Phase II Environmental Site Assessment
and
Ground Water Monitoring

Meriden-HUB
Former Canberra Industries/Meriden Mall Facility
1 & 77 State and 30 & 50East Main Streets
Meriden, Connecticut
CEE Project #2005.045

October 28, 2005

Prepared For:

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Sanitary Engineer 3
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79 Elm Street
Hartford, Connecticut 06106

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Executive Director
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City of Meriden
144 East Main Street
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October 28, 2005

Mr. David Ringquist
Sanitary Engineer 3
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Connecticut Department of Environmental Protection
79 Elm Street
Hartford, Connecticut 06106

Re: Phase II Environmental Site Assessment and Ground Water Monitoring
Meriden-HUB
Former Canberra Industries/Meriden Mall Facility
1 & 77 State and 30 & 50 East Main Streets
Meriden, Connecticut

CEE Project # 2005.045

Dear Mr. Ringquist:

Attached for your use is the Phase II Environmental Site Assessment (ESA) and ground water monitoring results for the referenced site.

Section 7 outlines the findings, conclusions, and recommendations of the study relative to on-site soil and ground water quality.

Sincerely,

Consulting Environmental Engineers, Inc.

Meg Winfield, CPG
Senior Project Geologist

Joseph T. Perko III
Manager of Field Services

Attachments

cc: Ms. Peggy Brennan, City of Meriden Community Development

An Equal Opportunity Employer

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1.0 Introduction and Purpose of the Investigation

Site History

Based on previous environmental studies for the site,[1] the 14-acre property has a lengthy metal products manufacturing history from pre-1900s (Figure 1). Other environmentally significant site activities include automotive sales and service, gasoline dispensing, plumbing and pipe shop, machine shop, and the manufacture of nuclear instrumentation.

Harbor Brook flowed through the center of the site during the 1970s and was diverted into a subsurface drainage structure as historical site buildings were razed and the Meriden Mall was constructed across the parcel. Two buildings remain on the site, the former Canberra Industries, and the Hudson Bank building fronting East Main and State Streets. Bituminous pavement covers the remainder of the site.

The property is currently owned by the Meriden Economic Resources Group (MERG), a non-profit entity with plans of transferring property ownership to the City of Meriden. Future site development includes demolishing current site structures, controlling chronic flooding, plus the creation of a town green and retention pond, a public park/open space, and an area with mixed retail and office uses.

Purpose of this Study

The purpose of this Supplemental Phase II ESA is to investigate soil quality in known or potential areas of environmental concern (AOCs), assess general hydrogeological conditions across the site, and more fully characterize the nature and extent of any pollutants encountered in soil and/or ground water.

The results of this investigation will be incorporated into historical studies and become the basis for any future Phase II/III ESA, and/or remediation, if needed at the site. This supplemental Phase II ESA will be used to develop a Remedial Action Plan (RAP) and quantify costs for any future remediation activity at the site property.

The activities performed under this study include the following tasks:

Task 1. Work Plan

Task 2. Quality Assurance Project Plan or QAPP

Task 3. Health and Safety Plan or HASP and Utility Clearance

Task 4. Soil Probing and Sample Collection

Task 5. Ground Water Sample Collection

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[1] M&E, Phase I Environmental Site Assessment-Meriden HUB, Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. Environmental Protection Agency. March 2004; and M&E, Phase II Targeted Brownfield Assessment Report HUB, Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. Environmental Protection Agency. December 2004.

Task 6. Final P-II ESA Report Preparation

CEE prepared and submitted to CT DEP a site-specific work plan on July 20, 2005, which was accepted upon receipt. This plan focused on previously identified data gaps, scope of services, sampling locations, depths, media, and analyses.

CEE also prepared and submitted to U.S. EPA Region I a Quality Assurance Project Plan (QAPP), which ensures that the data are of sufficient quality to make decisions regarding the investigation and remediation of the site. The QAPP was prepared in accordance with the document entitled "Quality Assurance Guidance for Conducting Brownfield Site Assessments, US EPA, OSWER Directive No. 9230.0-83P," and was accepted by US EPA Region I on August 18, 2005.

2.0 Environmental Background and Areas of Environmental Concern

Environmental Background

The property has a lengthy metal products manufacturing history from pre-1900s with other environmentally significant site activities including automotive sales and service, gasoline dispensing, plumbing and pipe shop, and machine shop. Canberra Industries, a manufacturer of nuclear instrumentation, was a large quantity generator of hazardous waste from 1984 to 1994 and therefore, the site appears to meet the definition of an "Establishment" pursuant to Connecticut's Property Transfer Act (Connecticut General Statutes § 22a-134 et seq.).

The site is located in a GB ground water classification area and will be investigated and remediated in accordance with Connecticut's Remediation Standard Regulations (RSRs) for GB areas (CT DEP, 1993).

This scope of work is based on the findings and recommendations in previous Phase I and II Environmental Site Assessment Reports for the parcel and prior subsurface studies.[2] Known pollutants or constituents of concern (COC) in soil from prior studies at the site include:

- Extractable total petroleum hydrocarbons (ETPH)
- Aromatic and halogenated volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- Polycyclic aromatic hydrocarbons (PAHs)
- Various heavy metals[3]
- Cyanide
- Polychlorinated biphenyls (PCBs)

Areas of Environmental Concern (AOCs)

Previous environmental reports detail up to 11 AOCs at the site. The boundaries of various AOCs overlap in many instances, as illustrated in Metcalf & Eddy's (M&E) Figure 4, Summary of Soil Sample Analytical Results (M&E, December 2004 and Figure 4). Historical activities plus the chemical and petroleum product use and storage in each AOC is also well documented in these reports.

Five AOCs included in this study are located inside the Canberra Industries Building as follows (Figure 2):

---

[2] M&E, Phase I Environmental Site Assessment-Meriden HUB, Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. Environmental Protection Agency. June 2004; and M&E, Phase II Targeted Brownfield Assessment Report HUB, Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. Environmental Protection Agency. December 2004.

[3] RCRA Eight; Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver; plus, Copper, Nickel, Zinc, Antimony, Beryllium, Thallium, and Vanadium.

- AOC-3 Former Meriden Britannia Co. and INSILCO Factory (partially)
- AOC-5 Former Gasoline Filling Station
- AOC-6 Former Auto Sales and Service
- AOC-7 Former Machine Shop
- AOC-11 Canberra Industries

There is no record of contamination encountered or soil quality evaluated during the construction of the Canberra Industries building in 1983. As an AOC of interest, any contaminant releases from Canberra Industries potentially affecting the underlying soil would have had to migrate downward through seams or cracks in the concrete floor. Presumably the soil profile beneath the floor of the existing building consists of fill materials underlain by native soil. Seasonal ground water conditions would likely extend upward within the fill material.

The remaining AOCs are located outside of the existing site structure as follows (Figure 2):

- AOC-1 Site wide fill
- AOC-3 Former Meriden Britannia Co. and INSILCO Factory (partially)
- AOC-9 Former Gasoline Station
- AOC-10 Former Plumbing and Pipe Shop

The soil profile beneath the bituminous pavement across the site consists of fill material underlain by interspersed organic soil plus saturated sand and gravel. Seasonal ground water conditions are expected to extend upward within the fill material. Any historical releases potentially affecting the underlying soil would have had to migrate downward through seams or cracks in the asphalt.

CEE evaluated the presence of suspected contaminants of concern or COCs in soil and ground water in the following AOCs:

2.1 AOC-1 Side Wide Fill

Based on historical studies, fill material covers the majority of the site and has not been fully characterized with respect to chemical composition. COCs in this AOC are ETPH, VOCs, SVOCs, metals, and PCBs. Pollutants in soil have previously exceeded Direct Exposure Criteria (DEC), although leachability has not been fully evaluated with respect to the GB pollutant mobility criteria (PMC). CEE will also evaluate the presence of suspected contaminants in the area of monitoring well MW-101.

2.2 AOC-3 Former Meriden Britannia Co. and INSILCO Factory

Cyanide and vinyl chloride were detected in ground water from well MW-3 above Connecticut's Surface Water Protection Criteria (SWPC) and Residential Volatilization Criteria (Res. VC). The source of these chemicals is unknown. Both pollutants are possible chemical and/or breakdown products

from INSILCO's former industrial activities. Based on historical information, additional COCs in this AOC are ETPH, aromatic and chlorinated VOCs, SVOCs, heavy metals, cyanide, and PCBs.

2.3 AOC-5 Former Gasoline Filling Station (Pratt Street)

Gasoline constituents in ground water were detected below the SWPC in this AOC. The presence of VOCs suggests a source remains in this AOC.

2.4 AOC-6 Former Auto Sales and Service

Soil and ground water conditions have not been evaluated in this AOC located inside the Canberra building. COCs in this AOC are ETPH, aromatic and chlorinated VOCs, PAHs, metals, and PCBs.

2.5 AOC-7 Former Machine Shop

Soil and ground water conditions have not been evaluated in this AOC located inside the site building. COCs in this AOC are ETPH, aromatic and chlorinated VOCs, metals, and PAHs.

2.6 AOC-9 Former Gasoline Filling Station (State Street)

Soil and ground water conditions have not been evaluated in this AOC along State Street.

2.7 AOC-10 Former Plumbing and Pipe Shop

Gasoline related VOCs were detected in soil and suggests a source remains in AOC-10 near the corner of State and Mill Streets.

2.8 AOC-11 Former Canberra Industries

Soil and ground water conditions have not been evaluated in this AOC located inside the site building. COCs in this AOC are ETPH, VOCs, SVOCs, metals, and radioactive materials.

CEE sampled ground water from an existing array of up to 11 ground water monitoring wells to evaluate contaminant condition in ground water from known releases:

MW-1, MW-3, MW-4, and MW-5

MW-101, MW-102, MW-104, MW-106, MW-107, MW-108, and MW-109

CEE submitted samples to Spectrum-Analytical, Inc. of East Longmeadow, Massachusetts, a CT DAS-listed laboratory. Ground water from existing wells were analyzed for ETPH, VOCs, cyanide, and lead.

The range of contaminant concentrations in each AOC within this study area are detailed in Tables 1 through 5 of M&E's Targeted Brownfield Assessment Report, December 2004.

3.0 Geology and Hydrogeology

Geology

Approximately 6-8' of reworked fill material overlies the site. Surficial materials beneath the fill are mapped as glacial meltwater deposits that generally consist of stratified sand, gravel, silt and clay (Stone et al., 1992). The nature of surficial material across the site is discussed in detail elsewhere in this report.

New Haven Arkose, part of the Newark Supergroup, underlies the site, according to the Bedrock Geologic Map of Connecticut (Rodgers, 1985). This rock unit is a reddish brown sandstone and conglomerate interbedded with siltstone (Rodgers, 1985). Bedrock does not outcrop on the site, nor was it encountered in any soil boring advanced during this investigation.

Hydrogeology and Potential Sensitive Receptors

Historically Harbor Brook flowed through the middle of the site from northeast to southwest toward the Quinnipiac River until diverted into subsurface drainage structures circa 1970. Harbor Brook is a class B watercourse, which signifies that surface water is known or presumed to meet Water Quality Criteria that support designated uses (CT DEP, 2002). Designated uses of Class B surface water bodies include recreational use; fish and wildlife habitat; agricultural and industrial supply and other legitimate uses including navigation.

The Connecticut Department of Environmental Protection (CT DEP) classifies ground water on and near the site as GB (CT DEP, 1993). Class GB is applied to "ground water within a historically highly urbanized area or an area of intense industrial activity and where public water supply service is available. Such ground water may not be suitable for human consumption without treatment due to waste discharges, spills, or leaks of chemicals or land use impacts." The designated uses of Class GB ground water are industrial process water, cooling waters, and baseflow for hydraulically connected surface water bodies (CT DEP, 1996).

Migration Pathways

The site is completely paved or covered with buildings. Potential migration pathways are limited to cracks or seams in the asphalt or building slab and/or the leaching of contaminants into soil from seasonal ground water conditions that likely extend upward within the fill material, and resulting transport to the ground water discharge points. Future site development plans may expand the migration pathways to include direct exposure to soils, surface water runoff, and airborne migration of contaminated soil particles.

The area is served by public water supply, which limits exposure to ground water migrating from the site. A receptor survey was not performed as part of this study.

4.0 Field Investigation Methods

HASP and Utility Clearance

Prior to beginning the field investigation, CEE prepared a site-specific health and safety plan or HASP as required by OSHA regulations (29 CFR 1910.120) to address the proposed field tasks on August 5, 2005. Soil boring locations were marked with white paint on the ground and "Call Before You Dig" (CBYD) was contacted for utility clearance.

We understand that Canberra Industries, a former site occupant manufactured nuclear instruments and equipment. CEE screened the interior of the building for low-level radiation waste using a scintilometer, which measured gamma rays for the presence of radioactive anomalies.

Soil Probing and Sample Collection

CEE supervised and managed Connecticut Tank Removal (CTR) of Bridgeport, Connecticut, a CT DAS Contractor,[4] to conduct soil-probing activities with direct-push equipment. CTR cored 4" diameter holes through the interior concrete flooring of the Canberra building prior to vibrating tubes into the ground. The coring and soil boring activities took place between August 29th to September 12th 2005.

