/11 14:57	
Pyrene	ug/L	ND	10.0	08/19/11 14:57	
2,4,6-Tribromophenol (S)	%	96	30-150	08/19/11 14:57	
2-Fluorobiphenyl (S)	%	67	30-150	08/19/11 14:57	
2-Fluorophenol (S)	%	77	30-148	08/19/11 14:57	
Nitrobenzene-d5 (S)	%	79	30-150	08/19/11 14:57	
Phenol-d6 (S)	%	80	30-150	08/19/11 14:57	
Terphenyl-d14 (S)	%	104	30-150	08/19/11 14:57	

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.4	39.7	79	79	68-125	.7	20	
1,2-Dichlorobenzene	ug/L	50	36.9	37.6	74	75	67-125	2	20	
1,2-Diphenylhydrazine	ug/L	50	43.8	44.9	88	90	76-125	2	20	
1,3-Dichlorobenzene	ug/L	50	35.0	37.0	70	74	66-125	6	20	
1,4-Dichlorobenzene	ug/L	50	34.9	37.1	70	74	67-125	6	20	
1-Methylnaphthalene	ug/L	50	41.4	41.6	83	83	74-125	.4	20	
2,4,5-Trichlorophenol	ug/L	50	44.4J	45J	89	90	72-125		20	
2,4,6-Trichlorophenol	ug/L	50	43.4	45.0	87	90	73-125	4	20	
2,4-Dichlorophenol	ug/L	50	42.4	43.0	85	86	70-125	1	20	
2,4-Dimethylphenol	ug/L	50	35.8	36.2	72	72	48-125	1	20	
2,4-Dinitrophenol	ug/L	50	39.4J	40.9J	79	82	30-143		20	
2,4-Dinitrotoluene	ug/L	50	44.7	44.8	89	90	74-125	.08	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,6-Dinitrotoluene	ug/L	50	44.2	45.5	88	91	74-125	3	20	
2-Chloronaphthalene	ug/L	50	43.8	43.8	88	88	74-125	.2	20	
2-Chlorophenol	ug/L	50	39.0	40.3	78	81	65-125	3	20	
2-Methylnaphthalene	ug/L	50	41.2	42.0	82	84	71-125	2	20	
2-Methylphenol(o-Cresol)	ug/L	50	40.4	39.8	81	80	65-125	1	20	
2-Nitroaniline	ug/L	50	43.9J	45.5J	88	91	69-126		20	
2-Nitrophenol	ug/L	50	42.6	43.0	85	86	66-125	.9	20	
3&4-Methylphenol	ug/L	50	39.8	40.1	80	80	67-125	.8	20	
3,3'-Dichlorobenzidine	ug/L	50	46.2	44.8	92	90	75-130	3	20	
3-Nitroaniline	ug/L	50	42.2J	43.1J	84	86	68-127		20	
4,6-Dinitro-2-methylphenol	ug/L	50	41.3J	41.9J	83	84	55-130		20	
4-Bromophenylphenyl ether	ug/L	50	44.7	45.2	89	90	75-125	1	20	
4-Chloro-3-methylphenol	ug/L	50	43.6	44.0	87	88	75-125	.9	20	
4-Chloroaniline	ug/L	50	40J	37.4J	80	75	56-125		20	
4-Chlorophenylphenyl ether	ug/L	50	43.7	44.7	87	89	75-125	2	20	
4-Nitroaniline	ug/L	50	44.6J	45.5J	89	91	70-125		20	
4-Nitrophenol	ug/L	50	43.2J	45.1J	86	90	57-127		20	
Acenaphthene	ug/L	50	44.2	44.8	88	90	74-125	1	20	
Acenaphthylene	ug/L	50	43.6	44.3	87	89	74-125	2	20	
Anthracene	ug/L	50	44.8	45.5	90	91	73-125	2	20	
Benzo(a)anthracene	ug/L	50	42.9	44.1	86	88	75-125	3	20	
Benzo(a)pyrene	ug/L	50	44.6	44.4	89	89	75-125	.4	20	
Benzo(b)fluoranthene	ug/L	50	45.0	46.2	90	92	75-125	3	20	
Benzo(g,h,i)perylene	ug/L	50	44.3	45.5	89	91	75-125	3	20	
Benzo(k)fluoranthene	ug/L	50	44.8	45.4	90	91	75-125	1	20	
bis(2-Chloroethoxy)methane	ug/L	50	41.1	42.0	82	84	68-125	2	20	
bis(2-Chloroethyl) ether	ug/L	50	39.3	39.0	79	78	63-125	.7	20	
bis(2-Chloroisopropyl) ether	ug/L	50	38.7	38.8	77	78	42-138	.2	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	44.5	45.4	89	91	75-125	2	20	
Butylbenzylphthalate	ug/L	50	45.4	45.9	91	92	75-125	1	20	
Carbazole	ug/L	50	43.9	44.6	88	89	70-125	1	20	
Chrysene	ug/L	50	44.4	45.1	89	90	75-125	2	20	
Di-n-butylphthalate	ug/L	50	45.5	46.4	91	93	72-125	2	20	
Di-n-octylphthalate	ug/L	50	45.7	46.6	91	93	75-125	2	20	
Dibenz(a,h)anthracene	ug/L	50	44.8	46.0	90	92	75-125	3	20	
Dibenzofuran	ug/L	50	43.6	44.1	87	88	75-125	1	20	
Diethylphthalate	ug/L	50	44.6	45.6	89	91	73-125	2	20	
Dimethylphthalate	ug/L	50	43.9	45.1	88	90	75-125	3	20	
Fluoranthene	ug/L	50	45.2	45.9	90	92	75-125	2	20	
Fluorene	ug/L	50	44.0	44.6	88	89	75-125	1	20	
Hexachloro-1,3-butadiene	ug/L	50	40.0	39.9	80	80	66-125	.2	20	
Hexachlorobenzene	ug/L	50	43.3	45.2	87	90	74-125	4	20	
Hexachloroethane	ug/L	50	35.5	37.2	71	74	63-125	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.2	45.6	90	91	75-125	1	20	
Isophorone	ug/L	50	43.2	42.8	86	86	72-125	1	20	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	40.7	82	81	68-125	.3	20	
N-Nitrosodimethylamine	ug/L	50	38.8	41.8	78	84	55-125	7	20	
N-Nitrosodiphenylamine	ug/L	50	43.2	44.4	86	89	74-125	3	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE & LCSD: 1034976 1034977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	50	40.6	40.5	81	81	68-125	.3	20	
Nitrobenzene	ug/L	50	41.4	41.8	83	84	67-125	.9	20	
Pentachlorophenol	ug/L	50	41.4	42.6	83	85	48-132	3	20	
Phenanthrene	ug/L	50	44.5	44.9	89	90	75-125	.8	20	
Phenol	ug/L	50	39.8	40.2	80	80	63-125	1	20	
Pyrene	ug/L	50	45.4	46.6	91	93	75-125	3	20	
2,4,6-Tribromophenol (S)	%				94	96	30-150			
2-Fluorobiphenyl (S)	%				76	81	30-150			
2-Fluorophenol (S)	%				78	81	30-148			
Nitrobenzene-d5 (S)	%				83	83	30-150			
Phenol-d6 (S)	%				82	83	30-150			
Terphenyl-d14 (S)	%				90	92	30-150			

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MSV/17674 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

METHOD BLANK: 1034199 Matrix: Solid
Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,1-Trichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2-Trichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
1,1-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,3-Trichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,3-Trichloropropane	mg/kg	ND	0.20	08/17/11 10:23	
1,2,4-Trichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2,4-Trimethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.20	08/17/11 10:23	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichloroethane	mg/kg	ND	0.050	08/17/11 10:23	
1,2-Dichloropropane	mg/kg	ND	0.050	08/17/11 10:23	
1,3,5-Trimethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,3-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
1,3-Dichloropropane	mg/kg	ND	0.050	08/17/11 10:23	
1,4-Dichlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
2,2-Dichloropropane	mg/kg	ND	0.20	08/17/11 10:23	
2-Butanone (MEK)	mg/kg	ND	0.50	08/17/11 10:23	
2-Chlorotoluene	mg/kg	ND	0.050	08/17/11 10:23	
4-Chlorotoluene	mg/kg	ND	0.050	08/17/11 10:23	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.50	08/17/11 10:23	
Acetone	mg/kg	ND	0.50	08/17/11 10:23	
Allyl chloride	mg/kg	ND	0.20	08/17/11 10:23	
Benzene	mg/kg	ND	0.020	08/17/11 10:23	
Bromobenzene	mg/kg	ND	0.050	08/17/11 10:23	
Bromochloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Bromodichloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Bromoform	mg/kg	ND	0.20	08/17/11 10:23	
Bromomethane	mg/kg	ND	0.50	08/17/11 10:23	
Carbon tetrachloride	mg/kg	ND	0.050	08/17/11 10:23	
Chlorobenzene	mg/kg	ND	0.050	08/17/11 10:23	
Chloroethane	mg/kg	ND	0.50	08/17/11 10:23	
Chloroform	mg/kg	ND	0.050	08/17/11 10:23	
Chloromethane	mg/kg	ND	0.20	08/17/11 10:23	
cis-1,2-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
cis-1,3-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
Dibromochloromethane	mg/kg	ND	0.050	08/17/11 10:23	
Dibromomethane	mg/kg	ND	0.050	08/17/11 10:23	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1034199 Matrix: Solid

Associated Lab Samples: 10166418001, 10166418002, 10166418004, 10166418006, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/kg	ND	0.050	08/17/11 10:23	
Dichlorofluoromethane	mg/kg	ND	0.50	08/17/11 10:23	
Diethyl ether (Ethyl ether)	mg/kg	ND	0.20	08/17/11 10:23	
Ethylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Hexachloro-1,3-butadiene	mg/kg	ND	0.25	08/17/11 10:23	
Isopropylbenzene (Cumene)	mg/kg	ND	0.050	08/17/11 10:23	
Methyl-tert-butyl ether	mg/kg	ND	0.050	08/17/11 10:23	
Methylene Chloride	mg/kg	ND	0.20	08/17/11 10:23	
n-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
n-Propylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Naphthalene	mg/kg	ND	0.20	08/17/11 10:23	
p-Isopropyltoluene	mg/kg	ND	0.050	08/17/11 10:23	
sec-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Styrene	mg/kg	ND	0.050	08/17/11 10:23	
tert-Butylbenzene	mg/kg	ND	0.050	08/17/11 10:23	
Tetrachloroethene	mg/kg	ND	0.050	08/17/11 10:23	
Tetrahydrofuran	mg/kg	ND	2.0	08/17/11 10:23	
Toluene	mg/kg	ND	0.050	08/17/11 10:23	
trans-1,2-Dichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
trans-1,3-Dichloropropene	mg/kg	ND	0.050	08/17/11 10:23	
Trichloroethene	mg/kg	ND	0.050	08/17/11 10:23	
Trichlorofluoromethane	mg/kg	ND	0.20	08/17/11 10:23	
Vinyl chloride	mg/kg	ND	0.020	08/17/11 10:23	
Xylene (Total)	mg/kg	ND	0.15	08/17/11 10:23	
1,2-Dichloroethane-d4 (S)	%	80	30-150	08/17/11 10:23	
4-Bromofluorobenzene (S)	%	81	30-150	08/17/11 10:23	
Dibromofluoromethane (S)	%	83	30-150	08/17/11 10:23	
Toluene-d8 (S)	%	78	30-150	08/17/11 10:23	

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	1	0.96	0.96	96	96	75-125	.3	20	
1,1,1-Trichloroethane	mg/kg	1	0.92	0.95	92	95	75-126	3	20	
1,1,2,2-Tetrachloroethane	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
1,1,2-Trichloroethane	mg/kg	1	0.96	0.96	96	96	75-125	.2	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	1	0.96	0.98	96	98	62-150	2	20	
1,1-Dichloroethane	mg/kg	1	0.92	0.96	92	96	75-130	4	20	
1,1-Dichloroethene	mg/kg	1	0.85	0.94	85	94	67-142	10	20	
1,1-Dichloropropene	mg/kg	1	0.94	1.0	94	100	73-136	6	20	
1,2,3-Trichlorobenzene	mg/kg	1	0.99	1.0	99	102	75-125	3	20	
1,2,3-Trichloropropane	mg/kg	1	0.87	0.90	87	90	75-125	4	20	
1,2,4-Trichlorobenzene	mg/kg	1	0.98	1.0	98	103	75-125	5	20	
1,2,4-Trimethylbenzene	mg/kg	1	0.89	0.94	89	94	75-125	6	20	
1,2-Dibromo-3-chloropropane	mg/kg	1	0.93	0.91	93	91	66-125	1	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	mg/kg	1	0.95	0.99	95	99	75-125	4	20	
1,2-Dichlorobenzene	mg/kg	1	0.95	0.98	95	98	75-125	3	20	
1,2-Dichloroethane	mg/kg	1	0.92	0.94	92	94	75-125	2	20	
1,2-Dichloropropane	mg/kg	1	0.95	1.0	95	101	75-126	6	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.89	0.91	89	91	75-125	3	20	
1,3-Dichlorobenzene	mg/kg	1	0.98	1.0	98	100	75-125	2	20	
1,3-Dichloropropane	mg/kg	1	0.96	0.99	96	99	75-125	3	20	
1,4-Dichlorobenzene	mg/kg	1	0.93	0.96	93	96	75-125	3	20	
2,2-Dichloropropane	mg/kg	1	0.99	1.0	99	101	43-137	2	20	
2-Butanone (MEK)	mg/kg	1	1.0	0.98	101	98	63-129	3	20	
2-Chlorotoluene	mg/kg	1	0.99	1.0	99	103	75-125	4	20	
4-Chlorotoluene	mg/kg	1	0.98	1.0	98	101	75-125	3	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	1	0.91	0.93	91	93	70-125	3	20	
Acetone	mg/kg	2.5	3.2	2.9	128	117	64-138	9	20	
Allyl chloride	mg/kg	1	0.94	1.0	94	102	73-134	8	20	
Benzene	mg/kg	1	0.95	0.97	95	97	75-125	3	20	
Bromobenzene	mg/kg	1	0.98	1.0	98	101	75-125	3	20	
Bromochloromethane	mg/kg	1	1.0	1.1	100	107	75-129	7	20	
Bromodichloromethane	mg/kg	1	0.98	0.99	98	99	75-125	.9	20	
Bromoform	mg/kg	1	0.97	1.0	97	101	62-125	4	20	
Bromomethane	mg/kg	1	1.1	1.2	111	122	53-150	9	20	
Carbon tetrachloride	mg/kg	1	1.0	1.1	103	106	72-127	3	20	
Chlorobenzene	mg/kg	1	0.91	0.96	91	96	75-125	5	20	
Chloroethane	mg/kg	1	0.96	1.0	96	101	36-150	5	20	
Chloroform	mg/kg	1	0.92	0.95	92	95	75-126	3	20	
Chloromethane	mg/kg	1	0.83	0.86	83	86	57-140	4	20	
cis-1,2-Dichloroethene	mg/kg	1	0.93	0.98	93	98	75-131	5	20	
cis-1,3-Dichloropropene	mg/kg	1	0.98	1.0	98	102	75-125	4	20	
Dibromochloromethane	mg/kg	1	0.97	1.0	97	102	75-125	5	20	
Dibromomethane	mg/kg	1	0.94	0.97	94	97	75-125	3	20	
Dichlorodifluoromethane	mg/kg	1	0.72	0.77	72	77	30-150	7	20	
Dichlorofluoromethane	mg/kg	1	1.1	1.2	111	115	72-133	4	20	
Diethyl ether (Ethyl ether)	mg/kg	1	0.97	1.0	97	100	59-150	2	20	
Ethylbenzene	mg/kg	1	0.96	1.0	96	100	75-129	4	20	
Hexachloro-1,3-butadiene	mg/kg	.5	0.48	0.53	97	107	69-137	10	20	
Isopropylbenzene (Cumene)	mg/kg	1	1.0	1.1	102	107	75-130	5	20	
Methyl-tert-butyl ether	mg/kg	1	0.96	0.99	96	99	73-128	3	20	
Methylene Chloride	mg/kg	1	0.93	0.96	93	96	68-128	3	20	
n-Butylbenzene	mg/kg	1	1.0	1.1	104	105	75-128	2	20	
n-Propylbenzene	mg/kg	1	1.0	1.1	100	106	75-126	5	20	
Naphthalene	mg/kg	1	0.87	0.88	87	88	75-125	1	20	
p-Isopropyltoluene	mg/kg	1	0.94	0.97	94	97	75-125	3	20	
sec-Butylbenzene	mg/kg	1	1.0	1.1	103	106	75-128	3	20	
Styrene	mg/kg	1	1.0	1.0	100	105	75-125	5	20	
tert-Butylbenzene	mg/kg	1	0.93	0.97	93	97	75-126	4	20	
Tetrachloroethene	mg/kg	1	0.98	1.0	98	101	73-132	4	20	
Tetrahydrofuran	mg/kg	10	9.4	9.4	94	94	63-134	.4	20	
Toluene	mg/kg	1	0.95	0.97	95	97	74-128	2	20	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE & LCSD: 1034200 1034201

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	mg/kg	1	0.94	0.98	94	98	75-136	4	20	
trans-1,3-Dichloropropene	mg/kg	1	1.0	1.0	100	103	71-125	3	20	
Trichloroethene	mg/kg	1	0.95	1.0	95	101	75-131	5	20	
Trichlorofluoromethane	mg/kg	1	0.94	0.96	94	96	65-148	2	20	
Vinyl chloride	mg/kg	1	0.91	0.96	91	96	58-146	6	20	
Xylene (Total)	mg/kg	3	3.0	3.1	99	103	73-129	4	20	
1,2-Dichloroethane-d4 (S)	%				80	69	30-150			
4-Bromofluorobenzene (S)	%				85	75	30-150			
Dibromofluoromethane (S)	%				84	75	30-150			
Toluene-d8 (S)	%				83	75	30-150			

MATRIX SPIKE SAMPLE: 1034202

Parameter	Units	10166412015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	92	48-136	
1,1,1-Trichloroethane	mg/kg	ND	1.1	1.0	90	57-143	
1,1,2,2-Tetrachloroethane	mg/kg	ND	1.1	1.1	92	47-146	
1,1,2-Trichloroethane	mg/kg	ND	1.1	1.1	96	59-130	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	1.1	1.1	94	38-150	
1,1-Dichloroethane	mg/kg	ND	1.1	1.0	89	59-139	
1,1-Dichloroethene	mg/kg	ND	1.1	0.99	86	44-150	
1,1-Dichloropropene	mg/kg	ND	1.1	1.1	93	68-141	
1,2,3-Trichlorobenzene	mg/kg	ND	1.1	1.1	96	40-144	
1,2,3-Trichloropropane	mg/kg	ND	1.1	0.97	85	49-146	
1,2,4-Trichlorobenzene	mg/kg	ND	1.1	1.1	95	42-141	
1,2,4-Trimethylbenzene	mg/kg	ND	1.1	1.0	87	54-141	
1,2-Dibromo-3-chloropropane	mg/kg	ND	1.1	0.96	84	30-150	
1,2-Dibromoethane (EDB)	mg/kg	ND	1.1	1.0	90	55-130	
1,2-Dichlorobenzene	mg/kg	ND	1.1	1.1	94	61-129	
1,2-Dichloroethane	mg/kg	ND	1.1	1.0	88	57-137	
1,2-Dichloropropane	mg/kg	ND	1.1	1.1	95	54-136	
1,3,5-Trimethylbenzene	mg/kg	ND	1.1	1.0	87	51-147	
1,3-Dichlorobenzene	mg/kg	ND	1.1	1.1	93	59-133	
1,3-Dichloropropane	mg/kg	ND	1.1	1.0	91	52-135	
1,4-Dichlorobenzene	mg/kg	ND	1.1	1.0	90	56-135	
2,2-Dichloropropane	mg/kg	ND	1.1	1.1	93	30-150	
2-Butanone (MEK)	mg/kg	ND	1.1	1.1	94	43-147	
2-Chlorotoluene	mg/kg	ND	1.1	1.1	96	54-144	
4-Chlorotoluene	mg/kg	ND	1.1	1.1	97	57-147	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	1.1	1.0	89	51-136	
Acetone	mg/kg	ND	2.9	2.9	103	40-147	
Allyl chloride	mg/kg	ND	1.1	1.1	93	58-136	
Benzene	mg/kg	ND	1.1	1.1	93	53-138	
Bromobenzene	mg/kg	ND	1.1	1.1	96	56-133	
Bromochloromethane	mg/kg	ND	1.1	1.1	99	58-139	
Bromodichloromethane	mg/kg	ND	1.1	1.1	95	59-129	
Bromoform	mg/kg	ND	1.1	1.1	96	36-137	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1034202

Parameter	Units	10166412015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/kg	ND	1.1	1.3	117	30-150	
Carbon tetrachloride	mg/kg	ND	1.1	1.1	100	42-150	
Chlorobenzene	mg/kg	ND	1.1	1.0	89	60-134	
Chloroethane	mg/kg	ND	1.1	1.1	95	30-150	
Chloroform	mg/kg	ND	1.1	1.0	90	59-138	
Chloromethane	mg/kg	ND	1.1	0.95	83	55-128	
cis-1,2-Dichloroethene	mg/kg	ND	1.1	1.1	93	52-143	
cis-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	95	55-135	
Dibromochloromethane	mg/kg	ND	1.1	1.1	95	47-136	
Dibromomethane	mg/kg	ND	1.1	1.1	93	50-136	
Dichlorodifluoromethane	mg/kg	ND	1.1	0.82	72	30-150	
Dichlorofluoromethane	mg/kg	ND	1.1	1.3	112	56-142	
Diethyl ether (Ethyl ether)	mg/kg	ND	1.1	1.1	94	53-142	
Ethylbenzene	mg/kg	ND	1.1	1.1	94	54-144	
Hexachloro-1,3-butadiene	mg/kg	ND	.58	0.54	94	31-150	
Isopropylbenzene (Cumene)	mg/kg	ND	1.1	1.2	101	58-140	
Methyl-tert-butyl ether	mg/kg	ND	1.1	1.1	93	56-132	
Methylene Chloride	mg/kg	ND	1.1	1.1	92	48-137	
n-Butylbenzene	mg/kg	ND	1.1	1.1	100	50-150	
n-Propylbenzene	mg/kg	ND	1.1	1.1	97	64-142	
Naphthalene	mg/kg	ND	1.1	0.98	86	44-139	
p-Isopropyltoluene	mg/kg	ND	1.1	1.0	90	54-145	
sec-Butylbenzene	mg/kg	ND	1.1	1.1	99	72-135	
Styrene	mg/kg	ND	1.1	1.1	99	57-135	
tert-Butylbenzene	mg/kg	ND	1.1	1.0	90	58-148	
Tetrachloroethene	mg/kg	ND	1.1	1.1	97	54-141	
Tetrahydrofuran	mg/kg	ND	11.5	10.7	93	52-137	
Toluene	mg/kg	ND	1.1	1.1	92	55-141	
trans-1,2-Dichloroethene	mg/kg	ND	1.1	1.0	91	48-148	
trans-1,3-Dichloropropene	mg/kg	ND	1.1	1.1	96	57-130	
Trichloroethene	mg/kg	ND	1.1	1.1	95	51-142	
Trichlorofluoromethane	mg/kg	ND	1.1	0.99	86	50-150	
Vinyl chloride	mg/kg	ND	1.1	1.0	90	55-133	
Xylene (Total)	mg/kg	ND	3.5	3.3	97	52-141	
1,2-Dichloroethane-d4 (S)	%				69	30-150	
4-Bromofluorobenzene (S)	%				75	30-150	
Dibromofluoromethane (S)	%				73	30-150	
Toluene-d8 (S)	%				74	30-150	

SAMPLE DUPLICATE: 1034203

Parameter	Units	10166412016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,1-Trichloroethane	mg/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND		30	
1,1,2-Trichloroethane	mg/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1034203

Parameter	Units	10166412016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	mg/kg	ND	ND		30	
1,1-Dichloroethene	mg/kg	ND	ND		30	
1,1-Dichloropropene	mg/kg	ND	ND		30	
1,2,3-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,3-Trichloropropane	mg/kg	ND	ND		30	
1,2,4-Trichlorobenzene	mg/kg	ND	ND		30	
1,2,4-Trimethylbenzene	mg/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/kg	ND	ND		30	
1,2-Dichlorobenzene	mg/kg	ND	ND		30	
1,2-Dichloroethane	mg/kg	ND	ND		30	
1,2-Dichloropropane	mg/kg	ND	ND		30	
1,3,5-Trimethylbenzene	mg/kg	ND	ND		30	
1,3-Dichlorobenzene	mg/kg	ND	ND		30	
1,3-Dichloropropane	mg/kg	ND	ND		30	
1,4-Dichlorobenzene	mg/kg	ND	ND		30	
2,2-Dichloropropane	mg/kg	ND	ND		30	
2-Butanone (MEK)	mg/kg	ND	ND		30	
2-Chlorotoluene	mg/kg	ND	ND		30	
4-Chlorotoluene	mg/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	ND		30	
Acetone	mg/kg	ND	.7J		30	
Allyl chloride	mg/kg	ND	ND		30	
Benzene	mg/kg	ND	ND		30	
Bromobenzene	mg/kg	ND	ND		30	
Bromochloromethane	mg/kg	ND	ND		30	
Bromodichloromethane	mg/kg	ND	ND		30	
Bromoform	mg/kg	ND	ND		30	
Bromomethane	mg/kg	ND	ND		30	
Carbon tetrachloride	mg/kg	ND	ND		30	
Chlorobenzene	mg/kg	ND	ND		30	
Chloroethane	mg/kg	ND	ND		30	
Chloroform	mg/kg	ND	ND		30	
Chloromethane	mg/kg	ND	ND		30	
cis-1,2-Dichloroethene	mg/kg	ND	ND		30	
cis-1,3-Dichloropropene	mg/kg	ND	ND		30	
Dibromochloromethane	mg/kg	ND	ND		30	
Dibromomethane	mg/kg	ND	ND		30	
Dichlorodifluoromethane	mg/kg	ND	ND		30	
Dichlorofluoromethane	mg/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	mg/kg	ND	ND		30	
Ethylbenzene	mg/kg	ND	ND		30	
Hexachloro-1,3-butadiene	mg/kg	ND	ND		30	
Isopropylbenzene (Cumene)	mg/kg	ND	ND		30	
Methyl-tert-butyl ether	mg/kg	ND	ND		30	
Methylene Chloride	mg/kg	ND	ND		30	
n-Butylbenzene	mg/kg	ND	ND		30	
n-Propylbenzene	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1034203

Parameter	Units	10166412016 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	mg/kg	ND	ND		30	
p-Isopropyltoluene	mg/kg	ND	ND		30	
sec-Butylbenzene	mg/kg	ND	ND		30	
Styrene	mg/kg	ND	ND		30	
tert-Butylbenzene	mg/kg	ND	ND		30	
Tetrachloroethene	mg/kg	ND	ND		30	
Tetrahydrofuran	mg/kg	ND	ND		30	
Toluene	mg/kg	ND	ND		30	
trans-1,2-Dichloroethene	mg/kg	ND	ND		30	
trans-1,3-Dichloropropene	mg/kg	ND	ND		30	
Trichloroethene	mg/kg	ND	ND		30	
Trichlorofluoromethane	mg/kg	ND	ND		30	
Vinyl chloride	mg/kg	ND	ND		30	
Xylene (Total)	mg/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	134	154	15		S3
4-Bromofluorobenzene (S)	%	133	145	10		
Dibromofluoromethane (S)	%	142	157	12		S3
Toluene-d8 (S)	%	126	138	11		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MSV/17680
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166418008

METHOD BLANK: 1034895
Matrix: Water
Associated Lab Samples: 10166418008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloroethene	ug/L	ND	1.0	08/17/11 10:07	
1,1-Dichloropropene	ug/L	ND	1.0	08/17/11 10:07	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichloroethane	ug/L	ND	1.0	08/17/11 10:07	
1,2-Dichloropropane	ug/L	ND	4.0	08/17/11 10:07	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
1,3-Dichloropropane	ug/L	ND	1.0	08/17/11 10:07	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
2,2-Dichloropropane	ug/L	ND	4.0	08/17/11 10:07	
2-Butanone (MEK)	ug/L	ND	4.0	08/17/11 10:07	
2-Chlorotoluene	ug/L	ND	1.0	08/17/11 10:07	
4-Chlorotoluene	ug/L	ND	1.0	08/17/11 10:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/17/11 10:07	
Acetone	ug/L	ND	25.0	08/17/11 10:07	
Allyl chloride	ug/L	ND	4.0	08/17/11 10:07	
Benzene	ug/L	ND	1.0	08/17/11 10:07	
Bromobenzene	ug/L	ND	1.0	08/17/11 10:07	
Bromochloromethane	ug/L	ND	1.0	08/17/11 10:07	
Bromodichloromethane	ug/L	ND	1.0	08/17/11 10:07	
Bromoform	ug/L	ND	4.0	08/17/11 10:07	
Bromomethane	ug/L	ND	4.0	08/17/11 10:07	
Carbon tetrachloride	ug/L	ND	1.0	08/17/11 10:07	
Chlorobenzene	ug/L	ND	1.0	08/17/11 10:07	
Chloroethane	ug/L	ND	1.0	08/17/11 10:07	
Chloroform	ug/L	ND	1.0	08/17/11 10:07	
Chloromethane	ug/L	ND	4.0	08/17/11 10:07	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/17/11 10:07	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 10:07	
Dibromochloromethane	ug/L	ND	1.0	08/17/11 10:07	
Dibromomethane	ug/L	ND	4.0	08/17/11 10:07	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1034895 Matrix: Water

Associated Lab Samples: 10166418008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Dichlorofluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/17/11 10:07	
Ethylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/17/11 10:07	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/17/11 10:07	
m&p-Xylene	ug/L	ND	2.0	08/17/11 10:07	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/17/11 10:07	
Methylene Chloride	ug/L	ND	4.0	08/17/11 10:07	
n-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
n-Propylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Naphthalene	ug/L	ND	4.0	08/17/11 10:07	
o-Xylene	ug/L	ND	1.0	08/17/11 10:07	
p-Isopropyltoluene	ug/L	ND	1.0	08/17/11 10:07	
sec-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Styrene	ug/L	ND	1.0	08/17/11 10:07	
tert-Butylbenzene	ug/L	ND	1.0	08/17/11 10:07	
Tetrachloroethene	ug/L	ND	1.0	08/17/11 10:07	
Tetrahydrofuran	ug/L	ND	10.0	08/17/11 10:07	
Toluene	ug/L	ND	1.0	08/17/11 10:07	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/17/11 10:07	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 10:07	
Trichloroethene	ug/L	ND	1.0	08/17/11 10:07	
Trichlorofluoromethane	ug/L	ND	1.0	08/17/11 10:07	
Vinyl chloride	ug/L	ND	0.40	08/17/11 10:07	
Xylene (Total)	ug/L	ND	3.0	08/17/11 10:07	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/17/11 10:07	
4-Bromofluorobenzene (S)	%	99	75-125	08/17/11 10:07	
Dibromofluoromethane (S)	%	100	75-125	08/17/11 10:07	
Toluene-d8 (S)	%	100	75-125	08/17/11 10:07	

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	75-125	
1,1,1-Trichloroethane	ug/L	20	18.6	93	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	75-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	17.2	86	75-126	
1,1-Dichloroethane	ug/L	20	18.4	92	75-125	
1,1-Dichloroethene	ug/L	20	18.6	93	75-125	
1,1-Dichloropropene	ug/L	20	18.0	90	75-125	
1,2,3-Trichlorobenzene	ug/L	20	18.8	94	68-128	
1,2,3-Trichloropropane	ug/L	20	19.5	97	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.3	91	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.9	95	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	19.3	97	68-125	
1,2-Dibromoethane (EDB)	ug/L	20	19.5	97	75-125	
1,2-Dichlorobenzene	ug/L	20	18.8	94	75-125	
1,2-Dichloroethane	ug/L	20	18.9	95	71-125	
1,2-Dichloropropane	ug/L	20	19.4	97	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.8	94	75-125	
1,3-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,3-Dichloropropane	ug/L	20	19.5	97	75-125	
1,4-Dichlorobenzene	ug/L	20	18.4	92	75-125	
2,2-Dichloropropane	ug/L	20	18.3	91	69-132	
2-Butanone (MEK)	ug/L	20	22.8	114	56-137	
2-Chlorotoluene	ug/L	20	18.7	94	75-125	
4-Chlorotoluene	ug/L	20	18.4	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.5	98	67-125	
Acetone	ug/L	50	67.0	134	41-130	CH,L0
Allyl chloride	ug/L	20	19.1	96	59-130	
Benzene	ug/L	20	18.6	93	75-125	
Bromobenzene	ug/L	20	18.9	94	75-125	
Bromochloromethane	ug/L	20	19.3	96	75-125	
Bromodichloromethane	ug/L	20	19.3	97	75-125	
Bromoform	ug/L	20	19.6	98	75-125	
Bromomethane	ug/L	20	21.7	108	45-138	
Carbon tetrachloride	ug/L	20	18.5	92	75-125	
Chlorobenzene	ug/L	20	19.3	96	75-125	
Chloroethane	ug/L	20	19.3	97	72-125	
Chloroform	ug/L	20	18.7	94	75-125	
Chloromethane	ug/L	20	19.3	96	65-125	
cis-1,2-Dichloroethene	ug/L	20	18.7	93	75-125	
cis-1,3-Dichloropropene	ug/L	20	19.5	97	75-125	
Dibromochloromethane	ug/L	20	19.6	98	75-125	
Dibromomethane	ug/L	20	19.3	96	75-125	
Dichlorodifluoromethane	ug/L	20	17.3	87	55-143	
Dichlorofluoromethane	ug/L	20	18.7	93	75-125	
Diethyl ether (Ethyl ether)	ug/L	20	18.9	94	75-125	
Ethylbenzene	ug/L	20	19.1	95	75-125	
Hexachloro-1,3-butadiene	ug/L	10	8.9	89	69-132	
Isopropylbenzene (Cumene)	ug/L	20	18.9	95	75-125	
m&p-Xylene	ug/L	40	37.9	95	75-125	
Methyl-tert-butyl ether	ug/L	20	19.1	96	75-125	
Methylene Chloride	ug/L	20	19.4	97	75-125	
n-Butylbenzene	ug/L	20	18.3	92	75-125	
n-Propylbenzene	ug/L	20	18.9	94	75-125	
Naphthalene	ug/L	20	19.4	97	74-129	
o-Xylene	ug/L	20	18.6	93	75-125	
p-Isopropyltoluene	ug/L	20	18.9	94	75-125	
sec-Butylbenzene	ug/L	20	18.6	93	75-125	
Styrene	ug/L	20	18.8	94	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1034896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	18.6	93	75-125	
Tetrachloroethene	ug/L	20	18.3	92	75-125	
Tetrahydrofuran	ug/L	200	195	98	64-128	
Toluene	ug/L	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	20	18.7	93	75-125	
trans-1,3-Dichloropropene	ug/L	20	19.5	98	75-125	
Trichloroethene	ug/L	20	18.8	94	75-125	
Trichlorofluoromethane	ug/L	20	18.5	92	75-125	
Vinyl chloride	ug/L	20	17.8	89	74-125	
Xylene (Total)	ug/L	60	56.6	94	75-125	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			98	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 1035818