CTR advanced all test holes by the "direct-push" method on a mobile drilling rig using a vibratory hammer. The Geoprobe Model 54LT® mobile drilling unit accessed the inside of the former Canberra Industries building through overhead doors along Pratt Street. CTR drove 2" diameter and 4' in length hollow tubes or macro-cores continuously into the ground. The macro-cores were advanced to the pre-identified interval of interest, and/or up to depths equivalent to 10' below the water table that could range between 10-20' below surface grade (bsg), as practical, for purposes of installing temporary well points.

CEE obtained soil samples continuously from 4' acetate sleeves using a "Macro-Core" sampler. For each probe, soil samples were examined in the field by CEE's field geologist for obvious evidence of contamination in the form of odor, staining, and cultural materials in fill (slag, ash, etc.), as well as soil colors indicative of the seasonal high and low water table. CEE kept a geologic boring log and recorded field screening of soils for VOCs and total petroleum hydrocarbons.

The probing tip was decontaminated between uses by successively washing with soapy water (Alconox soap or equivalent), tap water, methanol and dilute nitric acid.

At the conclusion of all soil-probing activities, CTR returned any excess soil cuttings to the borehole and plugged each interior hole with cement. CEE containerized and labeled excess soil collected from the sampling program into two, five-gallon plastic containers, which are secured inside the Canberra building. This small quantity of soil

[4] Excavation/drilling services to be provided under the terms of DAS Contract Award 04PSX0275.

was not managed off-site as part of this study. CEE recommends properly disposing of this soil as part of the overall site-wide Remedial Action Plan or RAP

Field Screening

CEE screened all soil samples in the field using a Thermo Environmental Model 580S organic vapor meter (OVM) equipped with a 10.6 eV lamp calibrated to an isobutylene standard of 100 part per million (ppm) to detect VOCs at the ppm level. Total petroleum hydrocarbons (TPH) were field screened using the PetroFLAG System™ by EPA SW-846 Method 9074 to at least a minimum concentration of 100 ppm. Field Screening Logs are included in Appendix 2.

Headspace Screening

CEE placed soil in an airtight bag leaving one-third empty and left to sit for a period to allow the hydrocarbons to partition into the air above the sample (i.e., headspace). The headspace was measured with an OVM, which uses an ultraviolet lamp to ionize organic vapors. CEE used a 10.6 eV lamp that is most sensitive to aromatic hydrocarbons. The linear range of detection for the OVM is 1 to 300 ppm.[5] Although the OVM provides information about the relative magnitude of contamination, this method is unable to distinguish specific compounds.

Headspace screening provides readings that can be used for estimating relative concentrations of volatile organic compounds (VOCs). However, readings may be affected by soil type, moisture content, ambient air dilution, temperature variations, and time to prepare and analyze the sample.[6]

Turbidimetric Test Kit[7, 8]

The PetroFlag™ method is used for measuring total petroleum hydrocarbons (TPH) in soil. The method provides quantitative screening of soils for the presence of mid-range petroleum hydrocarbons (e.g., diesel fuel, fuel oils, etc.). This method indirectly measures the TPH in soil by suspending extracted hydrocarbons in solution and then measuring the resulting turbidity or relative cloudiness. The PetroFlag™ method utilizes methanol extraction solvents, analytical reagents, and a turbidity meter to determine contaminant levels. The linear range of detection for the kit is 13 to 2,000 ppm. The method is most sensitive to middle chain hydrocarbons (e.g., C_{12} to C_{30}) including diesel fuel and kerosene.

This method is considered a screening technique and cannot determine specific hydrocarbons. Organic-rich soil may limit the effectiveness of the extraction or cause positive interference. High soil moisture may cause negative interferences.

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[5] EPA 510-B-97-001. March 1997. Expedited Site Assessment Tools for Underground Storage Tanks.
[6] Ibid.
[7] Ibid.
[8] January 1998, EPA Method 9074 Turbidimetric Screening Method for Total Recoverable Petroleum Hydrocarbons in Soil.

Sample Selection

Soil samples were collected for laboratory analysis based on the need to fulfill previously identified data gaps or intervals exhibiting previous evidence of contamination with the need to delineate the extent of pollution. Samples were otherwise selected for laboratory analysis based on odor, discoloration and field screening readings showing possible contaminant concentrations. Where no direct evidence of contamination is apparent (field screening, odor, staining), sample selection was at the discretion of CEE's field inspector. We collected all samples into appropriate containers, supplied by a commercial testing laboratory, with refrigeration pending analysis by the same laboratory.

Well Survey

CEE surveyed the top-of-casing elevation for the 11 existing monitoring wells with respect to an arbitrary datum of 100 feet ground elevation on August 12, 2005. The survey data was used in conjunction with the water level measurements collected on June 6, 2005 to prepare a map of the water table and the direction of ground water movement at the time of sampling. Existing well MW-1 had little standing water and otherwise was dry on the day of sampling. Table 1 compiles the survey data, Figure 3 illustrates the water table configuration on June 6, 2005, and Appendix 3 contains the Monitoring Well Field Data Sheets.

Ground Water Sampling

CEE collected ground water using low-flow techniques from up to 10 existing and 12 temporary on-site monitoring wells. Ground water collected from the 10 existing wells was submitted to Spectrum-Analytical, Inc. and analyzed for ETPH, VOCs, cyanide, and lead. Many AOCs within the scope of this project are untested relative to soil and ground water quality. If metals in soil were detected above background concentrations, CEE analyzed ground water for any additional metals of concern. This approach will assist with designing an overall ground water evaluation program with respect to long term monitoring.

Existing Monitoring Wells:

MW-1, MW-3, MW-4, and MW-5

MW-101, MW-102, MW-104, MW-106, MW-107, MW-108, and MW-109

Temporary Well Points:

MW-CEE-2, MW-CEE-6, MW-CEE-8a, MW-CEE-15, MW-CEE-17, MW-CEE-23, MW-CEE-31, MW-CEE-41, MW-CEE-47, MW-CEE-54, MW-CEE-56

On the day of sampling, CEE field staff first gauged the depth to liquid, estimated the thickness of any non aqueous phase liquid or NAPL present, and determined the depth to the bottom of each monitoring well. CEE also screened the head space of existing wells for VOCs using an OVM.

CEE then removed three well volumes of ground water from the wells using a submersible pump or dedicated stainless steel bailers. Using EPA's low-stress purging procedure, which utilizes pumping rates of less than one liter/minute,[9] CEE collected the sample into appropriate containers and used a variable speed peristaltic pump to sample each existing well. Ground water was pumped at a rate that minimizes the stress on the well and limits mixing of the water column. Depth to water measurements were recorded in 5 minute intervals to determine the ideal pumping rate to maintain drawdown at or less than 0.3'. If the water level did not stabilize during pumping, at the minimum rate of the sampling equipment, the well was pumped down to a level above the tubing intake, allowed to recharge, and a sample was collected at that time. Measurements were recorded at a maximum interval of 3 to 5 minutes to identify when stabilization of the parameters is established. Once each of the indicator field parameters stabilized, ground water samples were collected before the flow through cell. The samples were refrigerated pending transport to the testing laboratory.

Using portable instruments, CEE measured the following ground water parameters in the field: pH, dissolved oxygen, specific conductance, turbidity, temperature, and oxidation-reduction, potential (ORP).

Until covered by a General Discharge Permit for the release of purge water to the sanitary sewer, CEE containerized and labeled all purge water into three, 55-gallon drums located in the southwestern corner of the building, pending future waste characterization and disposal arrangements. CEE recommends off-site management of this waste liquid, which may be suitable for discharge to the sanitary sewer during future site dewatering activities.

Table 3 lists the sample summary for ground water.

Boring Placement and Temporary Wells Point Installation

Boring placement within each AOC was on a 25' to 100' grid system depending on the areal extent of the AOC (Figure 2). Test hole locations were amended during field operations based on actual access inside of the building, safety concerns, or the best possible location for the delineation, and/or refusal. Any obviously contaminated soil was returned to the borehole pending future management and disposal as appropriate.

CEE collected 12 borehole ground water grab samples using EPA low-flow techniques after temporary, slotted PVC casing was set in selected boreholes within each AOC of interest. Temporary groundwater sampling points were constructed of

[9] U.S. EPA Low Stress Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells; July 1996.

1" diameter PVC using 15' screened (0.010 slot) sections coupled to solid riser to the surface. The screen was set so that at least 7' to 8' of screen penetrated the water table. This allowed for the detection or accumulation of free-phased product if present. Appendix 1 contains Boring Logs and Monitoring Well Completion Information sheets.

CEE advanced 57 soil probes in AOCs across the site as follows:

AOC-1 Side Wide Fill - 8 Test Holes (~100' Grid)

AOC-3 Former Meriden Britannia Co. and INSILCO Factory- 16 Test Holes (~100' Grid)

AOC-6 Former Auto Sales and Service - 6 Test Holes (~25' Grid)

AOC-7 Former Machine Shop - 4 Test Holes (~25' Grid)

AOC-11 Former Canberra Industries - 10 Test Holes (~100' Grid)

CEE evaluated the extent of VOCs in the following AOCs:

AOC-5 Former Gasoline Station (Pratt St.) - 5 Test Holes (~25' Grid)

AOC-9 Former Gasoline Station (State St.) - 4 Test Holes (~25' Grid)

AOC-10 Former Plumbing and Pipe Shop - 4 Test Holes (~25' Grid)

CEE collected and preserved 47 soil and 12 ground water samples into appropriate containers supplied by Spectrum-Analytical Inc. of East Longmeadow, Massachusetts, a CT DAS-listed testing laboratory,[10] pending analysis by the laboratory. A data sheet for each soil boring is included in Appendix 1. Soil samples are summarized in Table 2.

[10] Laboratory services to be provided under the terms of DAS Contract Award 04PSX0173.

5.0 Description of Laboratory Analyses

Combined with the 10 ground water samples collected from an existing array of wells, CEE submitted 47 soil and 12 ground water samples collected from the temporary wells to Spectrum-Analytical, Inc. for analyses as follows:

AOC-3 Former Meriden Britannia Co. and INSILCO Factory- 14 Test Holes

12 Soil ETPH, aromatic and chlorinated VOCs, SVOCs, heavy metals, cyanide, and PCBs
2 Ground Water - VOCs, SVOCs, heavy metals, cyanide, and PCBs

AOC-6 Former Auto Sales and Service - 6 Test Holes

4 Soil ETPH, VOCs, PAHs, metals, and PCBs.
1 Ground Water - VOCs, PAHs, metals, and PCBs

AOC-7 Former Machine Shop - 4 Test Holes

6 Soil ETPH, VOCs, metals, and PAHs
1 Ground Water - VOCs, metals, and PAHs

AOC-11 Former Canberra Industries - 10 Test Holes

5 Soil ETPH, VOCs, SVOCs, and metals
2 Ground Water - VOCs, SVOCs, and metals

AOC-1 Side Wide Fill - 8 Test Holes

8 Soil ETPH, VOCs, SVOCs, metals, and PCBs
3 Ground Water - VOCs, SVOCs, and metals

AOC-5 Former Gasoline Station (Pratt Street) - 4 Test Holes

4 Soil and 1 Ground Water VOCs only

AOC-9 Former Gasoline Station (State Street) - 4 Test Holes

5 Soil and 1 Ground Water VOCs only

AOC-10 Former Plumbing and Pipe Shop - 4 Test Holes

4 Soil and 1 Ground Water VOCs only

The laboratory collection methods for soil and ground water are as follows:

- Volatile Organic Compounds by U.S. EPA Methods 5035A/8260B (Soil)

- Volatile Organic Compounds by U.S. EPA Methods 8260B (Ground Water)

- Total Petroleum Hydrocarbons (TPH) by the Connecticut Extractable Total Petroleum Hydrocarbon Method (ETPH) (Soil and Ground Water)

- Polynuclear Aromatic Hydrocarbons (PAHs) by U.S. EPA Method 8270C – modified (Soil and Ground Water)

- Semi-Volatile Organic Compounds by U.S. EPA Method 8270 (Soil and Ground Water)

- Metals by Mass Analysis (arsenic, barium, cadmium, chromium [total], lead, mercury, selenium, silver, antimony, beryllium, nickel, copper, thallium, vanadium, and zinc) U.S. EPA Method 3050B, 6010B, and 7471) (Soil and Ground Water)

- Polychlorinated Biphenyls by U.S. EPA Method 8082 (Soil and Ground Water

- Total Cyanide by U.S. EPA Method 9012 (Soil and Ground Water)

- Mass analysis metal detections were compared to 20-times the Connecticut Remediation Standard Regulation (RSR) Pollution Mobility Criteria (PMC) for each metal to identify any potential exceedances of the PMC. Mass analysis metal concentrations above the numerical threshold are resubmitted to the laboratory for analysis via the Synthetic Precipitate Leachate Procedure (SPLP) by U.S. EPA Method 1312. The results of which will be compared directly to the PMC.

- SPLP by U.S. EPA Method 1312 for PAHs, SVOCs, Cyanide, and PCBs based on mass analyses.