Parameter	Units	10166526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	20	19.6	98	75-125	
1,1,1-Trichloroethane	ug/L	<1.0	20	21.1	105	75-128	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	18.9	95	75-125	
1,1,2-Trichloroethane	ug/L	<1.0	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	20	23.4	117	75-150	
1,1-Dichloroethane	ug/L	<1.0	20	20.2	101	75-125	
1,1-Dichloroethene	ug/L	<1.0	20	21.0	105	75-134	
1,1-Dichloropropene	ug/L	<1.0	20	21.1	105	75-131	
1,2,3-Trichlorobenzene	ug/L	<1.0	20	18.4	92	67-145	
1,2,3-Trichloropropane	ug/L	<4.0	20	18.9	94	75-125	
1,2,4-Trichlorobenzene	ug/L	<1.0	20	18.3	92	74-138	
1,2,4-Trimethylbenzene	ug/L	<1.0	20	19.8	99	75-126	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	20	18.5	93	68-129	
1,2-Dibromoethane (EDB)	ug/L	<1.0	20	18.9	94	75-125	
1,2-Dichlorobenzene	ug/L	<1.0	20	19.2	96	75-125	
1,2-Dichloroethane	ug/L	<1.0	20	19.9	100	69-129	
1,2-Dichloropropane	ug/L	<4.0	20	19.8	99	75-125	
1,3,5-Trimethylbenzene	ug/L	<1.0	20	19.8	99	75-125	
1,3-Dichlorobenzene	ug/L	<1.0	20	19.2	96	75-125	
1,3-Dichloropropane	ug/L	<1.0	20	19.4	97	75-125	
1,4-Dichlorobenzene	ug/L	<1.0	20	18.9	94	75-125	
2,2-Dichloropropane	ug/L	<4.0	20	21.0	105	69-141	
2-Butanone (MEK)	ug/L	<4.0	20	18.8	94	42-137	
2-Chlorotoluene	ug/L	<1.0	20	19.6	98	68-147	
4-Chlorotoluene	ug/L	<1.0	20	19.4	97	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	20	19.0	95	57-126	
Acetone	ug/L	<25.0	50	41.0	82	34-130	CH
Allyl chloride	ug/L	<4.0	20	20.5	102	53-140	
Benzene	ug/L	<1.0	20	20.3	102	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1035818

Parameter	Units	10166526002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	<1.0	20	19.0	95	75-125	
Bromochloromethane	ug/L	<1.0	20	20.3	102	75-125	
Bromodichloromethane	ug/L	<1.0	20	19.6	98	75-125	
Bromoform	ug/L	<4.0	20	18.1	91	75-125	
Bromomethane	ug/L	<4.0	20	18.5	92	41-150	
Carbon tetrachloride	ug/L	<1.0	20	21.5	107	75-135	
Chlorobenzene	ug/L	<1.0	20	19.8	99	75-125	
Chloroethane	ug/L	<1.0	20	22.4	112	71-139	
Chloroform	ug/L	<1.0	20	20.0	100	75-125	
Chloromethane	ug/L	<4.0	20	23.2	116	65-144	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20.1	101	75-125	
cis-1,3-Dichloropropene	ug/L	<4.0	20	19.4	97	75-125	
Dibromochloromethane	ug/L	<1.0	20	18.5	92	75-125	
Dibromomethane	ug/L	<4.0	20	19.1	96	75-125	
Dichlorodifluoromethane	ug/L	<1.0	20	24.0	120	55-150	
Dichlorofluoromethane	ug/L	<1.0	20	20.7	104	75-129	
Diethyl ether (Ethyl ether)	ug/L	<4.0	20	19.5	97	75-125	
Ethylbenzene	ug/L	<1.0	20	20.4	102	75-137	
Hexachloro-1,3-butadiene	ug/L	<5.0	10	9.1	91	69-150	
Isopropylbenzene (Cumene)	ug/L	<1.0	20	20.3	102	75-125	
m&p-Xylene	ug/L	<2.0	40	41.9	105	71-133	
Methyl-tert-butyl ether	ug/L	<1.0	20	19.2	96	75-125	
Methylene Chloride	ug/L	<4.0	20	19.3	96	75-125	
n-Butylbenzene	ug/L	<1.0	20	19.8	99	75-141	
n-Propylbenzene	ug/L	<1.0	20	20.3	101	75-132	
Naphthalene	ug/L	<4.0	20	18.3	91	74-138	
o-Xylene	ug/L	<1.0	20	20.4	102	75-128	
p-Isopropyltoluene	ug/L	<1.0	20	20.1	101	75-133	
sec-Butylbenzene	ug/L	<1.0	20	20.0	100	75-136	
Styrene	ug/L	<1.0	20	20.0	100	72-125	
tert-Butylbenzene	ug/L	<1.0	20	19.8	99	75-132	
Tetrachloroethene	ug/L	<1.0	20	20.4	102	75-126	
Tetrahydrofuran	ug/L	<10.0	200	203	101	64-128	
Toluene	ug/L	<1.0	20	19.8	99	75-125	
trans-1,2-Dichloroethene	ug/L	<4.0	20	20.1	101	75-127	
trans-1,3-Dichloropropene	ug/L	<4.0	20	19.0	95	75-125	
Trichloroethene	ug/L	<1.0	20	20.0	100	75-125	
Trichlorofluoromethane	ug/L	<1.0	20	23.7	119	75-150	
Vinyl chloride	ug/L	<0.40	20	21.2	106	74-142	
Xylene (Total)	ug/L	<3.0	60	62.3	104	73-132	
1,2-Dichloroethane-d4 (S)	%				105	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				103	75-125	
Toluene-d8 (S)	%				99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1035819

Parameter	Units	10166527001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,1-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethene	ug/L	<1.0	ND		30	
1,1-Dichloropropene	ug/L	<1.0	ND		30	
1,2,3-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,3-Trichloropropane	ug/L	<4.0	ND		30	
1,2,4-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,4-Trimethylbenzene	ug/L	<1.0	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	ND		30	
1,2-Dibromoethane (EDB)	ug/L	<1.0	ND		30	
1,2-Dichlorobenzene	ug/L	<1.0	ND		30	
1,2-Dichloroethane	ug/L	<1.0	ND		30	
1,2-Dichloropropane	ug/L	<4.0	ND		30	
1,3,5-Trimethylbenzene	ug/L	<1.0	ND		30	
1,3-Dichlorobenzene	ug/L	<1.0	ND		30	
1,3-Dichloropropane	ug/L	<1.0	ND		30	
1,4-Dichlorobenzene	ug/L	<1.0	ND		30	
2,2-Dichloropropane	ug/L	<4.0	ND		30	
2-Butanone (MEK)	ug/L	<4.0	ND		30	
2-Chlorotoluene	ug/L	<1.0	ND		30	
4-Chlorotoluene	ug/L	<1.0	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	ND		30	
Acetone	ug/L	<25.0	ND		30	
Allyl chloride	ug/L	<4.0	ND		30	
Benzene	ug/L	<1.0	ND		30	
Bromobenzene	ug/L	<1.0	ND		30	
Bromochloromethane	ug/L	<1.0	ND		30	
Bromodichloromethane	ug/L	<1.0	ND		30	
Bromoform	ug/L	<4.0	ND		30	
Bromomethane	ug/L	<4.0	ND		30	
Carbon tetrachloride	ug/L	<1.0	ND		30	
Chlorobenzene	ug/L	<1.0	ND		30	
Chloroethane	ug/L	<1.0	ND		30	
Chloroform	ug/L	<1.0	ND		30	
Chloromethane	ug/L	<4.0	ND		30	
cis-1,2-Dichloroethene	ug/L	<1.0	ND		30	
cis-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Dibromochloromethane	ug/L	<1.0	ND		30	
Dibromomethane	ug/L	<4.0	ND		30	
Dichlorodifluoromethane	ug/L	<1.0	ND		30	
Dichlorofluoromethane	ug/L	<1.0	ND		30	
Diethyl ether (Ethyl ether)	ug/L	<4.0	ND		30	
Ethylbenzene	ug/L	<1.0	ND		30	
Hexachloro-1,3-butadiene	ug/L	<5.0	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1035819

Parameter	Units	10166527001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<1.0	ND		30	
m&p-Xylene	ug/L	<2.0	ND		30	
Methyl-tert-butyl ether	ug/L	<1.0	ND		30	
Methylene Chloride	ug/L	<4.0	ND		30	
n-Butylbenzene	ug/L	<1.0	ND		30	
n-Propylbenzene	ug/L	<1.0	ND		30	
Naphthalene	ug/L	<4.0	ND		30	
o-Xylene	ug/L	<1.0	ND		30	
p-Isopropyltoluene	ug/L	<1.0	ND		30	
sec-Butylbenzene	ug/L	<1.0	ND		30	
Styrene	ug/L	<1.0	ND		30	
tert-Butylbenzene	ug/L	<1.0	ND		30	
Tetrachloroethene	ug/L	<1.0	ND		30	
Tetrahydrofuran	ug/L	<10.0	ND		30	
Toluene	ug/L	<1.0	ND		30	
trans-1,2-Dichloroethene	ug/L	<4.0	ND		30	
trans-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Trichloroethene	ug/L	<1.0	ND		30	
Trichlorofluoromethane	ug/L	<1.0	ND		30	
Vinyl chloride	ug/L	<0.40	ND		30	
Xylene (Total)	ug/L	<3.0	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	105	2		
4-Bromofluorobenzene (S)	%	99	99	.7		
Dibromofluoromethane (S)	%	104	104	.4		
Toluene-d8 (S)	%	100	99	.08		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MSV/17687 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166418009

METHOD BLANK: 1035446 Matrix: Water
Associated Lab Samples: 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1-Dichloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,1-Dichloroethene	ug/L	ND	1.0	08/17/11 20:04	
1,1-Dichloropropene	ug/L	ND	1.0	08/17/11 20:04	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/17/11 20:04	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/17/11 20:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/17/11 20:04	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/17/11 20:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
1,2-Dichloroethane	ug/L	ND	1.0	08/17/11 20:04	
1,2-Dichloropropane	ug/L	ND	4.0	08/17/11 20:04	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/17/11 20:04	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
1,3-Dichloropropane	ug/L	ND	1.0	08/17/11 20:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
2,2-Dichloropropane	ug/L	ND	4.0	08/17/11 20:04	
2-Butanone (MEK)	ug/L	ND	4.0	08/17/11 20:04	
2-Chlorotoluene	ug/L	ND	1.0	08/17/11 20:04	
4-Chlorotoluene	ug/L	ND	1.0	08/17/11 20:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/17/11 20:04	
Acetone	ug/L	ND	25.0	08/17/11 20:04	
Allyl chloride	ug/L	ND	4.0	08/17/11 20:04	
Benzene	ug/L	ND	1.0	08/17/11 20:04	
Bromobenzene	ug/L	ND	1.0	08/17/11 20:04	
Bromochloromethane	ug/L	ND	1.0	08/17/11 20:04	
Bromodichloromethane	ug/L	ND	1.0	08/17/11 20:04	
Bromoform	ug/L	ND	4.0	08/17/11 20:04	
Bromomethane	ug/L	ND	4.0	08/17/11 20:04	
Carbon tetrachloride	ug/L	ND	1.0	08/17/11 20:04	
Chlorobenzene	ug/L	ND	1.0	08/17/11 20:04	
Chloroethane	ug/L	ND	1.0	08/17/11 20:04	
Chloroform	ug/L	ND	1.0	08/17/11 20:04	
Chloromethane	ug/L	ND	4.0	08/17/11 20:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/17/11 20:04	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 20:04	
Dibromochloromethane	ug/L	ND	1.0	08/17/11 20:04	
Dibromomethane	ug/L	ND	4.0	08/17/11 20:04	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1035446 Matrix: Water

Associated Lab Samples: 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/17/11 20:04	
Dichlorofluoromethane	ug/L	ND	1.0	08/17/11 20:04	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/17/11 20:04	
Ethylbenzene	ug/L	ND	1.0	08/17/11 20:04	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/17/11 20:04	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/17/11 20:04	
m&p-Xylene	ug/L	ND	2.0	08/17/11 20:04	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/17/11 20:04	
Methylene Chloride	ug/L	ND	4.0	08/17/11 20:04	
n-Butylbenzene	ug/L	ND	1.0	08/17/11 20:04	
n-Propylbenzene	ug/L	ND	1.0	08/17/11 20:04	
Naphthalene	ug/L	ND	4.0	08/17/11 20:04	
o-Xylene	ug/L	ND	1.0	08/17/11 20:04	
p-Isopropyltoluene	ug/L	ND	1.0	08/17/11 20:04	
sec-Butylbenzene	ug/L	ND	1.0	08/17/11 20:04	
Styrene	ug/L	ND	1.0	08/17/11 20:04	
tert-Butylbenzene	ug/L	ND	1.0	08/17/11 20:04	
Tetrachloroethene	ug/L	ND	1.0	08/17/11 20:04	
Tetrahydrofuran	ug/L	ND	10.0	08/17/11 20:04	
Toluene	ug/L	ND	1.0	08/17/11 20:04	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/17/11 20:04	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/17/11 20:04	
Trichloroethene	ug/L	ND	1.0	08/17/11 20:04	
Trichlorofluoromethane	ug/L	ND	1.0	08/17/11 20:04	
Vinyl chloride	ug/L	ND	0.40	08/17/11 20:04	
Xylene (Total)	ug/L	ND	3.0	08/17/11 20:04	
1,2-Dichloroethane-d4 (S)	%	103	75-125	08/17/11 20:04	
4-Bromofluorobenzene (S)	%	98	75-125	08/17/11 20:04	
Dibromofluoromethane (S)	%	102	75-125	08/17/11 20:04	
Toluene-d8 (S)	%	99	75-125	08/17/11 20:04	

LABORATORY CONTROL SAMPLE: 1035447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	100	75-125	
1,1,1-Trichloroethane	ug/L	20	19.5	97	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	75-125	
1,1,2-Trichloroethane	ug/L	20	20.2	101	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	16.2	81	75-126	
1,1-Dichloroethane	ug/L	20	19.9	99	75-125	
1,1-Dichloroethene	ug/L	20	19.0	95	75-125	
1,1-Dichloropropene	ug/L	20	18.9	95	75-125	
1,2,3-Trichlorobenzene	ug/L	20	19.5	98	68-128	
1,2,3-Trichloropropane	ug/L	20	19.7	99	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.3	96	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1035447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.3	97	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	20.2	101	68-125	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	75-125	
1,2-Dichlorobenzene	ug/L	20	19.5	98	75-125	
1,2-Dichloroethane	ug/L	20	20.4	102	71-125	
1,2-Dichloropropane	ug/L	20	20.0	100	75-125	
1,3,5-Trimethylbenzene	ug/L	20	19.3	97	75-125	
1,3-Dichlorobenzene	ug/L	20	19.0	95	75-125	
1,3-Dichloropropane	ug/L	20	20.6	103	75-125	
1,4-Dichlorobenzene	ug/L	20	19.4	97	75-125	
2,2-Dichloropropane	ug/L	20	19.1	95	69-132	
2-Butanone (MEK)	ug/L	20	19.6	98	56-137	
2-Chlorotoluene	ug/L	20	19.3	97	75-125	
4-Chlorotoluene	ug/L	20	19.2	96	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.4	102	67-125	
Acetone	ug/L	50	40.9	82	41-130	
Allyl chloride	ug/L	20	20.0	100	59-130	
Benzene	ug/L	20	19.6	98	75-125	
Bromobenzene	ug/L	20	19.5	98	75-125	
Bromochloromethane	ug/L	20	20.9	105	75-125	
Bromodichloromethane	ug/L	20	20.2	101	75-125	
Bromoform	ug/L	20	19.5	98	75-125	
Bromomethane	ug/L	20	21.0	105	45-138	
Carbon tetrachloride	ug/L	20	19.2	96	75-125	
Chlorobenzene	ug/L	20	19.6	98	75-125	
Chloroethane	ug/L	20	20.3	101	72-125	
Chloroform	ug/L	20	19.8	99	75-125	
Chloromethane	ug/L	20	20.6	103	65-125	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.1	101	75-125	
Dibromochloromethane	ug/L	20	19.8	99	75-125	
Dibromomethane	ug/L	20	20.3	102	75-125	
Dichlorodifluoromethane	ug/L	20	15.3	77	55-143	
Dichlorofluoromethane	ug/L	20	19.4	97	75-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.9	100	75-125	
Ethylbenzene	ug/L	20	19.4	97	75-125	
Hexachloro-1,3-butadiene	ug/L	10	9.3	93	69-132	
Isopropylbenzene (Cumene)	ug/L	20	19.2	96	75-125	
m&p-Xylene	ug/L	40	38.8	97	75-125	
Methyl-tert-butyl ether	ug/L	20	20.1	100	75-125	
Methylene Chloride	ug/L	20	19.8	99	75-125	
n-Butylbenzene	ug/L	20	18.6	93	75-125	
n-Propylbenzene	ug/L	20	19.2	96	75-125	
Naphthalene	ug/L	20	20.3	101	74-129	
o-Xylene	ug/L	20	19.5	98	75-125	
p-Isopropyltoluene	ug/L	20	19.1	95	75-125	
sec-Butylbenzene	ug/L	20	19.0	95	75-125	
Styrene	ug/L	20	19.7	99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1035447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	18.7	94	75-125	
Tetrachloroethene	ug/L	20	18.6	93	75-125	
Tetrahydrofuran	ug/L	200	215	107	64-128	
Toluene	ug/L	20	19.3	96	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.5	98	75-125	
trans-1,3-Dichloropropene	ug/L	20	19.7	98	75-125	
Trichloroethene	ug/L	20	19.3	96	75-125	
Trichlorofluoromethane	ug/L	20	17.6	88	75-125	
Vinyl chloride	ug/L	20	18.5	92	74-125	
Xylene (Total)	ug/L	60	58.3	97	75-125	
1,2-Dichloroethane-d4 (S)	%			104	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			101	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1035981

Parameter	Units	10166588002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	19.3	97	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	20.9	105	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	18.8	94	75-125	
1,1,2-Trichloroethane	ug/L	ND	20	19.2	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	22.9	115	75-150	
1,1-Dichloroethane	ug/L	ND	20	20.0	100	75-125	
1,1-Dichloroethene	ug/L	ND	20	21.2	106	75-134	
1,1-Dichloropropene	ug/L	ND	20	20.7	104	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.0	95	67-145	
1,2,3-Trichloropropane	ug/L	ND	20	18.4	92	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.5	93	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	20	19.6	98	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.9	95	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.9	94	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.1	96	75-125	
1,2-Dichloroethane	ug/L	ND	20	19.6	98	69-129	
1,2-Dichloropropane	ug/L	ND	20	20.0	100	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	19.8	99	75-125	
1,3-Dichlorobenzene	ug/L	ND	20	18.9	94	75-125	
1,3-Dichloropropane	ug/L	ND	20	19.2	96	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	18.8	94	75-125	
2,2-Dichloropropane	ug/L	ND	20	20.3	102	69-141	
2-Butanone (MEK)	ug/L	ND	20	17.9	89	42-137	
2-Chlorotoluene	ug/L	ND	20	19.1	96	68-147	
4-Chlorotoluene	ug/L	ND	20	18.9	94	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	18.8	94	57-126	
Acetone	ug/L	ND	50	37.1	74	34-130	
Allyl chloride	ug/L	ND	20	20.8	104	53-140	
Benzene	ug/L	ND	20	20.0	100	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1035981

Parameter	Units	10166588002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	19.1	95	75-125	
Bromochloromethane	ug/L	ND	20	20.1	100	75-125	
Bromodichloromethane	ug/L	ND	20	19.6	98	75-125	
Bromoform	ug/L	ND	20	18.4	92	75-125	
Bromomethane	ug/L	ND	20	22.9	115	41-150	
Carbon tetrachloride	ug/L	ND	20	21.4	107	75-135	
Chlorobenzene	ug/L	ND	20	19.5	97	75-125	
Chloroethane	ug/L	ND	20	22.6	113	71-139	
Chloroform	ug/L	ND	20	19.8	99	75-125	
Chloromethane	ug/L	ND	20	21.8	109	65-144	
cis-1,2-Dichloroethene	ug/L	ND	20	20.2	101	75-125	
cis-1,3-Dichloropropene	ug/L	ND	20	19.1	95	75-125	
Dibromochloromethane	ug/L	ND	20	18.8	94	75-125	
Dibromomethane	ug/L	ND	20	19.1	96	75-125	
Dichlorodifluoromethane	ug/L	ND	20	23.8	119	55-150	
Dichlorofluoromethane	ug/L	ND	20	20.5	103	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	20	19.2	96	75-125	
Ethylbenzene	ug/L	ND	20	19.8	99	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	10	9.7	97	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.1	101	75-125	
m&p-Xylene	ug/L	ND	40	39.7	99	71-133	
Methyl-tert-butyl ether	ug/L	ND	20	19.1	96	75-125	
Methylene Chloride	ug/L	ND	20	18.9	94	75-125	
n-Butylbenzene	ug/L	ND	20	19.9	99	75-141	
n-Propylbenzene	ug/L	ND	20	19.9	100	75-132	
Naphthalene	ug/L	ND	20	18.8	94	74-138	
o-Xylene	ug/L	ND	20	19.5	98	75-128	
p-Isopropyltoluene	ug/L	ND	20	20.1	100	75-133	
sec-Butylbenzene	ug/L	ND	20	20.1	100	75-136	
Styrene	ug/L	ND	20	19.5	98	72-125	
tert-Butylbenzene	ug/L	ND	20	19.8	99	75-132	
Tetrachloroethene	ug/L	ND	20	20.1	101	75-126	
Tetrahydrofuran	ug/L	ND	200	200	100	64-128	
Toluene	ug/L	ND	20	19.5	98	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	20.4	102	75-127	
trans-1,3-Dichloropropene	ug/L	ND	20	18.9	95	75-125	
Trichloroethene	ug/L	ND	20	20.3	102	75-125	
Trichlorofluoromethane	ug/L	ND	20	24.2	121	75-150	
Vinyl chloride	ug/L	ND	20	21.9	109	74-142	
Xylene (Total)	ug/L	ND	60	59.2	99	73-132	
1,2-Dichloroethane-d4 (S)	%				103	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Dibromofluoromethane (S)	%				101	75-125	
Toluene-d8 (S)	%				99	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1035982

Parameter	Units	10166588003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1035982

Parameter	Units	10166588003 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	103	.2		
4-Bromofluorobenzene (S)	%	99	99	.2		
Dibromofluoromethane (S)	%	103	102	.8		
Toluene-d8 (S)	%	97	97	.1		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: MSV/17703
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10166418005

METHOD BLANK: 1036761
Matrix: Water
Associated Lab Samples: 10166418005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1-Dichloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,1-Dichloroethene	ug/L	ND	1.0	08/19/11 10:33	
1,1-Dichloropropene	ug/L	ND	1.0	08/19/11 10:33	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
1,2,3-Trichloropropane	ug/L	ND	4.0	08/19/11 10:33	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	08/19/11 10:33	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	08/19/11 10:33	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/19/11 10:33	
1,2-Dichlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
1,2-Dichloroethane	ug/L	ND	1.0	08/19/11 10:33	
1,2-Dichloropropane	ug/L	ND	4.0	08/19/11 10:33	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	08/19/11 10:33	
1,3-Dichlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
1,3-Dichloropropane	ug/L	ND	1.0	08/19/11 10:33	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
2,2-Dichloropropane	ug/L	ND	4.0	08/19/11 10:33	
2-Butanone (MEK)	ug/L	ND	4.0	08/19/11 10:33	
2-Chlorotoluene	ug/L	ND	1.0	08/19/11 10:33	
4-Chlorotoluene	ug/L	ND	1.0	08/19/11 10:33	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	08/19/11 10:33	
Acetone	ug/L	ND	25.0	08/19/11 10:33	
Allyl chloride	ug/L	ND	4.0	08/19/11 10:33	
Benzene	ug/L	ND	1.0	08/19/11 10:33	
Bromobenzene	ug/L	ND	1.0	08/19/11 10:33	
Bromochloromethane	ug/L	ND	1.0	08/19/11 10:33	
Bromodichloromethane	ug/L	ND	1.0	08/19/11 10:33	
Bromoform	ug/L	ND	4.0	08/19/11 10:33	
Bromomethane	ug/L	ND	4.0	08/19/11 10:33	
Carbon tetrachloride	ug/L	ND	1.0	08/19/11 10:33	
Chlorobenzene	ug/L	ND	1.0	08/19/11 10:33	
Chloroethane	ug/L	ND	1.0	08/19/11 10:33	
Chloroform	ug/L	ND	1.0	08/19/11 10:33	
Chloromethane	ug/L	ND	4.0	08/19/11 10:33	
cis-1,2-Dichloroethene	ug/L	ND	1.0	08/19/11 10:33	
cis-1,3-Dichloropropene	ug/L	ND	4.0	08/19/11 10:33	
Dibromochloromethane	ug/L	ND	1.0	08/19/11 10:33	
Dibromomethane	ug/L	ND	4.0	08/19/11 10:33	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

METHOD BLANK: 1036761 Matrix: Water

Associated Lab Samples: 10166418005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	08/19/11 10:33	
Dichlorofluoromethane	ug/L	ND	1.0	08/19/11 10:33	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	08/19/11 10:33	
Ethylbenzene	ug/L	ND	1.0	08/19/11 10:33	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/19/11 10:33	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	08/19/11 10:33	
m&p-Xylene	ug/L	ND	2.0	08/19/11 10:33	
Methyl-tert-butyl ether	ug/L	ND	1.0	08/19/11 10:33	
Methylene Chloride	ug/L	ND	4.0	08/19/11 10:33	
n-Butylbenzene	ug/L	ND	1.0	08/19/11 10:33	
n-Propylbenzene	ug/L	ND	1.0	08/19/11 10:33	
Naphthalene	ug/L	ND	4.0	08/19/11 10:33	
o-Xylene	ug/L	ND	1.0	08/19/11 10:33	
p-Isopropyltoluene	ug/L	ND	1.0	08/19/11 10:33	
sec-Butylbenzene	ug/L	ND	1.0	08/19/11 10:33	
Styrene	ug/L	ND	1.0	08/19/11 10:33	
tert-Butylbenzene	ug/L	ND	1.0	08/19/11 10:33	
Tetrachloroethene	ug/L	ND	1.0	08/19/11 10:33	
Tetrahydrofuran	ug/L	ND	10.0	08/19/11 10:33	
Toluene	ug/L	ND	1.0	08/19/11 10:33	
trans-1,2-Dichloroethene	ug/L	ND	4.0	08/19/11 10:33	
trans-1,3-Dichloropropene	ug/L	ND	4.0	08/19/11 10:33	
Trichloroethene	ug/L	ND	1.0	08/19/11 10:33	
Trichlorofluoromethane	ug/L	ND	1.0	08/19/11 10:33	
Vinyl chloride	ug/L	ND	0.40	08/19/11 10:33	
Xylene (Total)	ug/L	ND	3.0	08/19/11 10:33	
1,2-Dichloroethane-d4 (S)	%	120	75-125	08/19/11 10:33	
4-Bromofluorobenzene (S)	%	105	75-125	08/19/11 10:33	
Dibromofluoromethane (S)	%	110	75-125	08/19/11 10:33	
Toluene-d8 (S)	%	101	75-125	08/19/11 10:33	

LABORATORY CONTROL SAMPLE: 1036762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.2	104	75-125	
1,1,1-Trichloroethane	ug/L	50	58.4	117	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	52.6	105	75-125	
1,1,2-Trichloroethane	ug/L	50	54.0	108	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.1	110	75-126	
1,1-Dichloroethane	ug/L	50	60.0	120	75-125	
1,1-Dichloroethene	ug/L	50	62.6	125	75-125	
1,1-Dichloropropene	ug/L	50	59.9	120	75-125	
1,2,3-Trichlorobenzene	ug/L	50	48.7	97	68-128	
1,2,3-Trichloropropane	ug/L	50	56.4	113	75-125	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1036762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	51.0	102	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	52.5	105	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	75-125	
1,2-Dichlorobenzene	ug/L	50	49.5	99	75-125	
1,2-Dichloroethane	ug/L	50	60.2	120	71-125	
1,2-Dichloropropane	ug/L	50	56.8	114	75-125	
1,3,5-Trimethylbenzene	ug/L	50	52.7	105	75-125	
1,3-Dichlorobenzene	ug/L	50	50.3	101	75-125	
1,3-Dichloropropane	ug/L	50	52.9	106	75-125	
1,4-Dichlorobenzene	ug/L	50	50.7	101	75-125	
2,2-Dichloropropane	ug/L	50	59.9	120	69-132	
2-Butanone (MEK)	ug/L	50	56.8	114	56-137	
2-Chlorotoluene	ug/L	50	52.2	104	75-125	
4-Chlorotoluene	ug/L	50	53.0	106	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.3	115	67-125	
Acetone	ug/L	125	119	96	41-130	
Allyl chloride	ug/L	50	65.7	131	59-130	L0
Benzene	ug/L	50	57.4	115	75-125	
Bromobenzene	ug/L	50	49.4	99	75-125	
Bromochloromethane	ug/L	50	53.5	107	75-125	
Bromodichloromethane	ug/L	50	56.5	113	75-125	
Bromoform	ug/L	50	45.1	90	75-125	
Bromomethane	ug/L	50	66.7	133	45-138	
Carbon tetrachloride	ug/L	50	57.6	115	75-125	
Chlorobenzene	ug/L	50	50.9	102	75-125	
Chloroethane	ug/L	50	44.8	90	72-125	
Chloroform	ug/L	50	57.9	116	75-125	
Chloromethane	ug/L	50	63.6	127	65-125	L0
cis-1,2-Dichloroethene	ug/L	50	56.9	114	75-125	
cis-1,3-Dichloropropene	ug/L	50	56.3	113	75-125	
Dibromochloromethane	ug/L	50	51.9	104	75-125	
Dibromomethane	ug/L	50	54.6	109	75-125	
Dichlorodifluoromethane	ug/L	50	47.8	96	55-143	
Dichlorofluoromethane	ug/L	50	61.5	123	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	62.1	124	75-125	
Ethylbenzene	ug/L	50	52.4	105	75-125	
Hexachloro-1,3-butadiene	ug/L	25	23.8	95	69-132	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	75-125	
m&p-Xylene	ug/L	100	106	106	75-125	
Methyl-tert-butyl ether	ug/L	50	54.6	109	75-125	
Methylene Chloride	ug/L	50	54.3	109	75-125	
n-Butylbenzene	ug/L	50	55.0	110	75-125	
n-Propylbenzene	ug/L	50	53.5	107	75-125	
Naphthalene	ug/L	50	49.5	99	74-129	
o-Xylene	ug/L	50	51.5	103	75-125	
p-Isopropyltoluene	ug/L	50	52.2	104	75-125	
sec-Butylbenzene	ug/L	50	52.4	105	75-125	
Styrene	ug/L	50	51.5	103	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

LABORATORY CONTROL SAMPLE: 1036762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	51.2	102	75-125	
Tetrachloroethene	ug/L	50	49.1	98	75-125	
Tetrahydrofuran	ug/L	500	603	121	64-128	
Toluene	ug/L	50	51.2	102	75-125	
trans-1,2-Dichloroethene	ug/L	50	57.7	115	75-125	
trans-1,3-Dichloropropene	ug/L	50	53.9	108	75-125	
Trichloroethene	ug/L	50	52.1	104	75-125	
Trichlorofluoromethane	ug/L	50	51.6	103	75-125	
Vinyl chloride	ug/L	50	61.6	123	74-125	
Xylene (Total)	ug/L	150	157	105	75-125	
1,2-Dichloroethane-d4 (S)	%			114	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Dibromofluoromethane (S)	%			110	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 1037016