Tables 2, 3, 5, and 6 list the samples analyzed and laboratory results. Appendices 4 and 5 contain the laboratory analytical results for all samples.

6.0 Results and Discussion

6.1 Field Observations and Screening Results

CEE inspected and logged 57 soil borings, CEE-1 to CEE-56, to investigate known or potential AOCs (Figure 2). Much of the site consists of fill material comprising sand, gravel, bricks, wood, coal, asphalt, ash, cinders, and slag, to varying depths, ranging between 5.5' to 8' below surface grade (bsg). This material typically overlies organics and/or fine sand and gravel representing native material. The water table was encountered in test holes between 5.5' to 12' below surface grade (bsg). The source of the on-site fill material is unknown.

Each soil boring was advanced to the water table, if possible, or the interval of interest based on past studies; and/or at the discretion of CEE's geologist based on field observations. Soil samples were collected continuously from each 4' acetate sleeve and field screened for VOCs using an OVM and TPH using the PetroFlag™ (PetroFlag) hydrocarbon test method. Field screening results are compiled in Table 4 Field Screening Results.

Various soil samples exhibited both OVM and PetroFlag measurements, respectively as follows (listed numerically by AOC):

Boring	AOC and Description		Sample ID	Interval	OVM	PetroFlag
CEE-31	AOC-1	Site Wide Fill	JTP050908-139	12-15'	12.9 ppm	225 ppm
CEE-17	AOC-3	INSILCO	JTP050901-69	6-8'	61.7 ppm	4,320 ppm
CEE-17	AOC-3	INSILCO	JTP050901-70	8-10'	66 ppm	4,380 ppm
CEE-8a	AOC-6	Auto Sales and Service	JTP050830-43	6-8'	100 ppm	80 ppm
CEE-10	AOC-6	Auto Sales and Service	JTP050831-52	6-8'	55 ppm	97 ppm
CEE-53	AOC-6	Auto Sales and Service	JTP050830-42	1-1.5'	10.6 ppm	937 ppm
CEE-53	AOC-6	Auto Sales and Service	JTP050830-43	1.5-2.5'	17.6 ppm	938 ppm
CEE-41	AOC-9	Gas Station State St.	JTP050906-116	7-8'	267 ppm	7,980 ppm
CEE-42	AOC-9	Gas Station State St.	JTP050906-112	2-4'	124.9 ppm	6,560 ppm
CEE-42	AOC-9	Gas Station State St.	JTP050906-114	6-8'	187.1 ppm	10,240 ppm
CEE-47	AOC-10	Plumbing and Pipe	JTP050906-108	2-4'	130 ppm	150 ppm
CEE-47	AOC-10	Plumbing and Pipe	JTP050906-109	5-7'	98.1 ppm	501 ppm

Otherwise, the PetroFlag TPH test results alone in soil ranged from 2 ppm to 10,240 ppm with 18 soil samples greater than 500 ppm[11] as follows (listed numerically by AOC):

[11] The Residential DEC for ETPH is 500 ppm.

Boring	AOC and Description		Sample ID	Interval	PetroFlag
CEE-32	AOC-1	Site Wide Fill	JTP050908-138	4-8'	890 ppm
CEE-19	AOC-3	INSILCO	JTP050901-72	0-4'	752 ppm
CEE-21	AOC-3	INSILCO	JTP050901-81	0-4'	672 ppm
CEE-34	AOC-3	INSILCO	JTP050908-133	0-4'	7,370 ppm
CEE-35	AOC-3	INSILCO	JTP050907-129	Bottom 2'	1,452 ppm
CEE-37	AOC-3	INSILCO	JTP050907-124	Top 2'	2,840 ppm
CEE-39	AOC-3	INSILCO	JTP050907-121	2-4'	1,372 ppm
CEE-39	AOC-3	INSILCO	JTP050907-123	6-8'	3,940 ppm
CEE-51	AOC-3	INSILCO	JTP050902-89	6-8'	2,910 ppm
CEE-11	AOC-6	Former Auto Sales	JTP050830-45	7'	694 ppm
CEE-14	AOC-7	Former Machine Shop	JTP050831-59	Top 2'	1,371 ppm
CEE-44	AOC-10	Plumbing and Pipe	JTP050906-105	2-3'	2,540 ppm
CEE-1	AOC-11	Canberra	JTP050829-16	1.5-4'	962 ppm
CEE-2	AOC-11	Canberra	JTP050829-23	2-4'	967 ppm
CEE-4	AOC-11	Canberra	JTP050829-26	2-4'	1,457 ppm
CEE-6	AOC-11	Canberra	JTP050829-36	2-4'	942 ppm
CEE-16	AOC-11	Canberra	JTP050829-33	2-4'	886 ppm
CEE-52	AOC-11	Canberra	JTP050829-32	5-7'	1,640 ppm

Field Evidence of Contamination

The majority of the soil samples possessing OVM and PetroFlag measurements also exhibited varying degrees of odor and staining. Table 4 Field Screening Results compiles all obvious field evidence of contamination. There were no elevated radiation measurements using the scintilometer in the field.

Water Table Configuration

Harbor Brook is the local ground water discharge point for the site. The water table gently slopes to the west toward the culverted Harbor Brook as illustrated in Figure 3.

Numerical Remediation Criteria

For the various soil and water samples collected, the cleanup thresholds with respect to Connecticut's Remediation Standard Regulations (RSR)[12] are:

[12] Regulations of Connecticut State Agencies (RCSA) §22a-133k-1 through 3, inclusive

1. The residential direct exposure criteria (RDEC), which must be achieved to avoid an environmental land use restriction (ELUR).

2. The industrial/commercial direct exposure criteria (I/C DEC), which is applicable to the site. Sample analyses that are compliant with the I/C DEC, but not the RDEC, can be left in place. However, an ELUR is required pursuant to the RSR.

   Although, neither the RDEC or I/C DEC would apply to soil meeting the definition of inaccessible pursuant to the RSR with an ELUR in place.

3. The ground water Class GB pollutant mobility criteria (PMC) for soil is required for compliance at this site. The PMC does not apply to soil meeting the definition of environmentally isolated, i.e., beneath buildings and other permanent structures with an ELUR.

4. Neither the DEC or PMC apply to the site if an engineered control such as a geosynthetic liner is installed.

5. The surface water protection criteria (SWPC) is required for compliance with requirements for post-remediation ground water monitoring pursuant to the RSR.[13] The residential volatilization criteria (RVC) for ground water must be achieved to avoid an ELUR. Otherwise, the industrial/commercial volatilization criteria (I/C VC) apply, however, an ELUR is required.[14] The CT DEP has developed proposed revisions to the Volatilization Criteria, though not promulgated, they may be required in the future. The more stringent, proposed criteria have been reflected in Table 6.

6. Should dewatering be required during future construction at the site, treatment of polluted ground water (discussed below) may be needed to comply with discharge permit requirements.

On Tables 5 and 6 the various contaminant exceedances are shaded light gray or yellow.

Quality Assurance/Quality Control

All soil and ground water samples were analyzed by a CT DAS contracted laboratory. Quality control (QC) samples were also collected and submitted for laboratory analysis to monitor and evaluate laboratory and sampling performance. The field QC samples included trip blanks, field duplicates, and equipment blanks.

CEE performed a limited QC review and laboratory data validation for the site. This process identifies potential QC issues and assesses common QC criteria that might affect the validity of the environmental data, as well as verifying that the laboratory

[13] RCSA §22a-133k-3(g)
[14] RCSA §22a-133k-3(c)

has met minimum data acceptance criteria as specified in the U.S. EPA approved QAPP.

The laboratory provided QC data for analyses run with each sample batch. The QC data report includes the data, notes and definitions, plus a signed laboratory Quality Control and Quality Assurance Form for each data set. The QA/QC analyses are compiled in Table 7.

6.2 Laboratory Analysis of Soil

Tables 2 and 5 list the soil samples collected, how they were analyzed, and the analytical results. The samples consist of representative site fill, and native soil as previously described. Appendix 5 contains the laboratory reports.

VOCs

Trichloroethene (TCE) was detected in two soil samples, JTP050901-76 collected from 5-8' in CEE-20 (25.4 mg/kg) and JTP050902-89 collected from 6-8' in CEE-51 (3.15 mg/kg) above the GB PMC of 1 mg/kg. Both soil borings are located in AOC-3, along the most western portion the former INSILCO building footprint and within the interior of the Canberra site building.

No VOCs were detected in soil collected from AOC-7 the former machine shop. Otherwise, for all other AOCs included in this study, low levels of both aromatic and/or halogenated VOCs were detected in soil below the RSR criteria.

ETPH

Future compliance with the direct exposure criteria (DEC) at the site will likely require an environmental land use restriction (ELUR). This will allow for remediation to the industrial-commercial or I/C DEC, which is a less stringent numerical cleanup criteria for polluted soil.

ETPH was detected in one soil sample, JTP050907-124 collected from 6-8' in CEE-39 (12,200 mg/kg) significantly above the I/C DEC and GB PMC of 2,500 mg/kg. This test hole is located within AOC-3, the former INSILCO building footprint and adjoins AOC-9, the former gas station on State Street. Most soil samples were field screened using the PetroFlag method for ETPH and those samples with RSR exceedances were summarized in a previous section.

Otherwise, ETPH were detected in numerous soil samples from various AOCs below the less stringent RSR criteria.

PCBs

Several AOCs in this study were investigated for the presence of PCBs. Low levels of PCBs were detected in one sample, JTP050901-72 (0.109 mg/kg) collected from 0-4'

in CEE-19 below the RDEC of 1.0 mg/kg and I/C DEC of 10 mg/kg. This boring is located within AOC-3, the former INSILCO building and within the interior of the Canberra Industries building. Subsequently, 11 samples were analyzed for PCBs and none were detected in soil collected from AOC-3. Similarly, no PCBs were detected in soil from AOC-1, site wide fill or AOC-6, the former auto sales and service.

SVOCs and PAHs

Assuming an ELUR is applied to the property allowing for the less stringent remediation criteria under the RSR, numerous soil samples from every AOC investigated as part of this study contain various PAHs and/or SVOCs above the I/C DEC and/or GB PMC numerical cleanup criteria. These results are typical for widespread polluted fill encountered in urban areas, as with the site. The greatest concentration of total SVOCs (> 200 mg/kg) was detected in soil from boring CEE-51, JTP050902-89, collected from 6-8' and within AOC-3, the former INSILCO building.

For GB PMC compliance, the RSR allows for analyzing SVOCs by the Synthetic Precipitation Leaching Procedure or SPLP method and comparing the results to ten times the ground water protection criteria (GWPC). Soil sample JTP050908-138 from CEE-32, AOC-1, Site Wide Fill contains SVOCs/PAHs above the numerical GB PMC and was not run for SPLP analysis. This omission was in error. In all other instances, leachable SVOCs in soil were detected below ten times the GWPC for each compound.

Metals

Assuming an ELUR is applied to the property and thereby allowing the less stringent cleanup criteria, total lead (3,670 mg/kg) in soil was detected in one sample, JTP050901-76 from 5-8' in boring CEE-20 above the I/C DEC of 1,000 mg/kg. CEE-20 is located within the footprint of AOC-3, the former INSILCO building and inside the Canberra building. Similarly, total arsenic (10.8 mg/kg) was detected in soil from boring CEE-39, JTP050907-123, collected from 6-8' within AOC-3, the former INSILCO building above the I/C DEC of 10.0 mg/kg. Duplicate soil sample, JTP050901-77 from boring CEE-20 within the same AOC also contains arsenic (11.0 mg/kg) above the I/C DEC.

Total antimony, arsenic, lead, and mercury were detected in various soil samples across the study area above the RDEC criteria. The RDEC would not apply to the site assuming an ELUR is in place. Most RSR regulated metals were detected in nearly all soil samples analyzed across this property.

The arithmetic predictor of leachability was calculated by applying a divisor of 20 to the total metals results and comparing this value to the GB PMC.[15] For every soil

[15] Total metals/20 compared to GB PMC

sample that the arithmetic calculation exceeded the GB PMC, the laboratory analyzed the sample by the SPLP method.

Three soil samples from this study contained leachable antimony and/or other metals above the GB PMC as follows:

- Leachable antimony (0.124 mg/l) in soil from 2-4' in boring CEE-4, JTP050829-26, collected within AOC-11, the former Canberra Industries exceeds the GB PMC of 0.06 mg/l. Leachable lead (0.302 mg/l) exceeds the GB PMC of 0.15 mg/l in the same soil sample.
- Soil sample, JTP050907-121, CEE-39, 2-4' collected from AOC-3, INSILCO contains leachable lead (0.194 mg/l) and antimony (1.63 mg/l) above the GB PMC.
- Leachable antimony (0.084 mg/l) exceeds the GB PMC in sample JTP050907-123, 6-8' collected from CEE-39.

Leachable lead (0.454 mg/l) was detected in duplicate soil sample JTP050901-77, collected from 5-8' in boring CEE-20.

Cyanide

Total cyanide was detected in several soil samples below the RDEC and I/C DEC of 1,400 mg/kg and 41,000 mg/kg, respectively. All samples were collected from AOC-3, INSILCO with concentrations ranging from 2.86 to 11.2 mg/kg. The arithmetic predictor of leachability was calculated by applying a divisor of 20 to the total cyanide results and comparing this value to the GB PMC of 2 mg/l. For all soil samples, the arithmetic calculation did not exceed the GB PMC for cyanide. In CEE's experience, this method commonly overestimates the leachability of the metals in question.

6.3 Laboratory Analysis of Ground Water

Tables 3 and 6 list, respectively, the water samples collected, how they were analyzed, and the analytical results. Ten samples were collected from the existing array of monitoring wells with an additional 12 ground water samples collected from temporary well points:

VOCs

Vinyl chloride (8.3 ug/l) in ground water collected from monitoring well MW-3, AOC-3, INSILCO exceeds the proposed residential ground water volatilization (RVC) criteria of 1.6 ug/l.

Otherwise, one or more halogenated VOCs including cis-1,2-dichloroethene, trans-1,2-dichloroethene, chloroform, tetrachloroethene, trichloroethene, and vinyl chloride were detected in various wells all below the SWPC and/or RGWVC cleanup criteria. Cis-1,2-dichloroethene forms as a breakdown product from the reductive

dehalogenation of TCE and PCE. Ground water with the greatest VOC concentration was from well MW-3 located within AOC-3, INSILCO.

One or more aromatic VOCs including n-butylbenzene, sec-butylbenzene, tert-butylbenzene, isopropylbenzene, MTBE, naphthalene, n-propylbenzene, and xylenes were detected in ground water from various wells below the SWPC and/or RGWVC cleanup criteria. Ground water with the greatest aromatic VOC concentration was in the hydraulically upgradient well CEE-MW-49 located within AOC-1, Site Wide Fill near Mill Street.

ETPH

ETPH in ground water was detected in sample JTP050810-09 (100 ug/l) collected from monitoring well MW-102, which is located within the downgradient portion of AOC-2, Harbor Brook Fill. Cleanup criteria for ETPH in ground water is not established under the RSR in GB ground water classification areas as with the site.

Metals

Total mercury (4.87 ug/l) and zinc (513 ug/l) in ground water exceed the SWPC of 0.4 ug/l and 123 ug/l, respectively in sample CEC050915-168 collected from CEE-23, AOC-3, INSILCO. Similarly, total arsenic (18.9 ug/l) and lead (15 ug/l) in ground water exceed the SWPC of 4 ug/l and 13 ug/l, respectively in sample CEC050915-172, collected from CEE-MW-49, AOC-1, site wide fill.

Total silver (9 ug/l), copper (3.4 to 41.2 ug/l), nickel (18.9 to 28.9 ug/l), and antimony (7.4 ug/l) were detected in ground water from several wells below their respective SWPC.

Total barium was detected in ground water from half of all wells ranging from 1.93 ug/l to 474 ug/l. Total vanadium was detected in ground water from four wells ranging from 2.5 ug/l to 46.9 ug/l. The SWPC for barium and vanadium is not established, and therefore would not apply to the site.

SVOCs and PAHs

Two compounds, 2-methylnaphthalene and/or 1-methylnaphthalene were detected in ground water from monitoring wells CEE-MW-49 (14.3 ug/l and 23.1 ug/l, respectively) and CEE-MW-31 (8.08 ug/l, 1-methylnaphthalene only). Neither compound is regulated under the RSR criteria. Both wells are located within AOC-1, site wide fill. No other SVOCs or PAHs were detected in ground water across the site.

Cyanide

Total cyanide was detected in ground water from two wells, MW-3 and CEE-23 ranging from 49.4 ug/l to 10 ug/l, which is slightly below the SWPC of 52 ug/l. Both wells are located within AOC-3, INSILCO.

PCBs

No PCBs were detected in ground water from any wells across the site.

7.0 Conclusions and Recommendations

The site has a lengthy metal products manufacturing history from pre-1900s. Other environmentally significant site activities include automotive sales and service, gasoline dispensing, plumbing and pipe shop, machine shop, and the manufacture of nuclear instrumentation. Harbor Brook flowed through the center of the site during the 1970s before being diverted into a subsurface drainage structure as historical site buildings were razed. The most recent occupant Canberra Industries was a hazardous waste generator and therefore an establishment under Connecticut's Property Transfer Act (PTA).[16]

The property is currently owned by the Meriden Economic Resources Group (MERG), a non-profit entity with plans of transferring property ownership to the City of Meriden. Future site development includes demolishing current structures, controlling chronic flooding, plus the creation of a town green and retention pond, a public park/open space, and an area with mixed retail and office uses.

This Supplemental Phase II ESA study was based on areas of environmental concern (AOCs) identified Metcalf and Eddy's (M&E), Phase I Environmental Site Assessment-Meriden HUB, Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. Environmental Protection Agency (EPA), June 2004; and M&E's, Phase II Targeted Brownfield Assessment Report, HUB-Meriden, Connecticut - Targeted Brownfield Assessments. Prepared for U.S. EPA, December 2004.

Under this work plan, CEE investigated soil and hydrogeological conditions at known or potential AOCs across the site using 57 soil borings, an array of 11 existing monitoring wells, and 12 temporary well points.

Ground Water

The general direction of ground water flow across the site is gently west toward the Harbor Brook.

Vinyl chloride (8.3 ug/l) in ground water from monitoring well MW-3 in AOC-3, INSILCO exceeds the proposed residential volatilization criteria or RVC of 1.6 ug/l. This concentration is consistent with historical data. Vinyl chloride forms as a breakdown product from the reductive dehalogenation of chlorinated solvents such as TCE and PCE. The manufacturers Meriden Britannia Company and INSILCO historically used these solvents for the cleaning and degreasing of utensils for over 100 years. Several pockets of chlorinated solvents in soil have been detected in AOC-3, INSILCO.

To dissipate soil vapors potentially collecting in a building and thus avoiding an inhalation hazard, CEE recommends not constructing a new building near well MW-

[16] Connecticut General Statues (CGS) § 22a-134a *et seq*.

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To dissipate soil vapors potentially collecting in a building and thus avoiding an inhalation hazard, CEE recommends not constructing a new building near well MW-

[16] Connecticut General Statues (CGS) § 22a-134a *et seq*.

3. However, if the footprint of a new structure overlaps MW-3, CEE recommends recording an environmental land use restriction or ELUR, prohibiting residential use of the property, and allowing compliance with the less stringent proposed industrial/commercial ground water volatilization criteria (I/C VC) of 52 ug/l.

Total mercury (4.87 ug/l) and zinc (513 ug/l) from CEE-MW-23 in AOC-3, INSILCO exceed the SWPC of 0.4 ug/l and 123 ug/l, respectively. This temporary well was installed in an unevaluated section of the former INSILCO footprint, inside the Canberra building (AOC-11). Wastewater containing heavy metals may have been discharged on site, as well as into Harbor Brook. Test hole CEE-23 also falls within the footprint of AOC-2, Harbor Brook fill material, which may represent the source of these heavy metals in ground water.

Total arsenic (18.9 ug/l) and lead (15 ug/l) from CEE-MW-49 in AOC-1, site-wide fill exceed the SWPC of 4 ug/l and 13 ug/l, respectively. The arithmetic predictor for leachable arsenic and lead in soil from this test hole were calculated below the GB PMC and therefore do not represent a source. Temporary well CEE-MW-49 is located hydraulically upgradient near Mill Street suggesting a potential off-site contaminant source. Test hole CEE-49 is also near the approximate location of the culverted Jordan Brook, which may represent the source of these heavy metals in ground water.

No other VOCs, SVOCs, metals, cyanide, or PCBs were detected in ground water across the site above the applicable RSR criteria. ETPH is not regulated by the RSR under the surface water protection criteria or SWPC. ETPH (100 ug/l) was detected in well MW-102, located hydraulically downgradient in AOC-2, Harbor Brook fill material.

Based on the results of this and previous studies, no significant ground water remediation will be needed other than the treatment of any contaminated ground water encountered during construction activities and periodic monitoring following soil remediation. CEE recommends continued monitoring of ground water conditions for all contaminants of concern including VOCs, various metals, and cyanide. Construction dewatering activities may be required during site redevelopment. Under the terms of DEP's General Discharge Permit to Sanitary Sewer (DEP-PERD-GP-007, Ground Water Remediation Wastewater to Sanitary Sewer), ground water treatment may be required prior to wastewater discharge.

Field Screening

CEE screened generally all soil samples collected from the soil probing program using an organic vapor meter (OVM) to detect VOCs and the PetroFLAG System™ by EPA SW-846 Method 9074 to detect TPH. Numerous soil samples exceed the less stringent I/C DEC and/or GB PMC for TPH and are detailed in a previous section. Many of these soil samples also exhibited OVM readings indicating the presence of VOCs.

8.0 References

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U.S. Geological Survey, Revised 1992. Meriden Quadrangle, 7.5 Minute Series Topographic Map.

9.0 Limitations and Exceptions

CEE performs its services with generally accepted practices of engineers, hydrogeologists and environmental consultants undertaking similar studies in the same locale and under similar circumstances and conditions. CEE's services are rendered without warranty, expressed, or implied.

CEE's findings and conclusions in this report are based on data, which may be interpreted differently by other individuals, and these different interpretations of the data may result in different conclusions.

Conditions observed by CEE during performance of the ESA may differ from conditions that are observed at a later time.

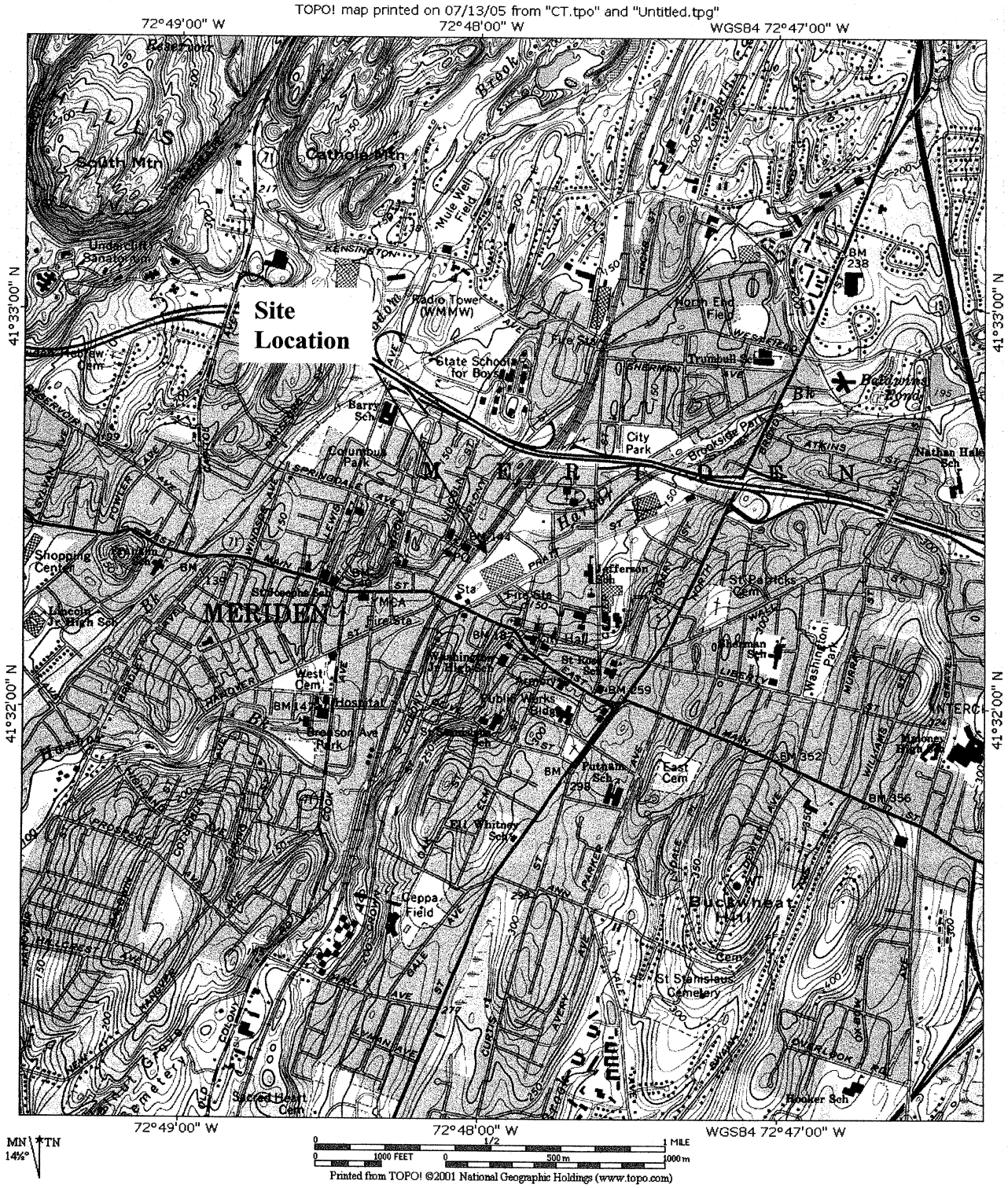
Compliance with the recommendations presented in CEE's report does not warrant, guarantee or insure the client's compliance with local, state, and federal laws.