Parameter	Units	10166860001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	54.0	108	75-125	
1,1,1-Trichloroethane	ug/L	<1.0	50	64.2	128	75-128	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	54.4	109	75-125	
1,1,2-Trichloroethane	ug/L	<1.0	50	55.4	111	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	76.6	153	75-150	M1
1,1-Dichloroethane	ug/L	<1.0	50	63.6	127	75-125	M1
1,1-Dichloroethene	ug/L	<1.0	50	69.5	139	75-134	M1
1,1-Dichloropropene	ug/L	<1.0	50	66.9	134	75-131	M1
1,2,3-Trichlorobenzene	ug/L	<1.0	50	49.1	98	67-145	
1,2,3-Trichloropropane	ug/L	<4.0	50	55.4	111	75-125	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	49.9	100	74-138	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	53.8	108	75-126	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	50	53.8	108	68-129	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	53.1	106	75-125	
1,2-Dichlorobenzene	ug/L	<1.0	50	51.9	104	75-125	
1,2-Dichloroethane	ug/L	<1.0	50	60.8	122	69-129	
1,2-Dichloropropane	ug/L	<4.0	50	59.6	119	75-125	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	55.9	112	75-125	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.6	105	75-125	
1,3-Dichloropropane	ug/L	<1.0	50	53.6	107	75-125	
1,4-Dichlorobenzene	ug/L	<1.0	50	52.6	105	75-125	
2,2-Dichloropropane	ug/L	<4.0	50	66.2	132	69-141	
2-Butanone (MEK)	ug/L	<4.0	50	54.0	108	42-137	
2-Chlorotoluene	ug/L	<1.0	50	55.1	110	68-147	
4-Chlorotoluene	ug/L	<1.0	50	55.6	111	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	50	58.2	116	57-126	
Acetone	ug/L	<25.0	125	105	84	34-130	
Allyl chloride	ug/L	<4.0	50	69.8	140	53-140	
Benzene	ug/L	<1.0	50	61.1	122	73-136	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

MATRIX SPIKE SAMPLE: 1037016

Parameter	Units	10166860001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	<1.0	50	52.3	105	75-125	
Bromochloromethane	ug/L	<1.0	50	55.2	110	75-125	
Bromodichloromethane	ug/L	<1.0	50	58.4	117	75-125	
Bromoform	ug/L	<4.0	50	45.9	92	75-125	
Bromomethane	ug/L	<4.0	50	48.7	97	41-150	
Carbon tetrachloride	ug/L	<1.0	50	66.7	133	75-135	
Chlorobenzene	ug/L	<1.0	50	53.7	107	75-125	
Chloroethane	ug/L	<1.0	50	38.0	76	71-139	
Chloroform	ug/L	<1.0	50	60.6	121	75-125	
Chloromethane	ug/L	<4.0	50	65.8	132	65-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	61.4	123	75-125	
cis-1,3-Dichloropropene	ug/L	<4.0	50	57.5	115	75-125	
Dibromochloromethane	ug/L	<1.0	50	53.2	106	75-125	
Dibromomethane	ug/L	<4.0	50	55.9	112	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	69.7	139	55-150	
Dichlorofluoromethane	ug/L	<1.0	50	64.3	129	75-129	
Diethyl ether (Ethyl ether)	ug/L	<4.0	50	64.6	129	75-125	M1
Ethylbenzene	ug/L	<1.0	50	56.4	113	75-137	
Hexachloro-1,3-butadiene	ug/L	<5.0	25	24.8	99	69-150	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	55.5	111	75-125	
m&p-Xylene	ug/L	<2.0	100	113	113	71-133	
Methyl-tert-butyl ether	ug/L	<1.0	50	56.5	113	75-125	
Methylene Chloride	ug/L	<4.0	50	55.6	111	75-125	
n-Butylbenzene	ug/L	<1.0	50	58.5	117	75-141	
n-Propylbenzene	ug/L	<1.0	50	57.5	115	75-132	
Naphthalene	ug/L	<4.0	50	54.8	110	74-138	
o-Xylene	ug/L	<1.0	50	54.0	108	75-128	
p-Isopropyltoluene	ug/L	<1.0	50	55.6	111	75-133	
sec-Butylbenzene	ug/L	<1.0	50	56.5	113	75-136	
Styrene	ug/L	<1.0	50	54.3	109	72-125	
tert-Butylbenzene	ug/L	<1.0	50	55.5	111	75-132	
Tetrachloroethene	ug/L	<1.0	50	54.3	109	75-126	
Tetrahydrofuran	ug/L	<10.0	500	607	121	64-128	
Toluene	ug/L	<1.0	50	53.8	108	75-125	
trans-1,2-Dichloroethene	ug/L	<4.0	50	62.7	125	75-127	
trans-1,3-Dichloropropene	ug/L	<4.0	50	54.8	110	75-125	
Trichloroethene	ug/L	<1.0	50	56.6	113	75-125	
Trichlorofluoromethane	ug/L	<1.0	50	64.6	129	75-150	
Vinyl chloride	ug/L	<0.40	50	66.9	134	74-142	
Xylene (Total)	ug/L	<3.0	150	167	111	73-132	
1,2-Dichloroethane-d4 (S)	%				113	75-125	
4-Bromofluorobenzene (S)	%				101	75-125	
Dibromofluoromethane (S)	%				109	75-125	
Toluene-d8 (S)	%				101	75-125	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1037015

Parameter	Units	10166785012 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,1-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichloroethane	ug/L	<1.0	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethane	ug/L	<1.0	ND		30	
1,1-Dichloroethene	ug/L	<1.0	ND		30	
1,1-Dichloropropene	ug/L	<1.0	ND		30	
1,2,3-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,3-Trichloropropane	ug/L	<4.0	ND		30	
1,2,4-Trichlorobenzene	ug/L	<1.0	ND		30	
1,2,4-Trimethylbenzene	ug/L	<1.0	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	<4.0	ND		30	
1,2-Dibromoethane (EDB)	ug/L	<1.0	ND		30	
1,2-Dichlorobenzene	ug/L	<1.0	ND		30	
1,2-Dichloroethane	ug/L	<1.0	ND		30	
1,2-Dichloropropane	ug/L	<4.0	ND		30	
1,3,5-Trimethylbenzene	ug/L	<1.0	ND		30	
1,3-Dichlorobenzene	ug/L	<1.0	ND		30	
1,3-Dichloropropane	ug/L	<1.0	ND		30	
1,4-Dichlorobenzene	ug/L	<1.0	ND		30	
2,2-Dichloropropane	ug/L	<4.0	ND		30	
2-Butanone (MEK)	ug/L	<4.0	ND		30	
2-Chlorotoluene	ug/L	<1.0	ND		30	
4-Chlorotoluene	ug/L	<1.0	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	<4.0	ND		30	
Acetone	ug/L	<25.0	ND		30	
Allyl chloride	ug/L	<4.0	ND		30	
Benzene	ug/L	<1.0	ND		30	
Bromobenzene	ug/L	<1.0	ND		30	
Bromochloromethane	ug/L	<1.0	ND		30	
Bromodichloromethane	ug/L	<1.0	ND		30	
Bromoform	ug/L	<4.0	ND		30	
Bromomethane	ug/L	<4.0	ND		30	
Carbon tetrachloride	ug/L	<1.0	ND		30	
Chlorobenzene	ug/L	<1.0	ND		30	
Chloroethane	ug/L	<1.0	ND		30	
Chloroform	ug/L	<1.0	ND		30	
Chloromethane	ug/L	<4.0	ND		30	
cis-1,2-Dichloroethene	ug/L	<1.0	ND		30	
cis-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Dibromochloromethane	ug/L	<1.0	ND		30	
Dibromomethane	ug/L	<4.0	ND		30	
Dichlorodifluoromethane	ug/L	<1.0	ND		30	
Dichlorofluoromethane	ug/L	<1.0	ND		30	
Diethyl ether (Ethyl ether)	ug/L	<4.0	ND		30	
Ethylbenzene	ug/L	<1.0	ND		30	
Hexachloro-1,3-butadiene	ug/L	<5.0	ND		30	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

SAMPLE DUPLICATE: 1037015

Parameter	Units	10166785012 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<1.0	ND		30	
m&p-Xylene	ug/L	<2.0	ND		30	
Methyl-tert-butyl ether	ug/L	<1.0	ND		30	
Methylene Chloride	ug/L	<4.0	ND		30	
n-Butylbenzene	ug/L	<1.0	ND		30	
n-Propylbenzene	ug/L	<1.0	ND		30	
Naphthalene	ug/L	<4.0	ND		30	
o-Xylene	ug/L	<1.0	ND		30	
p-Isopropyltoluene	ug/L	<1.0	ND		30	
sec-Butylbenzene	ug/L	<1.0	ND		30	
Styrene	ug/L	<1.0	ND		30	
tert-Butylbenzene	ug/L	<1.0	ND		30	
Tetrachloroethene	ug/L	<1.0	ND		30	
Tetrahydrofuran	ug/L	<10.0	ND		30	
Toluene	ug/L	<1.0	ND		30	
trans-1,2-Dichloroethene	ug/L	<4.0	ND		30	
trans-1,3-Dichloropropene	ug/L	<4.0	ND		30	
Trichloroethene	ug/L	<1.0	ND		30	
Trichlorofluoromethane	ug/L	<1.0	ND		30	
Vinyl chloride	ug/L	<0.40	ND		30	
Xylene (Total)	ug/L	<3.0	ND		30	
1,2-Dichloroethane-d4 (S)	%	116	117	1		
4-Bromofluorobenzene (S)	%	107	106	1		
Dibromofluoromethane (S)	%	109	110	.5		
Toluene-d8 (S)	%	101	101	.05		

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: WETA/17304 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 10166418004, 10166418007

METHOD BLANK: 861105 Matrix: Solid
Associated Lab Samples: 10166418004, 10166418007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.15	08/17/11 19:15	

LABORATORY CONTROL SAMPLE: 861106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3.1	3.1	99	80-120	

MATRIX SPIKE SAMPLE: 861107

Parameter	Units	10166204003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	ND	4.09	2.9	69	30-116	

SAMPLE DUPLICATE: 861108

Parameter	Units	10166204005 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/kg	0.19	ND		25	

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QUALITY CONTROL DATA

Project: STLOU 106311 REV
Pace Project No.: 10166418

QC Batch: WETA/10927 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: SM4500CN-E Cyanide
Associated Lab Samples: 10166418008, 10166418009

METHOD BLANK: 1035735 Matrix: Water
Associated Lab Samples: 10166418008, 10166418009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/19/11 10:41	

LABORATORY CONTROL SAMPLE: 1035736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	250	247	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035737 1035738

Parameter	Units	10166412003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	ND	250	250	196	244	77	96	80-120	22	30	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035739 1035740

Parameter	Units	10166353005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	ug/L	<10.0	250	250	241	243	96	97	80-120	1	30	

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Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166418

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

WORKORDER QUALIFIERS

WO: 10166418

[1]	Samples in this workorder were received in the laboratory without an associated trip blank.

BATCH QUALIFIERS

Batch: MSSV/7008

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Sample exceeded the WIGRO weight requirement.
2M	The sample was re-weighed into a new container because the original container was not tared.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
G2	The sample weight in the container did not meet method specifications.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: STLOU 106311 REV
Pace Project No.: 10166418

ANALYTE QUALIFIERS

S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
T6	High boiling point hydrocarbons are present in the sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166418002	**GP-31-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166418004	**GP-32-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166418007	**GP-33-8**	WI MOD DRO	OEXT/16352	WI MOD DRO	GCSV/8480
10166418008	**GP-33-8W**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166418009	**Equip Blank**	WI MOD DRO	OEXT/16342	WI MOD DRO	GCSV/8486
10166418004	**GP-32-8**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166418007	**GP-33-8**	TPH GRO/PVOC WI ext.	GCV/8301	WI MOD GRO	GCV/8302
10166418008	**GP-33-8W**	WI MOD GRO	GCV/8298		
10166418009	**Equip Blank**	WI MOD GRO	GCV/8298		
10166418001	**GP-31-4**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166418002	**GP-31-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166418004	**GP-32-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166418006	**GP-33-3**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166418007	**GP-33-8**	EPA 3050	MPRP/27749	EPA 6010	ICP/11759
10166418007	**GP-33-8**	EPA 3010	MPRP/28156	EPA 6010	ICP/11895
10166418008	**GP-33-8W**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166418009	**Equip Blank**	EPA 3010	MPRP/27752	EPA 6010	ICP/11762
10166418008	**GP-33-8W**	EPA 7470	MERP/5812	EPA 7470	MERC/6618
10166418009	**Equip Blank**	EPA 7470	MERP/5813	EPA 7470	MERC/6611
10166418001	**GP-31-4**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166418002	**GP-31-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166418004	**GP-32-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166418006	**GP-33-3**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166418007	**GP-33-8**	EPA 7471	MERP/5807	EPA 7471	MERC/6609
10166418001	**GP-31-4**	% Moisture	MPRP/27821		
10166418002	**GP-31-8**	% Moisture	MPRP/27821		
10166418004	**GP-32-8**	% Moisture	MPRP/27821		
10166418006	**GP-33-3**	% Moisture	MPRP/27821		
10166418007	**GP-33-8**	% Moisture	MPRP/27821		
10166418001	**GP-31-4**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166418002	**GP-31-8**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166418004	**GP-32-8**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166418006	**GP-33-3**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166418007	**GP-33-8**	EPA 3550	OEXT/16356	EPA 8270	MSSV/7006
10166418005	**GP-32-8W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166418008	**GP-33-8W**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166418009	**Equip Blank**	EPA 3520	OEXT/16361	EPA 8270	MSSV/7008
10166418001	**GP-31-4**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675
10166418002	**GP-31-8**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675
10166418004	**GP-32-8**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675
10166418006	**GP-33-3**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675
10166418007	**GP-33-8**	EPA 5035/5030B	MSV/17674	EPA 8260	MSV/17675

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STLOU 106311 REV
Pace Project No.: 10166418

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10166418005	**GP-32-8W**	EPA 8260	MSV/17703		
10166418008	**GP-33-8W**	EPA 8260	MSV/17680		
10166418009	**Equip Blank**	EPA 8260	MSV/17687		
10166418004	**GP-32-8**	SM 4500-CN-E	WETA/17304		
10166418007	**GP-33-8**	SM 4500-CN-E	WETA/17304		
10166418008	**GP-33-8W**	SM 4500-CN-E	WETA/10927		
10166418009	**Equip Blank**	SM 4500-CN-E	WETA/10927		

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Report Date: 18-Aug-2011 09:29

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0059.D
Lab Smp Id: 10166418002
Inj Date : 17-AUG-2011 22:07
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166418002,5
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 36
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	5.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	2 DRO	1.370	-2.650		126776441	951.895	190
$	5 n-Triacontane (S)	2.727	2.720	0.007	9890747	106.804	21.4(aRM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0059.D

Report Date: 08/18/2011

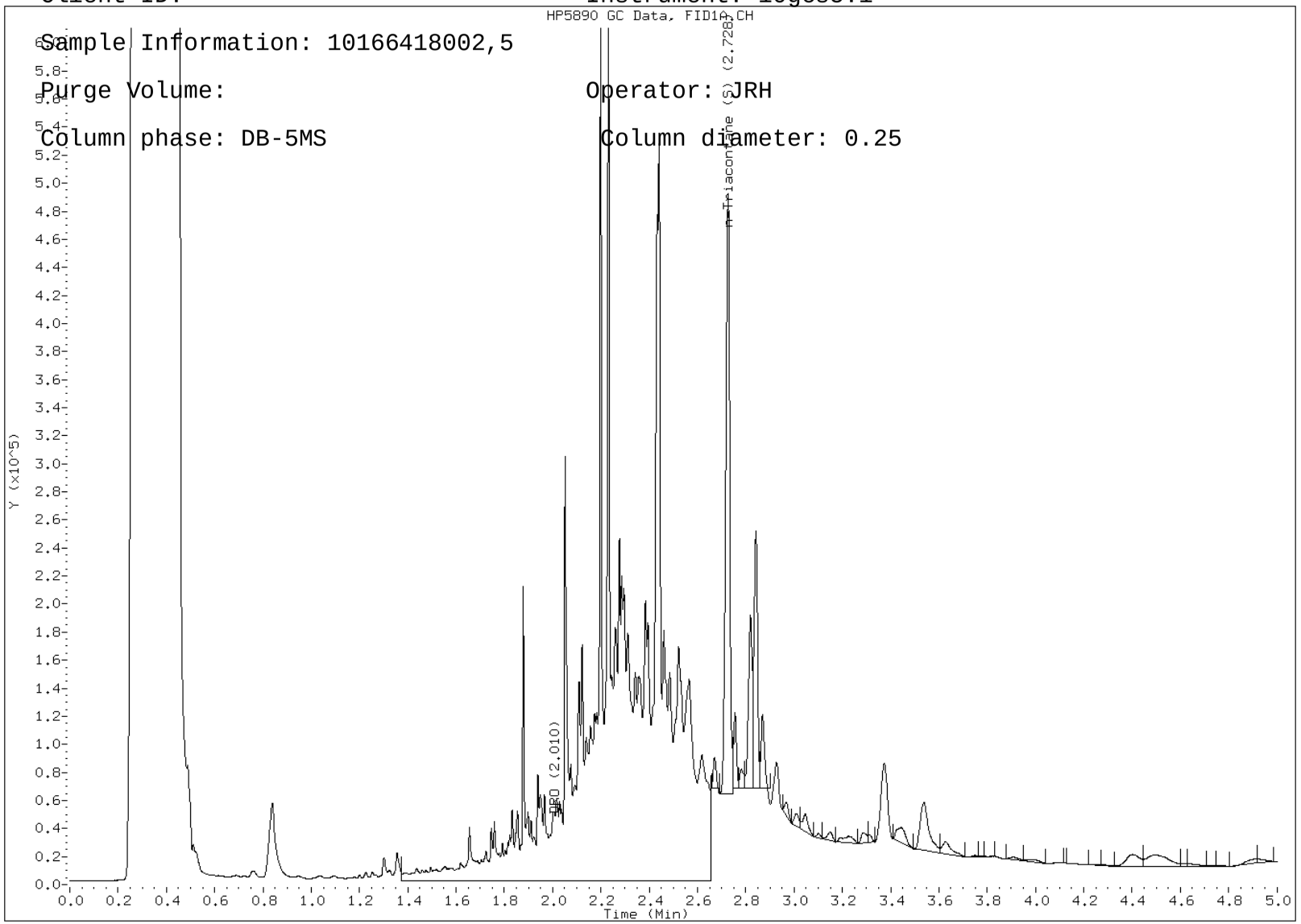
Sample ID: 10166418002

Client ID: Instrument: 10gcs5.i

Sample Information: 10166418002,5

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:28

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0057.D
Lab Smp Id: 10166418007
Inj Date : 17-AUG-2011 21:52
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166418007
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)
S	2 DRO	1.370	-2.650		403368305	3079.17	123
$	5 n-Triacontane (S)	2.738	2.720	0.018	20675432	224.292	8.97(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0057.D