In performance of these services, CEE obtained information from local, state and federal government offices. CEE did not attempt to verify the accuracy, veracity or completeness of the information and CEE cannot be held liable for injuries or for any type of damages arising from its reliance on inaccurate or incomplete information provided by local, state or federal agencies.

This report has been prepared to aid the U.S. EPA, Connecticut Department of Environmental Protection, and the City of Meriden Department of Community Development in identifying and addressing environmental conditions at the Meriden-HUB site, 1 & 77 State Street and 30 & 50 East Main Street, Meriden, Connecticut. This report has been prepared for the sole benefit and use of U.S. EPA, CT DEP, and the City of Meriden, and may not be relied upon or used by any other person or entity without permission of CEE.

Figure 1

Site Location Map



Meriden Quadrangle

Site Location Map

CEE

Meriden-HUB
1 and 77 State plus 30 and 50 East Main Streets
Meriden, Connecticut

Figure No.: **1**
Job No.: **2005.045**
Date: **10-28-05**

Figure 2

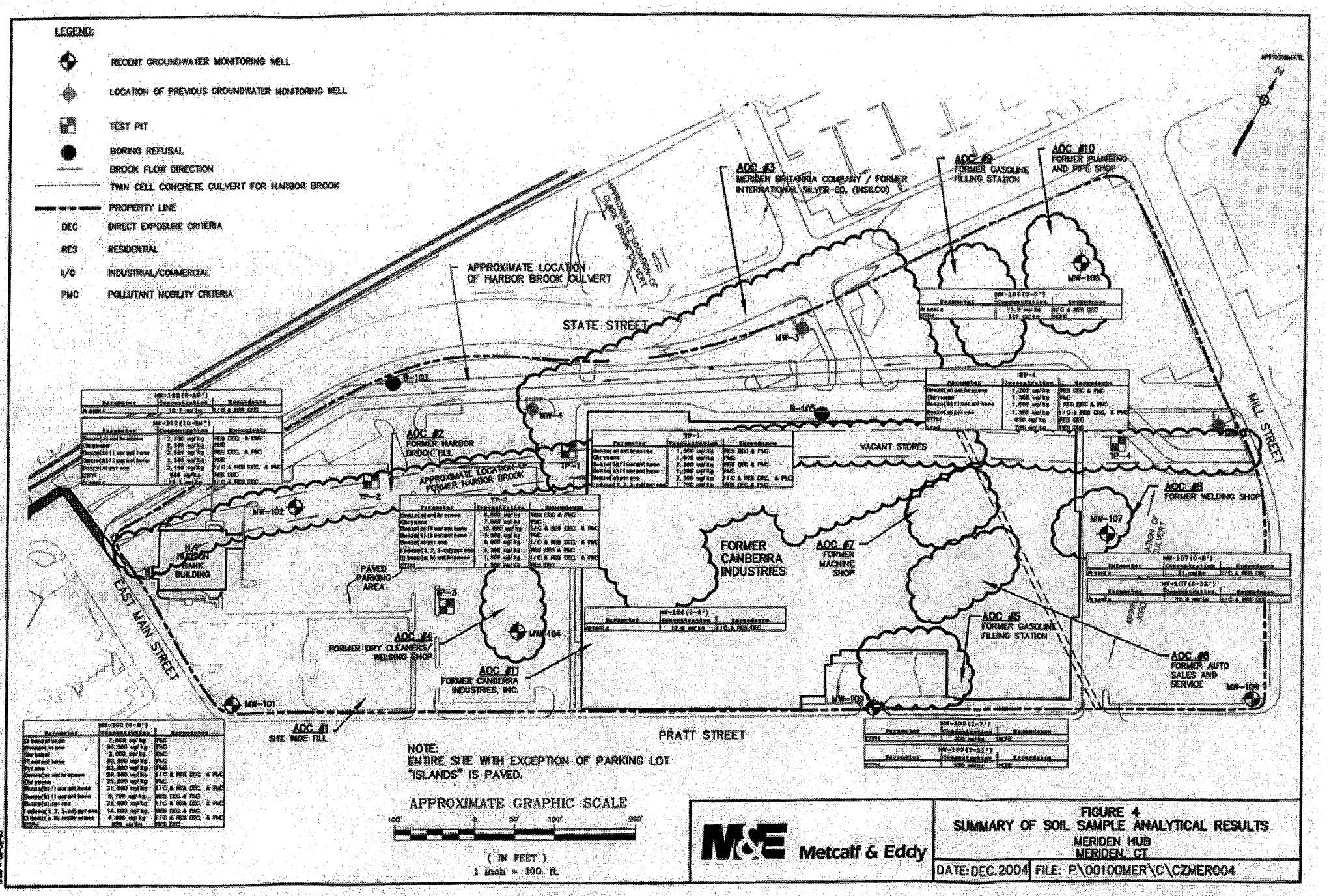
Summary of AOCs with Soil Probe and Sample Locations

Figure 3

Water Table Configuration

Figure 4

M&E Figure 4



Metcalf & Eddy

FIGURE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
MERIDEN HUB
MERIDEN, CT

DATE: DEC. 2004 | FILE: P\00100MER\C\CZMER004

Table 1

Survey Data

TABLE 1

Survey Data

CT DEP Meriden-HUB

State and East Main Streets, Meriden, Connecticut

CEE Project #2005.045

Well Identification	Measuring Point	Depth to Bottom (ft)	Measuring Point Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)
MW-104	PVC	14.48	97.85	6.15	91.70
MW-102	PVC	15.02	99.72	8.73	90.99
MW-101	PVC	19.41	100.62	9.78	90.84
MW-4	PVC	14.09	99.14	8.09	91.05
MW-3	PVC	14.45	97.44	6.19	91.25
MW-5	PVC	10.78	97.84	5.96	91.88
MW-106	PVC	12.78	98.48	5.28	93.20
MW-1	PVC	8.71	100.51	8.57	91.94
MW-108	PVC	14.57	99.02	5.91	93.11
MW-107	PVC	14.30	98.85	6.59	92.26
MW-109	PVC	13.87	98.49	6.86	91.63

NOTES:

(1) Ground water elevations measured on June 6, 2005.

(2) Survey conducted on August 12, 2005 and based on an arbitrary datum of 100.00 feet.

Table 2

Sample Summary Soil

Table 2
Sample Summary - Soil
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project # 2005.045

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-1	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-16	18"-4'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270*
JTP050829-17	6-5'	x	x	
JTP050829-18	10-12'	x		
CEE-2	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-20	5"-19"	x	x	
JTP050829-23	2-4'	x	x	
JTP050829-24	4-8'	x		
CEE-3	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-29	0-4'	x	x	
JTP050829-30	6-8'	x	x	
CEE-4	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-26	2-4'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270*
JTP050829-27	4-6'	x	x	
JTP050829-28	6-8'	x	x	
CEE-5	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-21	4-8'	x	x	
JTP050829-22	8-12'	x	x	
CEE-6	**AOC 11 - Former Canberra Industries Inc.**			
JTP050830-36	2-4'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270*
JTP050830-37	Top 2'	x		
CEE-7	**AOC 11 - Former Canberra Industries Inc.**			
JTP050830-39	0-4'	x	x	
JTP050830-40	6-8'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270
CEE-8	**AOC 6 - Former Auto Sales & Service**			
JTP050830-41	0.5-2'	x		
CEE-8a	**AOC 6 - Former Auto Sales & Service**			
JTP050831-49	6-8'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, PAHs by 8270, & PCBs by 8082
JTP050831-50	8-12'	x	x	

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-9	**AOC 6 - Former Auto Sales & Service**			
JTP050811-54	Bot. 2'	x		
JTP050811-55	6-8'	x		
JTP050811-56	8-12'	x	x	
CEE-10	**AOC 6 - Former Auto Sales & Service**			
JTP050831-51	Bot. 2'	x		
JTP050831-52	6-8'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, PAHs by 8270, & PCBs by 8082
JTP050831-53	10-12'	x	x	
CEE-11	**AOC 7 - Former Machine Shop**			
JTP050830-44	Bot. 2'	x		VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, PAHs by 8270, & PCBs by 8082
JTP050830-45	at 7'	x	x	
CEE-12	**AOC 7 - Former Machine Shop**			
JTP050831-62	2-4'	x	x	
JTP050831-63	4-6'	x	x	VOCs by 5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & PAHs by 8270
CEE-13	**AOC 7 - Former Machine Shop**			
JTP050831-57	2-4'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & PAHs by 8270
JTP050831-58	Bot. 2'	x	x	
CEE-14	**AOC 7 - Former Machine Shop**			
JTP050831-59	Top 2'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & PAHs by 8270*
JTP050831-60	8-12'	x		
JTP050831-61	Top 2'	x	x	
CEE-15	**AOC 7 - Former Machine Shop**			
JTP050901-66	2-4'	x	x	VOCs by 5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & PAHs by 8270
JTP050901-67	10-12'	x	x	
CEE-16	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-33	2-4'	x	x	
JTP050829-34	7-8'	x	x	
CEE-17	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050901-68	0-4'	x		
JTP050901-69	6-8'	x	x	VOCs by 5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050901-70	8-10'	x	x	
JTP050901-71	10-12'	x		

Notes:
OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
PetroFLAG™ = Extractable Total Petroleum Hydrocarbon Screening Test
AOC = Area of Environmental Concern
BSG = Below Surface Grade
Heavy Metals = Antimony, Beryllium, Thallium, Copper, Nickel, & Zinc
* SPLP Analysis by EPA 1312

VOCs = Volatile Organic Compounds
CT ETPH = Extractable Total Petroleum Hydrocarbons analyzed by the Connecticut Method
RCRA 8 Total Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, & Silver
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
* SPLP Analysis by EPA 1312

Table 2
Sample Summary - Soil
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project # 2005.045

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-18	**AOC 11 - Former Meriden Britannia Co. & INSILCO Factory**			
JTP050829-25	1-3'	x	x	
CEE-19	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050901-72	0-4'	x	x	VOCs by 5035, CT ETPH, SVOCs by 8270*, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082*
JTP050901-73	6-8'	x	x	
JTP050901-74	8-12'	x		
CEE-20	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050901-75	0-2'	x	x	
JTP050901-76	5-8'	x	x	VOCs by 5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050901-77	5-8' (dup.)	x		VOCs by 5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050901-78	10-12'	x		
CEE-21	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050901-81	0-4'	x	x	
JTP050901-82	4-8'	x		
CEE-22	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050908-135	0-4'	x	x	
JTP050908-136	8-10'	x	x	
CEE-23	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050902-85	2-4'	x	x	VOCs by 5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050902-86	6-8'	x	x	
JTP050902-87	8-10'	x		
CEE-24	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050901-79	4-8'	x	x	
JTP050901-80	10-12'	x	x	
CEE-26	**AOC 1 - Site Wide Fill**			
JTP050830-38	2-4'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270*
CEE-27	**AOC 5 - Former Gasoline Station Pratt Street**			
JTP050902-91	0-2'	x	x	VOCs by5035/8260
JTP050902-92	4-6'	x	x	

Notes:
OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
PetroFLAG™ = Extractable Total Petroleum Hydrocarbon Screening Test
AOC = Area of Environmental Concern
BSG = Below Surface Grade
Heavy Metals = Antimony, Beryllium, Thallium, Copper, Nickel, & Zinc
* SPLP Analysis by EPA 1312

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-29	**AOC 5 - Former Gasoline Station Pratt Street**			
JTP050902-95	0-2'	x	x	
JTP050902-96	5-7'	x	x	VOCs by 5035/8260
CEE-30	**AOC 5 - Former Gasoline Station Pratt Street**			
JTP050902-93	Bot. 2'	x	x	VOCs by 5035/8260
JTP050902-94	Bot. 2'	x		
CEE-31	**AOC 1 - Site Wide Fill**			
JTP050908-139	0-4'	x		
JTP050908-140	12-15'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
JTP050908-141	12-15' (dup.)	x		VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
CEE-32	**AOC 1 - Site Wide Fill**			
JTP050908-138	4-8'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
CEE-33	**AOC 1 - Site Wide Fill**			
JTP050908-137	0-4'	x		
CEE-34	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050908-133	0-4'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270*, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050908134	6-8'	x	x	
CEE-35	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050907-129	Bot. 2'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050907-130	5-7'	x	x	
CEE-36	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050907-128	Bot. 2'	x	x	
CEE-37	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050907-124	Top 2'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050907-125	Top 2'	x	x	
CEE-38	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050907-126	4-8'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050907-127	8-10'	x	x	

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RCRA 8 Total Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, & Silver
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
* SPLP Analysis by EPA 1312

Table 2
Sample Summary - Soil
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project # 2005.045