Report Date: 08/18/2011

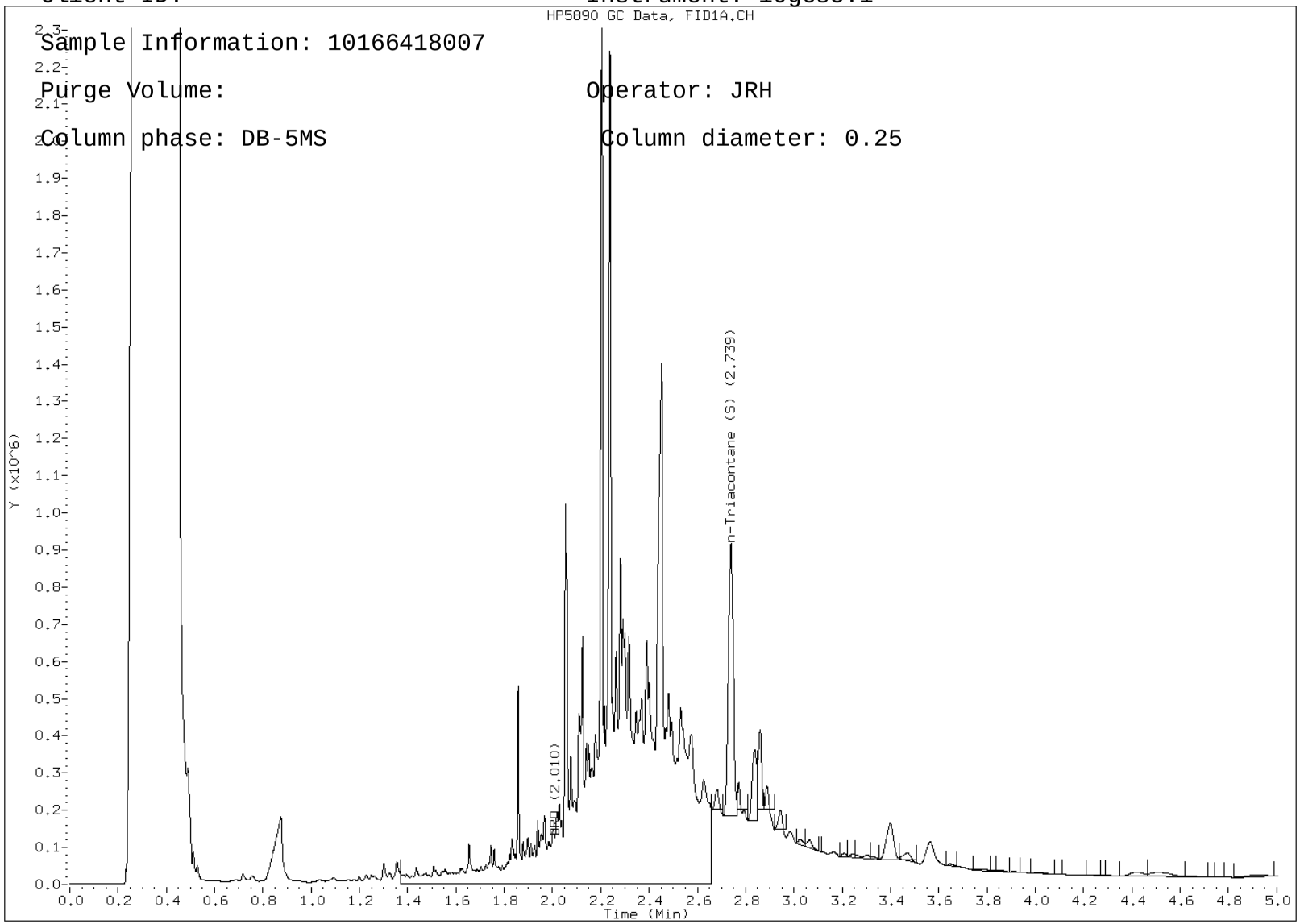
Sample ID: 10166418007

Client ID: Instrument: 10gcs5.i

Sample Information: 10166418007

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 18-Aug-2011 09:36

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Data file : \\192.168.10.12\chem\10gcs5.i\081711f.b\229F0047.D
Lab Smp Id: 10166418004
Inj Date : 17-AUG-2011 20:35
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166418004
Misc Info : 8480
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081711f.b\WDRO5-081611F.m
Meth Date : 18-Aug-2011 08:35 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/(Ws * Vi*(100-M)/100) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1.000	Volume of final extract (mL)
Ws	25.000	Weight of sample extracted (g)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/kg)	
S 2 DRO	1.370	-2.650		12296436	71.4263	2.86(a)	
$ 5 n-Triacontane (S)	2.720	2.720	0.000	8557935	92.2848	3.69(aM)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081711f.b/229F0047.D

Report Date: 08/18/2011

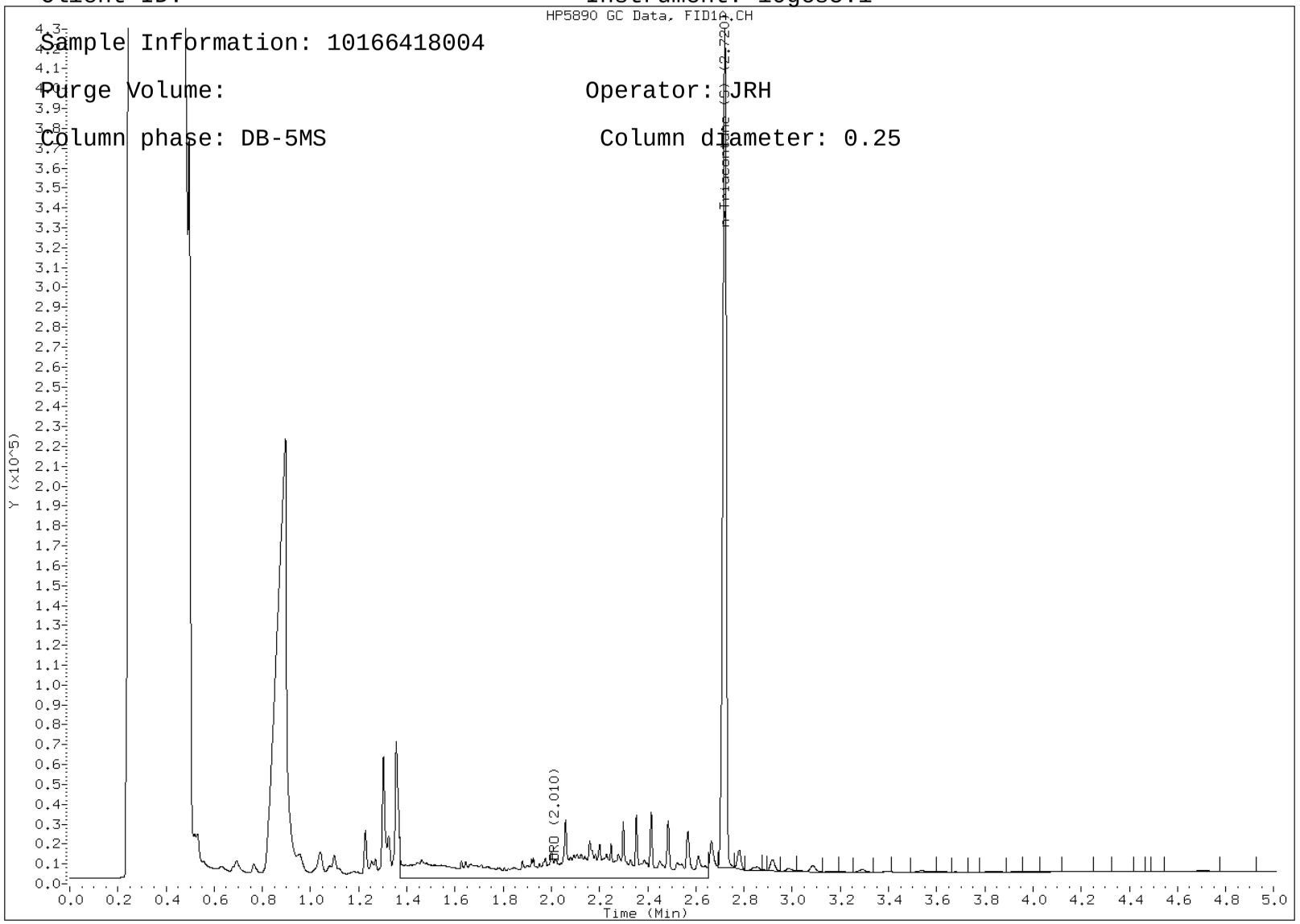
Sample ID: 10166418004

Client ID: Instrument: 10gcs5.i

Sample Information: 10166418004

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



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Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0011.D
Lab Smp Id: 10166418008
Inj Date : 19-AUG-2011 10:32
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166418008
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		11827558	67.8201	0.0678
$	5 n-Triacontane (S)	2.715	2.720	-0.005	3374507	35.8168	0.0358(M)

QC Flag Legend

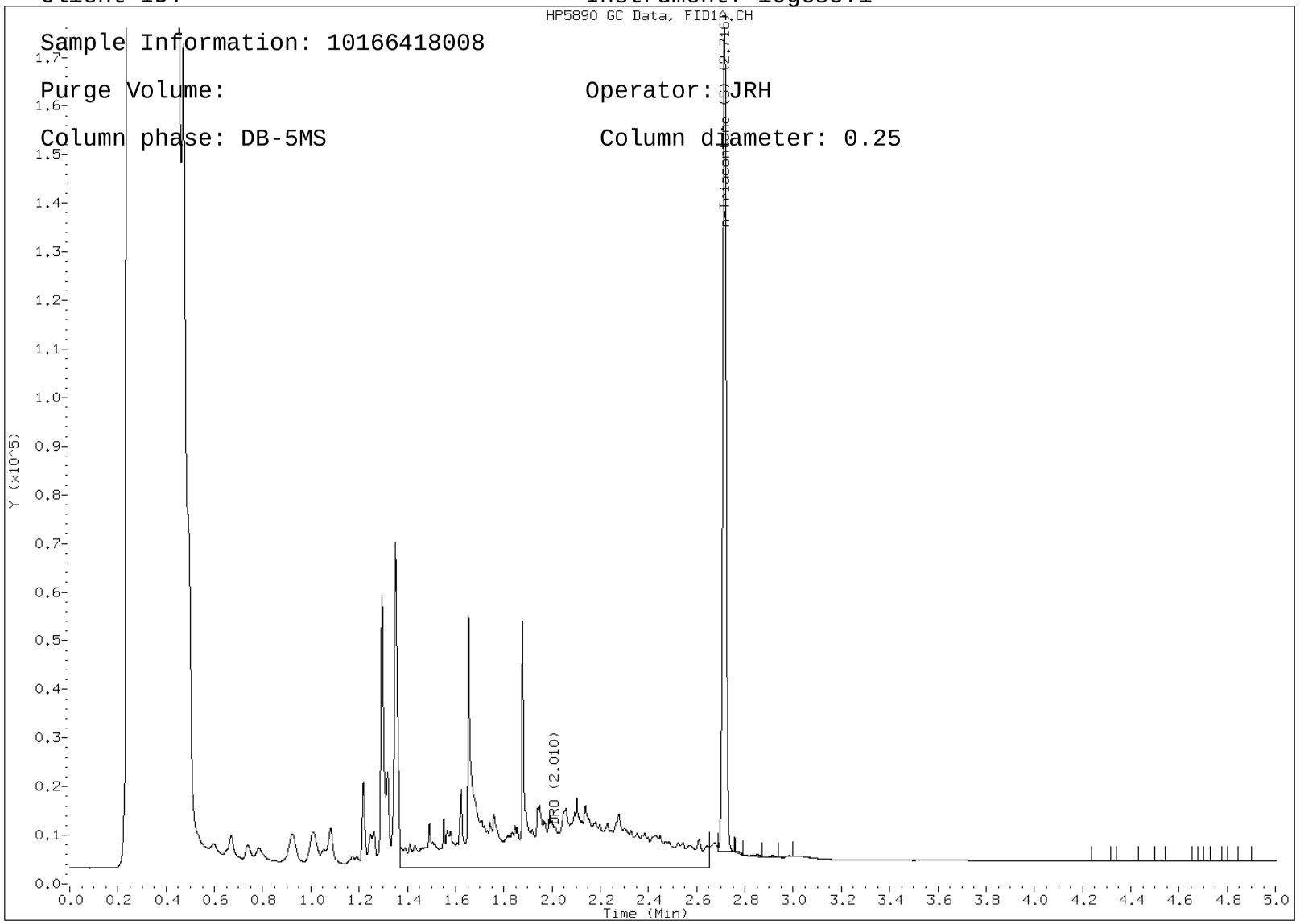
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0011.D

Report Date: 08/19/2011

Sample ID: 10166418008

Client ID: Instrument: 10gcs5.i



Sample Information: 10166418008

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25

Pace Analytical Services

WI Dept of Nat. Resources- WIDRO

Data file : \\192.168.10.12\chem\10gcs5.i\081911f.b\231F0012.D
Lab Smp Id: 10166418009
Inj Date : 19-AUG-2011 10:40
Operator : JRH Inst ID: 10gcs5.i
Smp Info : 10166418009
Misc Info : 8486
Comment   : C10-C28 DRO
Method   : \\192.168.10.12\chem\10gcs5.i\081911f.b\WDRO5-081611F.m
Meth Date : 19-Aug-2011 09:47 jheinecke Quant Type: ESTD
Cal Date : 16-AUG-2011 13:59 Cal File: 228F0022.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA3

Concentration Formula: Amt * DF * Uf * Vt/ (Vo * Vi) * CpndVariable

Name	Value	Description

DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(mg/L)
S	2 DRO	1.370	-2.650		6733378	28.6407	0.0286
$	5 n-Triacontane (S)	2.713	2.720	-0.007	3651124	38.8303	0.0388(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcs5.i\081911f.b/231F0012.D

Report Date: 08/19/2011

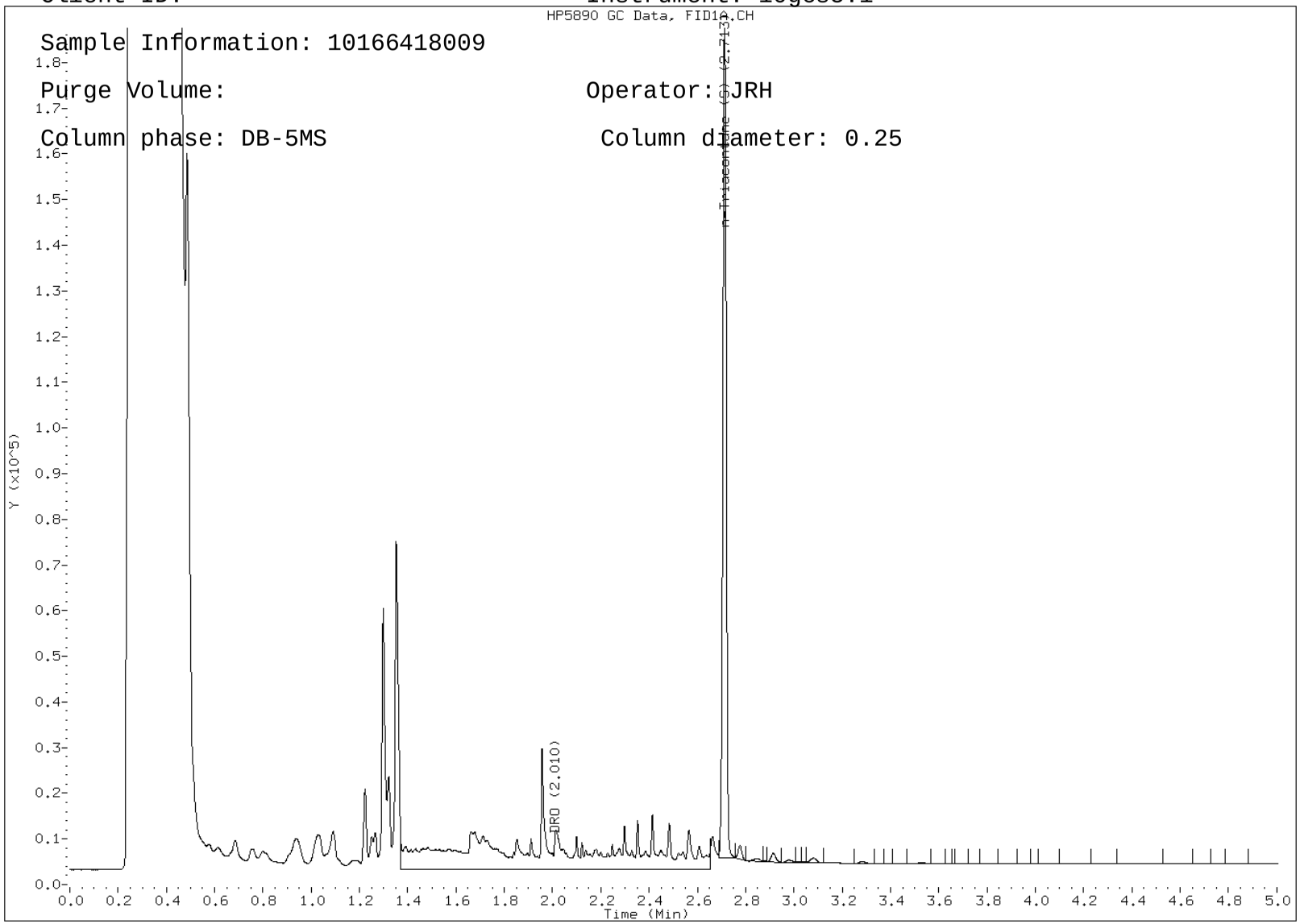
Sample ID: 10166418009

Client ID: Instrument: 10gcs5.i

Sample Information: 10166418009

Purge Volume: Operator: JRH

Column phase: DB-5MS Column diameter: 0.25



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23034.d
Lab Smp Id: 10166418004
Inj Date : 18-AUG-2011 23:43
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418004
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23034.d

Report Date: 08/19/2011

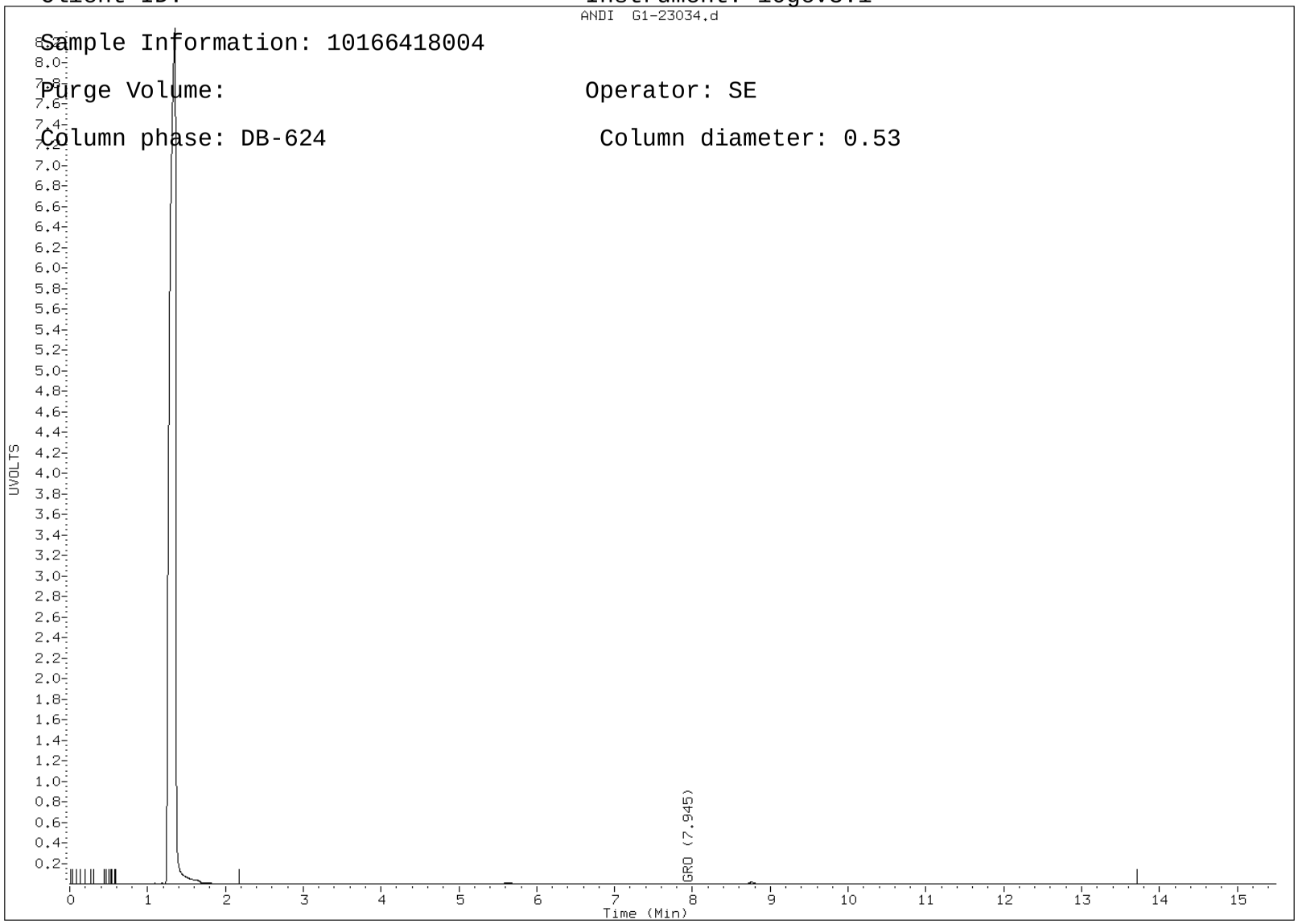
Sample ID: 10166418004

Client ID: Instrument: 10gcv3.i

Sample Information: 10166418004

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:52

Pace Analytical Services, Inc.

WIGRO GASOLINE RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G1-23035.d
Lab Smp Id: 10166418007
Inj Date : 19-AUG-2011 00:05
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418007
Misc Info : 8302
Comment   : WIGRO GASOLINE RANGE ORGANICS
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-2.b\G311-GROsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ESTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total volume of methanol extract (mL)
Ws	10.000	Weight of the sample extracted (g)
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of methanol added(

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(mg/Kg)
S 5 GRO	2.180-13.710			2224105	47.3753	2.369(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-2.b/G1-23035.d

Report Date: 08/19/2011

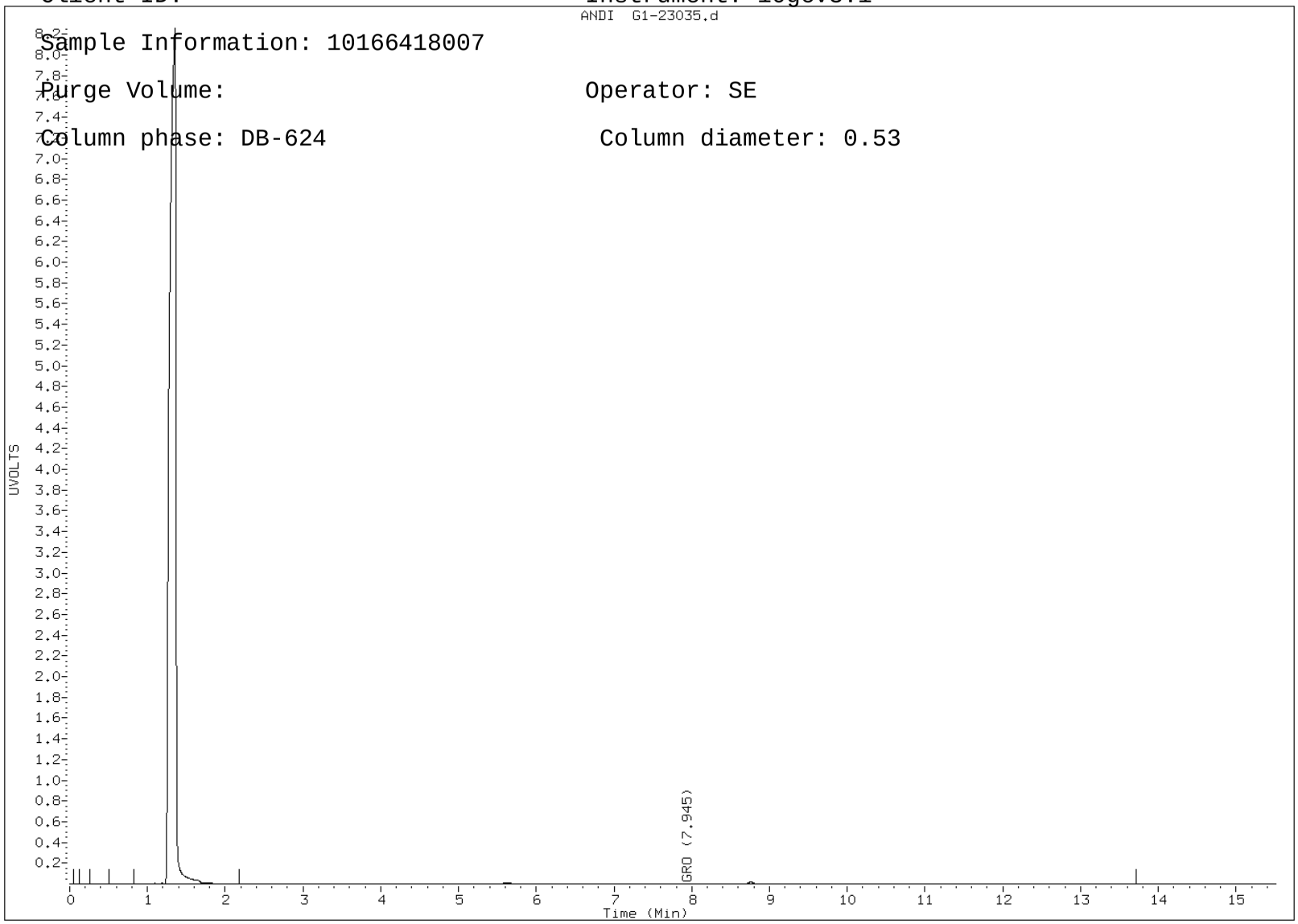
Sample ID: 10166418007

Client ID: Instrument: 10gcv3.i

Sample Information: 10166418007

Purge Volume: Operator: SE

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23035.d
Lab Smp Id: 10166418007
Inj Date : 19-AUG-2011 00:05
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418007
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.280	4.270	(0.489)	651	0.32838	0.0164(a)
$	3 a,a,a-Trifluorotoluene (S)	5.626	5.630	(0.643)	35670	20.1691	1.01
	4 Toluene	7.126	7.123	(0.814)	2812	1.26388	0.0632
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	80456	20.0000	
	6 Ethylbenzene	9.383	9.383	(1.072)	1226	0.54140	0.0271(M)
	7 m&p-Xylene	9.563	9.563	(1.092)	5295	2.01862	0.101(M)
	8 o-Xylene	10.110	10.106	(1.155)	2159	0.90134	0.0451(M)
	10 1,3,5-Trimethylbenzene	11.216	11.213	(1.281)	2995	0.84875	0.0424(M)
	11 1,2,4-Trimethylbenzene	11.563	11.563	(1.321)	4251	1.50318	0.0752(M)
	12 Naphthalene	13.570	13.566	(1.550)	18542	10.1802	0.509(M)

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23035.d

Report Date: 08/19/2011

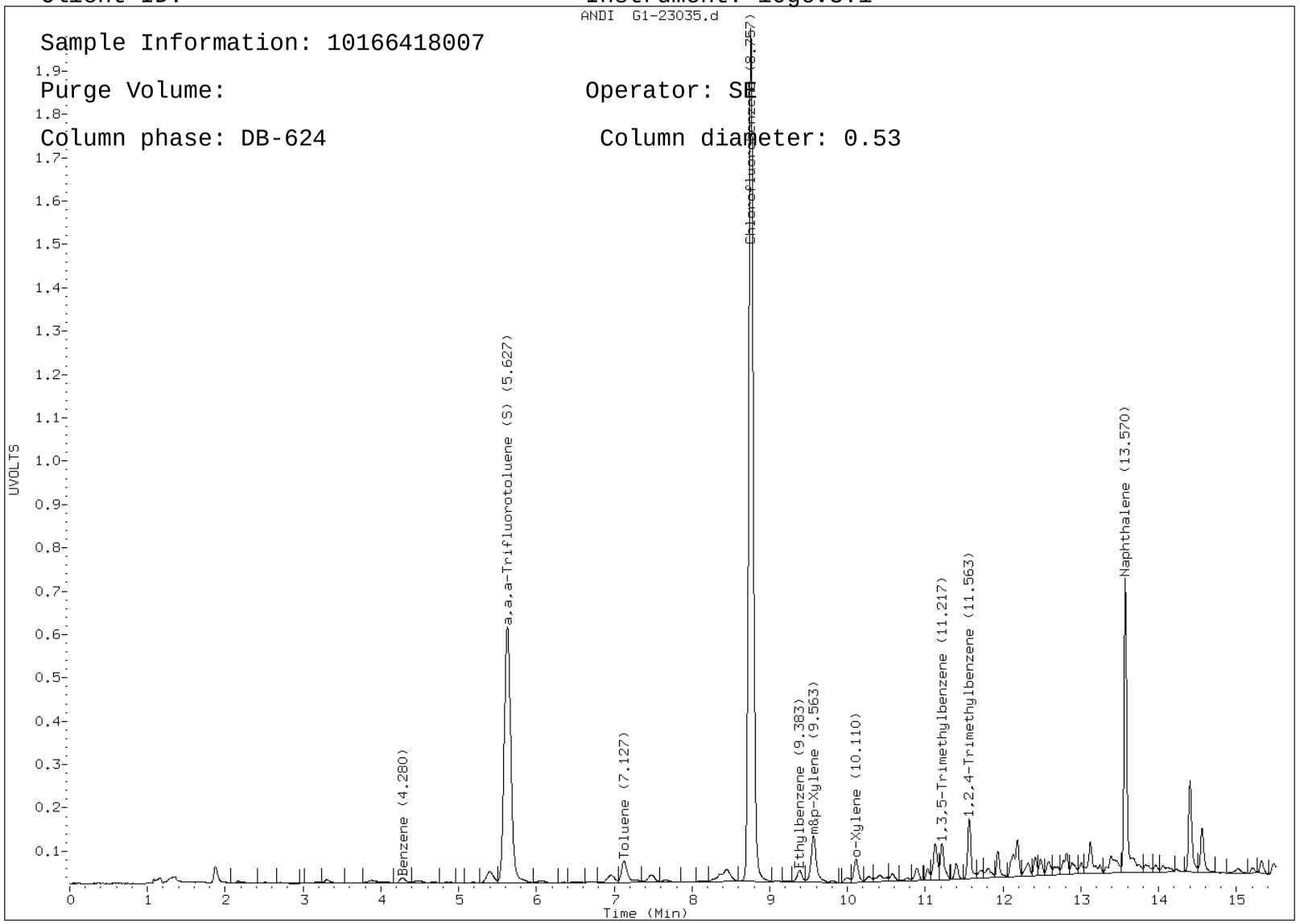
Sample ID: 10166418007

Client ID: Instrument: 10gcv3.i

Sample Information: 10166418007

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 19-Aug-2011 09:48

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G1-23034.d
Lab Smp Id: 10166418004
Inj Date : 18-AUG-2011 23:43
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418004
Misc Info : 8302
Comment   : PVOC - MODIFIED 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081811b-1.b\G311-BTEXsoil229.m
Meth Date : 19-Aug-2011 07:30 sellefson Quant Type: ISTD
Cal Date : 17-AUG-2011 19:43 Cal File: G1-22922.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * Uf * Vt / (Va * Ws * (100-M)/100) * CpndVariab