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-39	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050907-121	2-4'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
JTP050907-122	4-6'	x	x	
JTP050907-123	6-8'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8082
CEE-40	**AOC 9 - Former Gasoline Station State Street**			
JTP050906-117	5-7'	x	x	VOCs by 5035/8260
JTP050906-118	7-8'	x	x	
CEE-41	**AOC 9 - Former Gasoline Station State Street**			
JTP050906-115	2-4'	x	x	
JTP050906-116	7-8'	x	x	VOCs by 5035/8260
CEE-42	**AOC 9 - Former Gasoline Station State Street**			
JTP050906-112	2-4'	x	x	VOCs by 5035/8260
JTP050906-113	4-6'	x		
JTP050906-114	6-8'	x	x	VOCs by 5035/8260
CEE-43	**AOC 9 - Former Gasoline Station State Street**			
JTP050906-110	2-4'	x	x	VOCs by 5035/8260
JTP050906-111	5-7'	x	x	
CEE-44	**AOC 10 - Former Plumbing & Pipe Shop**			
JTP050906-105	2-3'	x	x	VOCs by 5035/8260
JTP050906-106	3-4'	x	x	
JTP050906-107	7-8'	x		
CEE-45	**AOC 10 - Former Plumbing & Pipe Shop**			
JTP050906-103	0-4'	x	x	VOCs by 5035/8260
JTP050906-104	5-7'	x	x	
CEE-46	**AOC 10 - Former Plumbing & Pipe Shop**			
JTP050906-101	0-4'	x	x	VOCs by 5035/8260
JTP050906-102	6-8'	x	x	
CEE-47	**AOC 10 - Former Plumbing & Pipe Shop**			
JTP050906-108	2-4'	x	x	VOCs by 5035/8260
JTP050906-109	5-7'	x	x	

Soil Boring Sample ID	AOC Depth BSG	OVM	PetroFLAG™	Parameters
CEE-48	**AOC 1 - Site Wide Fill**			
JTP050912-153	5-7'	x		
JTP050912-154	10-12'	x		
CEE-49	**AOC 1 - Site Wide Fill**			
JTP050912-151	1-3'	x	x	
JTP050912-152	5-7'	x		VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals, Heavy Metals, & PCBs by 8082
CEE-50	**AOC 1 - Site Wide Fill**			
JTP050912-149	0-2'	x		VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
JTP050912-150	2-4'	x		
CEE-51	**AOC 3 - Former Meriden Britannia Co. and INSILCO Factory**			
JTP050902-88	2-4'	x		
JTP050902-89	6-8'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270*, RCRA 8 Total Metals*, Heavy Metals*, Cyanide & PCBs by 8
JTP050902-90	10-12'	x	x	
CEE-52	**AOC 11 - Former Canberra Industries Inc.**			
JTP050829-31	1-3'	x	x	
JTP050829-32	5-7'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, & SVOCs by 8270*
CEE-53	**AOC 6 - Former Auto Sales & Service**			
JTP050830-42	0-1.5'	x	x	VOCs by 8260/5035, CT ETPH, RCRA 8 Total Metals*, Heavy Metals*, PAHs by 8270*, & PCBs by 8082
JTP050830-43	1.5-2.5'	x	x	
JTP050830-46	2.5-3.5'	x		
CEE-54	**AOC 5 - Former Gasoline Station Pratt Street**			
JTP050902-97	2-4'	x	x	
JTP050902-98	4-6'	x	x	VOCs by 5035/8260
CEE-55	**AOC 1 - Site Wide Fill**			
JTP050908-142	2-4'	x		VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
JTP050908-143	10-12'	x	x	VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
CEE-56	**AOC 1 - Site Wide Fill**			
JTP050912-146	1-3'	x		VOCs by 8260/5035, CT ETPH, SVOCs by 8270, RCRA 8 Total Metals*, Heavy Metals*, & PCBs by 8082
JTP050912-147	5-7'	x	x	
JTP050912-148	7-8'	x		

Notes:
OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
PetroFLAG™ = Extractable Total Petroleum Hydrocarbon Screening Test
AOC = Area of Environmental Concern
BSG = Below Surface Grade
Heavy Metals = Antimony, Beryllium, Thallium, Copper, Nickel, & Zinc
* SPLP Analysis by EPA 1312

VOCs = Volatile Organic Compounds
CT ETPH = Extractable Total Petroleum Hydrocarbons analyzed by the Connecticut Method
RCRA 8 Total Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, & Silver
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
* SPLP Analysis by EPA 1312

Table 3

Sample Summary Ground Water

Table 3
Sample Su[illegible]y - Water
CT DEP [illegible]en-HUB
State and East Main Streests, Meriden, Connecticut
CEE Project # 2005.045

Mon. Well Sample ID	AOC	Parameters
Existing Monitoring Wells		
MW-3	**AOC 3 - Former Meriden Britannia Co. & INSILCO Factory**	
JTP050810-12		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-4	**AOC 3 - Former Meriden Britannia Co. & INSILCO Factory**	
JTP050810-10		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-5	**AOC 9 - Former Gasoline Station State Street**	
JTP050810-13		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-101	**AOC 1 - Site Wide Fill**	
JTP050809-07		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-102	**AOC 1 - Site Wide Fill**	
JTP050810-09		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-104	**AOC 1 - Site Wide Fill**	
JTP050809-06		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-106	**AOC 10 - Former Plumbing & Pipe Shop**	
JTP050812-14		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-107	**AOC 1 - Site Wide Fill**	
JTP050808-04		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW-108	**AOC 1 - Site Wide Fill**	
JTP050808-03		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
Temporary Monitoring Wells		
MW-109	**AOC 5 - Former Gasoline Station Pratt Street**	
JTP050809-05		OVM VOCs by 8260, CT ETPH, Total Lead, & Cyanide
MW CEE-2	**AOC 11 - Former Canberra Industries**	
CEC050914-164		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals & PAHs by 8270
MW CEE-6	**AOC 11 - Former Canberra Industries**	
CEC050914-165		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals & PAHs by 8270

Mon. Well Sample ID	AOC	Parameters
MW CEE-8a	**AOC 6 - Former Auto Sales & Service**	
CEC050921-176		VOCs by 8260, PCBs by 8082, RCRA 8 Total Metals, & PAHs by 8270
MW CEE-15	**AOC 7 - Former Machine Shop**	
CEC050915-169		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals & PAHs by 8270
MW CEE-17	**AOC 3 - Former Meriden Britannia Co. & INSILCO Factory**	
CEC050916-173		VOCs by 8260, PCBs by 8082, RCRA 8 Total Metals, Heavy Metals, SVOCs by 8270, & Cyanide
MW CEE-23	**AOC 3 - Former Meriden Britannia Co. & INSILCO Factory**	
CEC050915-168		VOCs by 8260, PCBs by 8082, RCRA 8 Total Metals, Heavy Metals, SVOCs by 8270, & Cyanide
MW CEE-31	**AOC 1 - Site Wide Fill**	
CEC050921-178		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals, & SVOCs by 8270
MW CEE-41	**AOC 9 - Former Gasoline Station State Street**	
CEC050921-177		VOCs by 8260
MW CEE-47	**AOC 10 - Former Plumbing & Pipe Shop**	
CEC050913-159		VOCs by 8260
MW CEE-49	**AOC 1 - Site Wide Fill**	
CEC050916-172		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals, & SVOCs by 8270
MW CEE-54	**AOC 5 - Former Gasoline Station Pratt Street**	
CEC050914-163		VOCs by 8260
MW CEE-56	**AOC 1 - Site Wide Fill**	
CEC050913-160		VOCs by 8260, RCRA 8 Total Metals, Heavy Metals & PAHs by 8270

Notes:

OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
VOCs = Volatile Organic Compounds
CT ETPH = Extractable Total Petroleum Hydrocarbons by the Connecticut method
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
RCRA 8 Total Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, & Silver
Heavy Metals = Antimony, Beryllium, Thallium, Copper, Nickel, & Zinc
AOC = Area Of Concern

Table 4

Field Screening Results

Table 4
Field Screening Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project # 2004.045
Listed Numerically by AOC

Soil Boring Sample ID	Depth BSG	OVM (ppm)	PetroFLAG™ (ppm)	Comments
AOC-1: Site Wide Fill				
CEE-33				
JTP050908-137	0-4'	ND		Sand, Silt, and Gravel
CEE-32				
JTP050908-138	4-8'	ND	890	Brick, Asphalt, and Sandstone Present
CEE-31				
JTP050908-139	0-4'	ND		Sand and Gravel
JTP050908-140	12-15'	12.9	225	Green Substance Present/Solvent Odor Detected
JTP050908-141	12-15' (dup.)			Same as above
CEE-55				
JTP050908-142	2-4'	ND		Brick and Wood Present
JTP050908-143	10-12'	ND	91	Native
CEE-56				
JTP050912-146	1-3'	ND		Cinder Ash, Slag, Sandstone, and Fire Brick Present
JTP050912-147	5-7'	ND	2	Cinder Ash, Coal, and Slag Present
JTP050912-148	7-8'	ND		Slight Decay Odor/Native
CEE-50				
JTP050912-149	0-2'	ND		Coal Present
JTP050912-150	2-4'	ND		Sand and Silt
CEE-49				
JTP050912-151	1-3'	ND	8	Cinder Ash and Sandstone Present/Slight Decay Odor
JTP050912-152	5-7'	49.0		Green Substance Present/Mild Solvent Odor Detected
CEE-48				
JTP050912-153	5-7'	ND		Native
JTP050912-154	10-12'	ND		Native
AOC-3: Former Meriden Britannia Co. and INSILCO Factory				
CEE-17				
JTP050901-68	0-4'	ND		Brick, Ash, Coal, Glass, and Metal Present
JTP050901-69	6-8'	61.7	4,320	Hydrocarbon Odor
JTP050901-70	8-10'	66	4,380	Hydrocarbon Staining and Odor
JTP050901-71	10-12'	14.6		Moderate Hydrocarbon Staining and Odor
CEE-18				
JTP050829-25	1-3'	ND	391	Coal, Ash and Wood Present/Refusal @ 4' 2"

Soil Boring Sample ID	AOC Depth BSG	OVM (ppm)	PetroFLAG™ (ppm)	Comments
CEE-19				
JTP050901-72	0-4'	ND	752	Brick, Coal, Glass, and Copper Wire Present
JTP050901-73	6-8'	ND	33	Native
JTP050901-74	8-12'	ND		Native
CEE-20				
JTP050901-75	0-2'	ND	171	Brick, Concrete, Coal, and Ash Present
JTP050901-76	5-8'	ND	110	Brick, Concrete, Coal, Ash, and White Chaulky Substance Present
JTP050901-77	5-8' (dup.)	ND		Same as above
JTP050901-78	10-12'	ND		Native
CEE-21				
JTP050901-81	0-4'	ND	672	Concrete, Brick, Ash, Glass, Cinder Ash, and Slag Present
JTP050901-82	4-8'	ND		
CEE-22				
JTP050908-135	0-4'	ND	213	Sand and Gravel
JTP050908-136	8-10'	ND	11	Native
CEE-23				
JTP050902-85	2-4'	ND	235	Coal, Brick, and Sandstone Present
JTP050902-86	6-8'	ND	118	Brick, Ash, Coal, Wood, and Fire Brick Present
JTP050902-87	8-10'	ND		Native
CEE-24				
JTP050901-79	4-8'	ND	164	Sand
JTP050901-80	10-12'	ND	17	Sand, Silt, and Gravel
CEE-34				
JTP050908-133	0-4'	ND	7,370	Sand, Silt, and Gravel
JTP050908134	6-8'	ND	207	Slight Decay Odor
CEE-35				
JTP050907-129	Bot. 2'	ND	1,452	Cinder Ash and Coal Present
JTP050907-130	5-7'	ND	34	Native
CEE-36				
JTP050907-128	Bot. 2'	ND	61	Homogenous Sand
CEE-37				
JTP050907-124	Top 2'	ND	2,840	Cinder Ash Present
JTP050907-125	Top 2'	ND	398	Saline and Decay Odor Noted/Organic Material Present

Soil Boring Sample ID	Depth BSG	OVM (ppm)	PetroFLAG™ (ppm)	Comments
CEE-38				
JTP050907-126	4-8'	ND	24	Sand and Gravel
JTP050907-127	8-10'	ND	30	Sand and Gravel
CEE-39				
JTP050907-121	2-4'	ND	1,372	Cinder Ash/Organic Matter Present
JTP050907-122	4-6'	ND	274	Slight Decay Odor
JTP050907-123	6-8'	ND	3,940	Strong Decay Odor/Oily
CEE-51				
JTP050902-88	2-4'	ND		Wood, Concrete, Brick, and Slag Present
JTP050902-89	6-8'	ND	2,910	Coal, Ash, Slag, and Cinder Ash Present
JTP050902-90	10-12'	ND	35	Native - Organic Matter Present
AOC-5: Former Gasoline Station Pratt Street				
CEE-27				
JTP050902-91	0-2'	ND	138	Coal, Ash, Brick, and Fire Brick Present
JTP050902-92	4-6'	ND	46	
CEE-29				
JTP050902-95	0-2'	ND	80	Processed Gravel Present
JTP050902-96	5-7'	ND	30	Native
CEE-30				
JTP050902-93	Bot. 2'	ND	251	Cinder Ash, Coal, and Processed Gravel Present
JTP050902-94	Bot. 2'	ND		Native
CEE-54				
JTP050902-97	2-4'	ND	27	Organic Odor
JTP050902-98	4-6'	ND	112	Black with Organic Odor
AOC-6: Former Auto Sales & Service				
CEE-8				
JTP050830-41	0.5-2'	ND		Concrete Refusal @ 1.5"
CEE-8a				
JTP050831-49	6-8'	100	80	Strong Hydrocarbon Odor and Staining
JTP050831-50	8-12'	ND	27	Native