Name	Value	Description

DF	1.000	Dilution Factor
Uf	5.000	Unit correction factor
Vt	10.000	Total Volume of the methanol extract (mL
Ws	10.000	Weight of the sample extracted
M	0.00000	% Moisture
Va	100.000	Volume of the aliquot of the methanol ex

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(mg/Kg)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.623	5.630	(0.642)	35440	20.3114	1.02
	4 Toluene	7.130	7.123	(0.814)	412	0.18770	0.00938(a)
*	5 Chlorofluorobenzene	8.756	8.760	(1.000)	79377	20.0000	
	6 Ethylbenzene	9.383	9.383	(1.072)	120	0.05371	0.00268(a)
	7 m&p-Xylene	9.570	9.563	(1.093)	286	0.11051	0.00552(a)
	8 o-Xylene	10.126	10.106	(1.156)	214	0.09055	0.00453(a)
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.573	11.563	(1.322)	177	0.06344	0.00317(a)
	12 Naphthalene	13.576	13.566	(1.550)	660	1.69027	0.0845

QC Flag Legend

a - Target compound detected but, quantitated amount

Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\081811b-1.b/G1-23034.d

Report Date: 08/19/2011

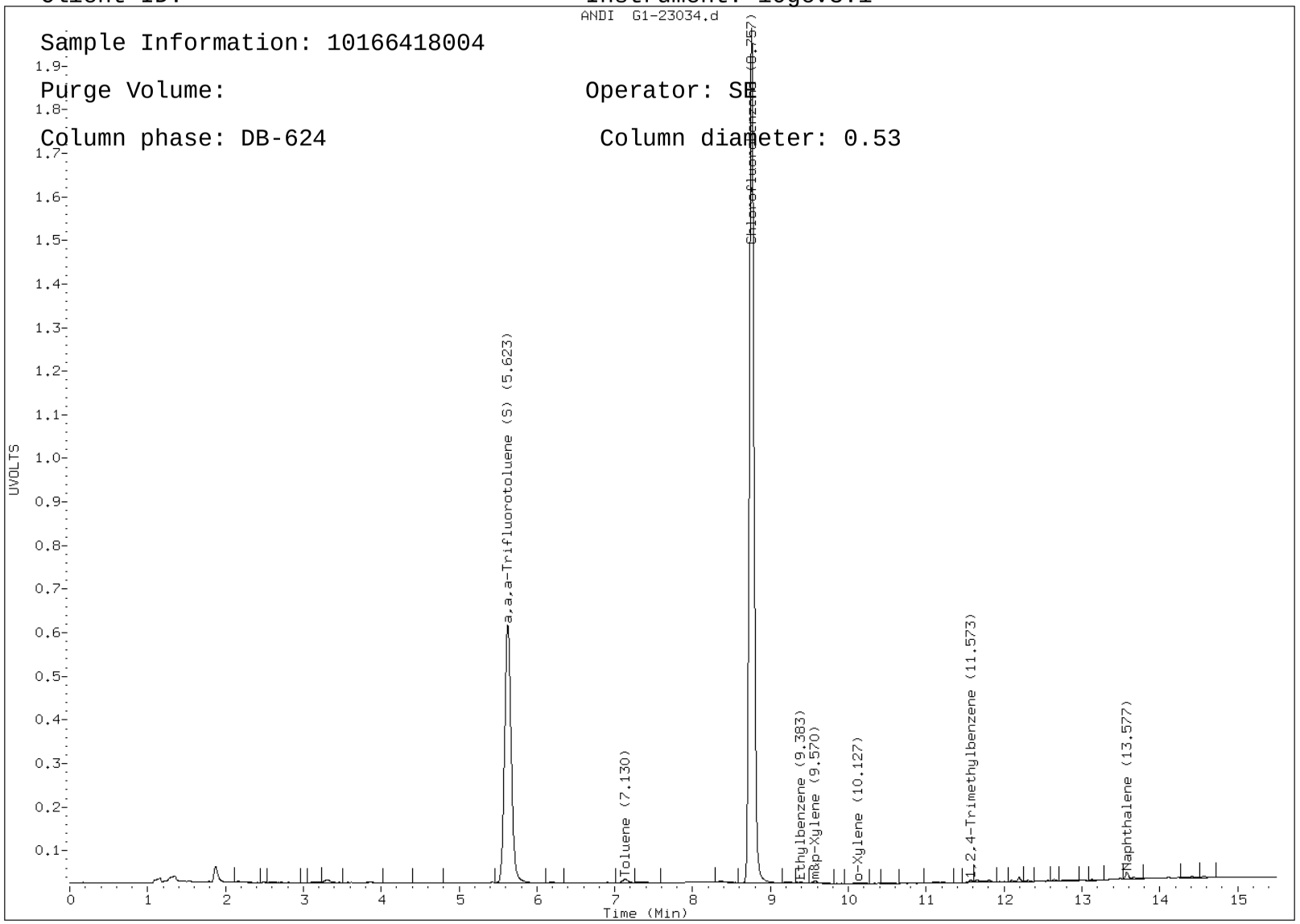
Sample ID: 10166418004

Client ID: Instrument: 10gcv3.i

Sample Information: 10166418004

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:43

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22737.d
Lab Smp Id: 10166418008
Inj Date : 16-AUG-2011 01:39
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418008
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	36920	20.3033	20.3
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	79549	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22737.d

Report Date: 08/17/2011

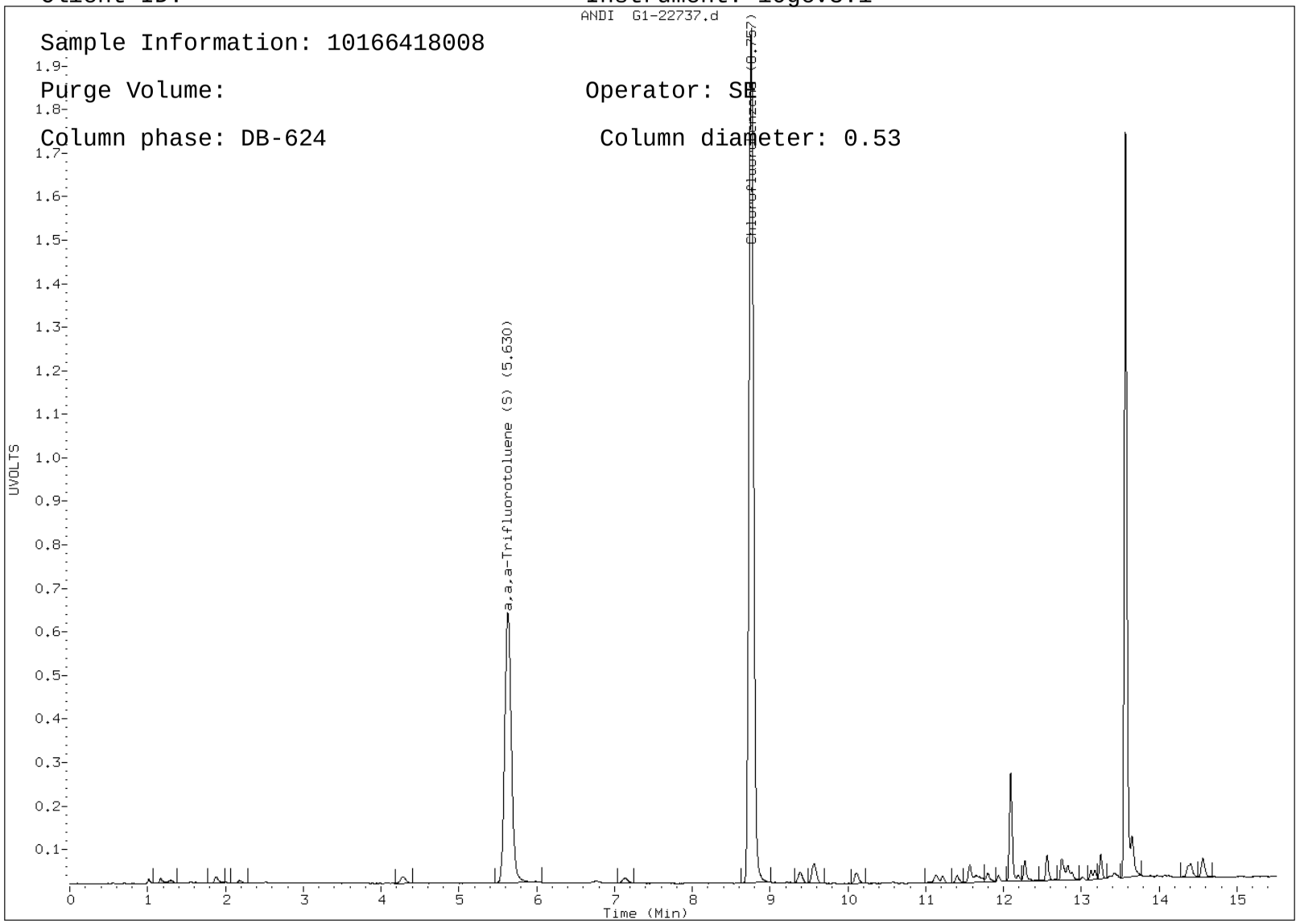
Sample ID: 10166418008

Client ID: Instrument: 10gcv3.i

Sample Information: 10166418008

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53



Report Date: 17-Aug-2011 09:42

Pace Analytical Services, Inc.

PVOC - MODIFIED 8021B

Data file : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\G1-22731.d
Lab Smp Id: 10166418009
Inj Date : 15-AUG-2011 23:28
Operator : SE Inst ID: 10gcv3.i
Smp Info : 10166418009,TB
Misc Info : 8298
Comment   : PVOC- Modified 8021B
Method   : \\192.168.10.12\chem\10gcv3.i\081511b-1.b\g311-btex-218.m
Meth Date : 17-Aug-2011 09:41 sellefson Quant Type: ISTD
Cal Date : 06-AUG-2011 20:13 Cal File: G1-21809.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Surrogateonly.sub
Target Version: 4.14
Processing Host: V10SELLEFSON

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

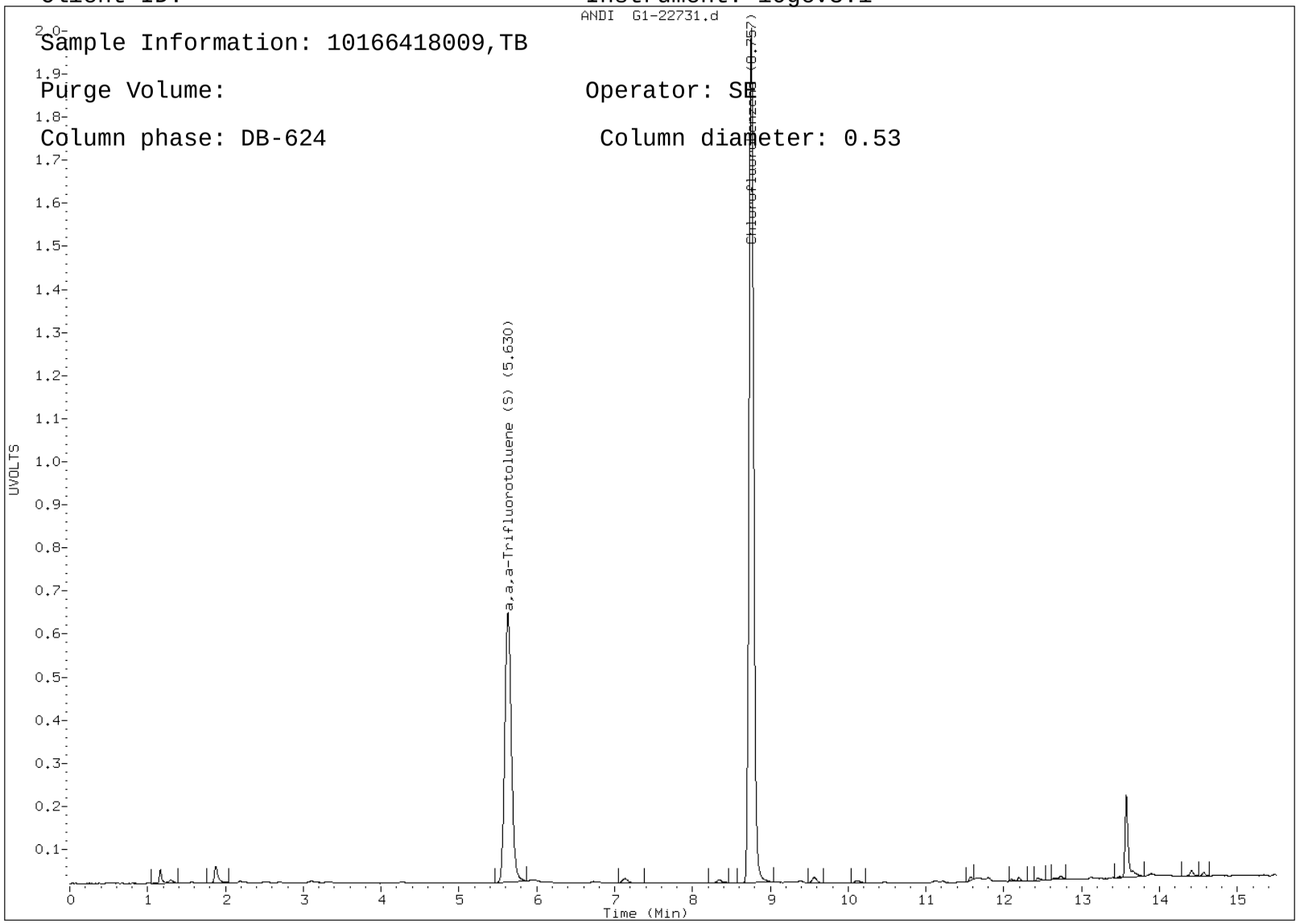
						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
$	4 a,a,a-Trifluorotoluene (S)	5.630	5.633	(0.643)	36825	20.0191	20.0
*	6 Chlorofluorobenzene	8.756	8.760	(1.000)	80471	20.0000	

Data File: \\192.168.10.12\chem\10gcv3.i\081511b-1.b/G1-22731.d

Report Date: 08/17/2011

Sample ID: 10166418009

Client ID: Instrument: 10gcv3.i



Sample Information: 10166418009,TB

Purge Volume: Operator: SB

Column phase: DB-624 Column diameter: 0.53

Pace Analytical

1132, 33, 34

10166418

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 Of 1

Section A
Required Client Information:

Company:	Short Elliott Hendrickson Inc.
Address:	3535 Vadnais Center Drive Saint Paul, MN 55110
Email To:	jkinny@sehinc.com
Phone:	651-600-1002 (cell) Fax: 651-490-2150
Requested Due Date/TAT:	Normal

Section B
Required Project Information:

Report To:	John Kinny
Copy To:	Christine Carlson
	3535 Vadnais Center Drive, Saint Paul, MN 55110
Purchase Order No:	
Client Project I	STLOU 106311
Container Order Number:	49263

Section C
Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Davy, Carol
Pace Profile #:	

Regulatory Agency

State / Location: Minnesota

Requested Analysis Field Filtered (Y/N)

ITEM#	SAMPLE ID	LOCATION	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START 2011 DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: DRO	GRO	VOC	SVOC	RCRA Metals	PCB	Cyanide	Alkalinity	pH	MDA List 1 Pesticides	Moisture	TCLP	Residual Chlorine (Y/N)	
1	GP-31-4	A	SL	G	8/12	825			4		2						2				X	X	X						X			001
2	GP-31-8	A	SL	G	8/12	830			7		5						2		X		X	X	X						X			HOLD TCLP 002
3	GP-32-4	B	SL	G	8/12	910			4		2						2				X	X	X						X			HOLD 003
4	GP-32-8	B	SL	G	8/12	915			9		5						4		X	X	X	X	X		X				X			004
5	GP-32-8W	B	WT	G	8/12	925			5		2			3							X	X										005
6	GP-33-3	C	SL	G	8/12	1000			4		2						2				X	X	X						X			006
7	GP-33-8	C	SL	G	8/12	1020			10		6						4		X	X	X	X	X		X				X	X		HOLD TCLP 007
8	GP-33-8W	C	WT	G	8/12	1045			12		2		1	8	1				X	X	X	X	X		X							008
9	EQUIP. BLANK		WT	G	8/12	1100			12		2		1	8	1				X	X	X	X	X		X							009
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	3/12		Tom 702 [signature]	8/12/11	1558	0.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN KINNY

SIGNATURE of SAMPLER: [signature] B.K

DATE Signed: 8/12/11

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: SEC Project # W166418

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☒ No _____

Thermometer Used 80344042 or 80512447 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 0.9 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8/12/11 f.m

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☑Yes ☐No ☐N/A	13. ☒ HNO3 ☐ H2SO4 ☒ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	Samp # 338W – Eq Blank – (1/1) (1/1)
Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☐No	Initial when completed f.m Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 8-15-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)