Notes:
OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
PetroFLAG™ = Extractable Total Petroleum Hydrocarbon Screening Test
BSG = Below Surface Grade
ppm = parts per million
ND = Not Detected "Non-Detect"

Table 4
Field Screening Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project # 2004.045
Listed Numerically by AOC

Soil Boring Sample ID	Depth BSG	OVM (ppm)	PetroFLAG™ (ppm)	Comments
CEE-9				
JTP050811-54	Bot. 2'	ND		Coal Present
JTP050811-55	6-8'	ND		Native
JTP050811-56	8-12'	ND	42	Native
CEE-10				
JTP050831-51	Bot. 2'	ND		Coal Present
JTP050831-52	6-8'	55	97	Moderate Hydrocarbon Odor
JTP050831-53	10-12'	ND	21	Native
CEE-11				
JTP050830-44	Bot. 2'	ND		Cinder Ash, Slag, and Coal Present
JTP050830-45	at 7'	ND	694	Black Staining @ Water Table
CEE-53				
JTP050830-42	0-1.5'	10.6	937	Ash, Coal, and Slag Present/Slight Hydrocarbon Odor
JTP050830-43	1.5-2.5'	17.6	938	Hydrocarbon Odor
JTP050830-46	2.5-3.5'	8.3		Hydrocarbon Odor
AOC-7: Former Machine Shop				
CEE-12				
JTP050831-62	2-4'	ND	48	Ash, Slag, Coal, and Brick Present
JTP050831-63	4-6'	ND	30	Native
CEE-13				
JTP050831-57	2-4'	ND	409	Coal, Brick, and Slag Present
JTP050831-58	Bot. 2'	ND	40	Native
CEE-14				
JTP050831-59	Top 2'	ND	1,371	Wood, Brick, Glass, Slag, and Sandstone Present
JTP050831-60	8-12'	ND		Native
JTP050831-61	Top 2'	ND	87	Native
CEE-15				
JTP050901-66	2-4'	ND	338	Brick, Concrete, Coal, and Shells Present
JTP050901-67	10-12'	ND	24	Native
AOC-9: Former Gasoline Station State Street				
CEE-40				
JTP050906-117	5-7'	ND	71	Native
JTP050906-118	7-8'	ND	34	Native
CEE-41				
JTP050906-115	2-4'	ND	255	Sand, Silt, and Gravel
JTP050906-116	7-8'	267	7,980	Strong Hydrocarbon Odor and Heavy Staining
CEE-42				
JTP050906-112	2-4'	124.9	6,560	Strong Hydrocarbon Odor/Cinder Ash and Coal Present
JTP050906-113	4-6'	6.2		Hydrocarbon Odor
JTP050906-114	6-8'	187.1	10,240	Very Strong Hydrocarbon Odor and Heavy Staining
CEE-43				
JTP050906-110	2-4'	ND	185	Cinder Ash and Coal Present
JTP050906-111	5-7'	ND	188	Native
AOC-10: Former Plumbing & Pipe Shop				
CEE-44				
JTP050906-105	2-3'	ND	2,540	Cinder Ash and Coal Present
JTP050906-106	3-4'	ND	217	Sand and Silt
JTP050906-107	7-8'	ND		Native
CEE-45				
JTP050906-103	0-4'	ND	487	Sand, Silt, and Gravel
JTP050906-104	5-7'	ND	40	Native
CEE-46				
JTP050906-101	0-4'	ND	222	Sand, Silt, and Gravel
JTP050906-102	6-8'	ND	107	Native
CEE-47				
JTP050906-108	2-4'	130	150	Hydrocarbon Staining and Odor
JTP050906-109	5-7'	98.1	501	Heavy Hydrocarbon Staining and Odor
AOC-11: Former Canberra Industries				
CEE-1				
JTP050829-16	18"-4'	ND	962	Slag, Glass, Coal, and Brick Present
JTP050829-17	6-5'	ND	38	Native
JTP050829-18	10-12'	ND		Native
CEE-2				
JTP050829-20	5"-19"	ND	114	Concrete Refusal @ 19"
JTP050829-23	2-4'	ND	967	Ash, Slag and Brick Present
JTP050829-24	4-8'	ND		Native
CEE-3				
JTP050829-29	0-4'	ND	315	Sand and Gravel
JTP050829-30	6-8'	ND	16	Native
CEE-4				
JTP050829-26	2-4'	ND	1,457	Cinder Ash and Brick Present
JTP050829-27	4-6'	ND	237	Cinder Ash, Coal, and Brick Present
JTP050829-28	6-8'	ND	30	Native
CEE-5				
JTP050829-21	4-8'	ND	315	Sand and Silt
JTP050829-22	8-12'	ND	78	Native
CEE-6				
JTP050830-36	2-4'	ND	942	Brick, Ash, Slag, and Pieces of Cast Iron Present
JTP050830-37	Top 2'	ND		Native
CEE-7				
JTP050830-39	0-4'	ND	48	Ash, Coal, and Slag Present
JTP050830-40	6-8'	ND	34	Native
CEE-16				
JTP050829-33	2-4'	ND	886	Glass Present
JTP050829-34	7-8'	ND	18	
CEE-26				
JTP050830-38	2-4'	ND	431	Brick, Ash, and Slag Present
CEE-52				
JTP050829-31	1-3'	ND	26	Sand
JTP050829-32	5-7'	ND	1,640	Cinder Ash, Coal, and Slag Present

Notes:
OVM = Organic Vapor Meter Model 580S with 10.6eV Bulb
PetroFLAG™ = Extractable Total Petroleum Hydrocarbon Screening Test
BSG = Below Surface Grade
ppm = parts per million
ND = Not Detected "Non-Detect"

Table 5

Soil Analyses

Ta
Soil
CT DEP N a-HUB
September 2005
East Main and State Streets, Meriden, CT
CEE Project #2005.045
All Measurement Units mg/kg or mg/l

Sample ID:				JTP050829-16	JTP050829-26	JTP050829-32	JTP050830-36	JTP050830-38	JTP050830-40	JTP050830-42	JTP050830-44
Sample Location:				CEE-1	CEE-4	CEE-52	CEE-6	CEE-26	CEE-7	CEE-53	CEE-11
Sample Depth BSG:				1.5-4'	2-4'	5-7'	2-4'	2-4'	6-8'	0-1.5'	2-4'
Sample Matrix:				Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Primary AOC:				AOC-11	AOC-11	AOC-11	AOC-11	AOC-11	AOC-11	AOC-6	AOC-6
	CT Remediation Standard Regulations										
VOCs - EPA Method 5035/8260	**RDEC**	**I/C DEC**	**GB PMC**	Canberra Ind.	Canberra Ind.	Canberra Ind.	Canberra Ind.	Canberra Ind.	Canberra Ind.	Auto Sales and Service	Auto Sales and Service
Acetone	500	1,000	140	BRL	BRL	0.112	BRL	0.162	BRL	0.18	BRL
Benzene	21	200	0.2	BRL	BRL	BRL	0.0097	BRL	BRL	BRL	0.0069
n-Butylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	4.7	44	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	100	940	1.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	500	1,000	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	500	1,000	10.1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	500	1,000	132	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	500	1,000	41.8	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	12	110	1	BRL	BRL	0.0048	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	500	1,000	40	BRL	BRL	0.0128	BRL	BRL	BRL	BRL	BRL
Trichloroethene	56	520	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	500	1,000	70	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	500	1,000	70	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	0.32	3	0.4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All Other VOCs - BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
CT ETPH - CT Method											
ETPH	500	2,500	2,500	1,060	311	284	165	72.1	BRL	470	182
PCBs - EPA Method 8082											
PCB 1260	1	10	~	*	*	*	*	*	*	BRL	BRL
All Other PCBs - BRL				*	*	*	*	*	*	BRL	BRL
SPLP PCBs 1312/8082	~	~	0.005								
SVOCs and Polynuclear Aromatics - EPA Method 8270											
Acenaphthene	1,000	2,500	84	BRL	2.62	0.686	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	1,000	2,500	84	2.84	1.87	BRL	BRL	BRL	BRL	0.327	BRL
Anthracene	1,000	2,500	400	1.23	4.52	2	BRL	0.204	BRL	0.675	BRL
Benzidine	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo (a) anthracene	1	7.8	1	8.54	9.55	6.02	1.4	1.4	BRL	2.23	0.3
Benzo (a) pyrene	1	1	1	6.62	7.26	4.84	1.1	1.17	BRL	1.44	0.234
Benzo (b) fluoranthene	1	7.8	1	6.25	5.94	4.39	1	1.11	BRL	1.24	0.24
Benzo (g,h,i) perylene	1,000	2,500	42	3.52	2.58	2.37	0.583	0.531	BRL	0.634	BRL
Benzo (k) fluoranthene	8.4	78	1	5.17	6.79	4.86	1.04	1.21	BRL	1.57	0.232
Butyl Benzyl Phthalate	1,000	2,500	200	BRL	BRL	BRL	BRL	2.64	BRL	*	*
Carbazole	31	290	1	BRL	1.97	0.972	BRL	0.516	BRL	*	*
Chrysene	84	780	1	10.3	8.58	5.12	1.31	1.16	BRL	1.9	0.311
Dibenzo[a,h]anthracene	1	1	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibenzofuran	270	2,500	5.6	BRL	3.2	BRL	BRL	BRL	BRL	*	*
Fluoranthene	1,000	2,500	56	9.22	21.3	11.3	2.13	1.35	BRL	3.88	0.573
Fluorene	1,000	2,500	56	BRL	5.15	1.25	BRL	BRL	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	1	7.8	1	3.25	2.99	2.59	0.576	0.535	BRL	0.679	BRL
1-Methylnaphthalene	NE	NE	NE	BRL	1.69	BRL	BRL	BRL	BRL	BRL	BRL
2-Methylnaphthalene	474	2,500	9.8	BRL	BRL	BRL	BRL	BRL	BRL	*	*
Naphthalene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	*	*
3-Nitroaniline	200	2,500	4.2	BRL	BRL	0.618	BRL	BRL	BRL	*	*
Phenanthrene	1,000	2,500	40	3.03	25.7	9.1	1.2	0.737	BRL	2.62	0.355
Pyrene	1,000	2,500	40	23	22.2	18.8	2.31	1.35	BRL	2.89	0.475
All Other SVOCs and/or PAHs BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SPLP SVOCs and PAHs - EPA Methods 1312/8270C		**GWPC ug/l**	**10 x GWPC ug/l**								
Acenaphthene		420	4,200	BRL	6.4	BRL	BRL	BRL	*	BRL	*
Carbazole		10	100	*	16.7	*	*	*	*	*	*
Dibenzofuran		28	280	BRL	7.2	BRL	BRL	BRL	*	BRL	*
Fluorene		280	2,800	BRL	11.4	BRL	BRL	BRL	*	BRL	*
Phenanthrene		200	2,000	BRL	19.4	BRL	BRL	BRL	*	BRL	*
All Other SVOCs and PAHs				BRL	BRL	BRL	BRL	BRL	*	BRL	*
Total Metals - EPA Method 6010 (Mercury 7471)											
Total Antimony	27	8200	~	BRL	68.3	BRL	BRL	BRL	BRL	BRL	BRL
Total Arsenic	10	10	~	3.37	8.94	BRL	BRL	BRL	BRL	BRL	BRL
Total Barium	4,700	140,000	~	126	90.7	58.7	103	94.4	319	164	76.2
Total Beryllium	2	2	~	0.478	0.482	0.383	0.469	0.5	0.674	0.794	0.472
Total Cadmium	34	1,000	~	2.55	0.288	BRL	0.402	0.291	BRL	0.527	BRL
Total Chromium	3,900/100**	51,000/100**	~	18	9.52	12.4	14.7	15.1	20.6	19	18.9
Total Copper	2,500	76,000	~	234	444	44.5	124	65.2	34.8	339	129
Total Lead	400	1,000	~	88.7	43	51.4	130	126	9	331	54.9
Total Mercury	20	610	~	1.21	0.636	0.263	0.453	0.358	BRL	1.45	0.348
Total Nickel	1,400	7,500	~	46.7	24	10.4	17.2	18.1	18.1	22.8	19.1
Total Selenium	340	10,000	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Silver	340	10,000	~	17.5	12.2	BRL	3.02	BRL	BRL	2.04	BRL
Total Thallium	5.4	160	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Vanadium	470	14,000	~	32.2	32.2	31.4	35.8	33.3	51.1	65	38.7
Total Zinc	20,000	610,000	~	302	184	66.2	133	131	86.9	381	92.1
Arithmetic Predictor of Leachability Total Metals Divisor of 20 Compared to GB PMC											
Total Antimony	~	~	0.06	#VALUE!	3.415	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Arsenic	~	~	0.5	0.1685	0.447	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Barium	~	~	10	6.3	4.535	2.935	5.15	4.72	15.95	8.2	3.81
Total Beryllium	~	~	0.04	0.0239	0.0241	0.01915	0.02345	0.025	0.0337	0.0397	0.0236
Total Cadmium	~	~	0.05	0.1275	0.0144	#VALUE!	0.0201	0.01455	#VALUE!	0.02635	#VALUE!
Total Chromium	~	~	0.5	0.9	0.476	0.62	0.735	0.755	1.03	0.95	0.945
Total Copper	~	~	13	11.7	22.2	2.225	6.2	3.26	1.74	16.95	6.45
Total Lead	~	~	0.15	4.435	2.15	2.57	6.5	6.3	0.45	16.55	2.745
Total Mercury	~	~	0.02	0.0605	0.0318	0.01315	0.02265	0.0179	#VALUE!	0.0725	0.0174
Total Nickel	~	~	1	2.335	1.2	0.52	0.86	0.905	0.905	1.14	0.955
Total Selenium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Silver	~	~	0.36	0.875	0.61	#VALUE!	0.151	#VALUE!	#VALUE!	0.102	#VALUE!
Total Thallium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Vanadium	~	~	0.5	1.61	1.61	1.57	1.79	1.665	2.555	3.25	1.935
Total Zinc	~	~	50	15.1	9.2	3.31	6.65	6.55	4.345	19.05	4.605
SPLP Metals - EPA Method 6010/1312											
SPLP Antimony	~	~	0.06	*	0.124	*	*	*	*	*	*
SPLP Arsenic	~	~	0.5	*	*	*	*	*	*	*	*
SPLP Barium	~	~	10	*	*	*	*	*	0.0533	*	*
SPLP Beryllium	~	~	0.04	*	*	*	*	*	*	*	*
SPLP Cadmium	~	~	0.05	BRL	*	*	*	*	*	*	*
SPLP Chromium	~	~	0.5	BRL	*	0.007	BRL	BRL	0.0062	0.0068	BRL
SPLP Copper	~	~	13	*	0.551	*	*	*	*	0.0177	*
SPLP Lead	~	~	0.15	0.0291	0.302	0.06	BRL	0.0087	BRL	0.0148	0.0426
SPLP Mercury	~	~	0.02	BRL	0.00237	*	BRL	*	*	BRL	*
SPLP Nickel	~	~	1	0.0074	0.0486	*	*	*	*	BRL	*
SPLP Selenium	~	~	0.5	*	*	*	*	*	*	*	*
SPLP Silver	~	~	0.36	BRL	0.0134	*	*	*	*	*	*
SPLP Thallium	~	~	0.05	*	*	*	*	*	*	*	*
SPLP Vanadium	~	~	0.5	BRL	0.0586	0.0082	BRL	0.0054	0.0092	0.008	0.0056
SPLP Zinc	~	~	50	*	*	*	*	*	*	*	*
Cyanide - EPA Method 9012											
Cyanide	1,400	41,000	~	*	*	*	*	*	*	*	*
Total Cyanide Divisor of 20	~	~	2	*	*	*	*	*	*	*	*

Notes:
** trivalent chromium/hexavalent chromium
RDEC - Residential Direct Exposure Criteria
I/C DEC - Industrial/Commercial Direct Exposure Criteria
GB PMC - GB Pollutant Mobility Criteria
ND Not Detected
Shaded area indicates levels detected or calculated above RSR Criteria
* Not Analyzed
~ Not Applicable
BRL - Below Reporting Limit
NE - Not Established
#VALUE! - BRL

Tr[illegible]
Soil [illegible]
CT DEP M[illegible]n-HUB
September 2005
East Main and State Streets, Meriden, CT
CEE Project #2005.045
All Measurement Units mg/kg or mg/l

Sample ID:				JTP050831-49	JTP050831-52	JTP050831-57	JTP050831-59	JTP050831-63	JTP050901-66	JTP050901-69	JTP050901-72	JTP050901-76	JTP050901-77
Sample Location:				CEE-8a	CEE-10	CEE-13	CEE-14	CEE-12	CEE-15	CEE-17	CEE-19	CEE-20	Dup. CEE-20
Sample Depth BSG:				6-8'	6-8'	2-4'	2-4'	4-6'	2-4'	6-8'	0-4'	5-8'	5-8'
Sample Matrix:				Fill	Sand and Silt	Fill	Fill	Sand and Silt	Fill	Fill	Fill	Fill	Fill
Primary AOC:				AOC-6	AOC-6	AOC-7	AOC-7	AOC-7	AOC-7	AOC-3	AOC-3	AOC-3	AOC-3
	CT Remediation Standard Regulations			Auto Sales	Auto Sales	Machine Shop	Machine Shop	Machine Shop	Machine Shop	Insilco	Insilco	Insilco	Insilco
VOCs - EPA Method 5035/8260	**RDEC**	**I/C DEC**	**GB PMC**	and Service	and Service								
Acetone	500	1,000	140	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	21	200	0.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	500	1,000	14	0.542	1.58	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	500	1,000	14	0.175	0.783	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	500	1,000	14	BRL	0.127	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	4.7	44	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.183	0.204
Chloroform	100	940	1.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.235	0.233
cis-1,2-Dichloroethene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.283	0.329
trans-1,2-Dichloroethene	500	1,000	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	500	1,000	10.1	0.137	0.174	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	500	1,000	132	0.292	1.48	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	500	1,000	41.8	0.0853	0.324	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	1,000	2,500	56	0.602	3.11	BRL	BRL	BRL	BRL	BRL	0.493	BRL	BRL
n-Propylbenzene	500	1,000	14	0.61	2.97	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	12	110	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	500	1,000	40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	56	520	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.204	25.4	25.6
1,2,4-Trimethylbenzene	500	1,000	70	0.766	0.705	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	500	1,000	70	0.416	0.301	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	0.32	3	0.4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All Other VOCs - BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
CT ETPH - CT Method													
ETPH	500	2,500	2,500	79.4	179	796	431	BRL	181	BRL	382	62.3	76.6
PCBs - EPA Method 8082													
PCB 1260	1	10	~	BRL	BRL	*	*	*	*	BRL	0.109	BRL	BRL
All Other PCBs - BRL				BRL	BRL	*	*	*	*	BRL	BRL	BRL	BRL
SPLP PCBs 1312/8082	~	~	0.005								BRL	*	*
SVOCs and Polynuclear Aromatics - EPA Method 8270													
Acenaphthene	1,000	2,500	84	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	1,000	2,500	84	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	1,000	2,500	400	0.401	BRL	BRL	0.932	BRL	0.346	BRL	BRL	BRL	BRL
Benzidine	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo (a) anthracene	1	7.8	1	0.804	BRL	BRL	2.61	BRL	0.618	BRL	2.24	BRL	BRL
Benzo (a) pyrene	1	1	1	0.526	BRL	BRL	2.15	BRL	0.696	BRL	2.22	BRL	BRL
Benzo (b) fluoranthene	1	7.8	1	0.383	BRL	BRL	2	BRL	0.579	BRL	1.88	BRL	BRL
Benzo (g,h,i) perylene	1,000	2,500	42	0.28	BRL	BRL	1.58	BRL	0.328	BRL	BRL	BRL	BRL
Benzo (k) fluoranthene	8.4	78	1	0.475	BRL	BRL	1.78	BRL	0.66	BRL	2.26	BRL	BRL
Butyl Benzyl Phthalate	1,000	2,500	200	*	*	*	*	*	*	BRL	BRL	BRL	BRL
Carbazole	31	290	1	*	*	*	*	*	*	BRL	BRL	BRL	BRL
Chrysene	84	780	1	0.749	BRL	BRL	2.34	BRL	0.73	BRL	2.28	BRL	BRL
Dibenzo[a,h]anthracene	1	1	1	BRL	BRL	BRL	0.368	BRL	BRL	BRL	BRL	BRL	BRL
Dibenzofuran	270	2,500	5.6	*	*	*	*	*	*	BRL	BRL	BRL	BRL
Fluoranthene	1,000	2,500	56	1.31	BRL	BRL	5.41	BRL	1.41	BRL	5.24	0.455	BRL
Fluorene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	1	7.8	1	0.25	BRL	BRL	1.54	BRL	0.296	BRL	BRL	BRL	BRL
1-Methylnaphthalene	NE	NE	NE	BRL	0.703	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Methylnaphthalene	474	2,500	9.8	*	1.66	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	1,000	2,500	56	0.29	1.17	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
3-Nitroaniline	200	2,500	4.2	0.808	*	*	*	*	*	BRL	BRL	BRL	BRL
Phenanthrene	1,000	2,500	40	1.3	BRL	BRL	3.46	BRL	0.799	BRL	3.44	BRL	BRL
Pyrene	1,000	2,500	40	1.13	BRL	BRL	3.71	BRL	1.28	BRL	5.15	0.427	BRL
All Other SVOCs and/or PAHs BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL		BRL	BRL
SPLP SVOCs and PAHs - EPA Methods 1312/8270C		GWPC ug/l	10 x GWPC ug/l										
Acenaphthene		420	4,200	*	*	*	BRL	*	*	*	BRL	*	*
Carbazole		10	100	*	*	*	*	*	*	*	*	*	*
Dibenzofuran		28	280	*	*	*	BRL	*	*	*	BRL	*	*
Fluorene		280	2,800	*	*	*	BRL	*	*	*	BRL	*	*
Phenanthrene		200	2,000	*	*	*	BRL	*	*	*	BRL	*	*
All Other SVOCs and PAHs				*	*	*	BRL	*	*	*	BRL	*	*
Total Metals - EPA Method 6010 (Mercury 7471)													
Total Antimony	27	8200	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Arsenic	10	10	~	BRL	BRL	5.82	BRL	BRL	BRL	BRL	3.7	8.95	11
Total Barium	4,700	140,000	~	110	388	78.7	132	79.2	73.8	217	195	146	178
Total Beryllium	2	2	~	0.423	1.24	0.404	0.528	0.513	0.498	1.34	0.654	0.593	0.578
Total Cadmium	34	1,000	~	0.499	BRL	0.266	0.324	BRL	BRL	BRL	BRL	BRL	BRL
Total Chromium	3,900/100**	51,000/100**	~	9.48	33.8	13.5	15.8	21.1	13.9	40.1	205	14	13.4
Total Copper	2,500	76,000	~	1,690	10.8	239	148	125	124	18.7	932	200	126
Total Lead	400	1,000	~	286	19.8	151	143	39.9	113	BRL	369	3,670	6,630
Total Mercury	20	610	~	2.06	BRL	0.763	2.3	BRL	1.35	BRL	1.6	0.0054	0.379
Total Nickel	1,400	7,500	~	14.2	12.9	20.5	50.5	16.8	23.9	16.2	141	39.8	37.4
Total Selenium	340	10,000	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Silver	340	10,000	~	6.66	BRL	7.67	2.67	BRL	5.23	BRL	82.7	10	5.02
Total Thallium	5.4	160	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Vanadium	470	14,000	~	22.5	106	34.5	38.4	49.7	27.5	80.1	40	31.2	27.1
Total Zinc	20,000	610,000	~	584	65.7	167	159	67.7	123	68.5	510	746	693
Arithmetic Predictor of Leachability													
Total Metals Divisor of 20 Compared to GB PMC													
Total Antimony	~	~	0.06	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Arsenic	~	~	0.5	#VALUE!	#VALUE!	0.291	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.185	0.4475	0.55
Total Barium	~	~	10	5.5	19.4	3.935	6.6	3.96	3.69	10.85	9.75	7.3	8.9
Total Beryllium	~	~	0.04	0.02115	0.062	0.0202	0.0264	0.02565	0.0249	0.067	0.0327	0.02965	0.0289
Total Cadmium	~	~	0.05	0.02495	#VALUE!	0.0133	0.0162	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Chromium	~	~	0.5	0.474	1.69	0.675	0.79	1.055	0.695	2.005	10.25	0.7	0.67
Total Copper	~	~	13	84.5	0.54	11.95	7.4	6.25	6.2	0.935	46.6	10	6.3
Total Lead	~	~	0.15	14.3	0.99	7.55	7.15	1.995	5.65	#VALUE!	18.45	183.5	331.5
Total Mercury	~	~	0.02	0.103	#VALUE!	0.03815	0.115	#VALUE!	0.0675	#VALUE!	0.08	0.00027	0.01895
Total Nickel	~	~	1	0.71	0.645	1.025	2.525	0.84	1.195	0.81	7.05	1.99	1.87
Total Selenium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Silver	~	~	0.36	0.333	#VALUE!	0.3835	0.1335	#VALUE!	0.2615	#VALUE!	4.135	0.5	0.251
Total Thallium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Vanadium	~	~	0.5	1.125	5.3	1.725	1.92	2.485	1.375	4.005	2	1.56	1.355
Total Zinc	~	~	50	29.2	3.285	8.35	7.95	3.385	6.15	3.425	25.5	37.3	34.65
SPLP Metals - EPA Method 6010/1312													
SPLP Antimony	~	~	0.06	*	*	*	*	*	*	*	*	*	*
SPLP Arsenic	~	~	0.5	*	*	*	*	*	*	*	*	*	BRL
SPLP Barium	~	~	10	*	0.206	*	*	*	*	0.0578	*	*	*
SPLP Beryllium	~	~	0.04	*	BRL	*	*	*	*	BRL	*	*	*
SPLP Cadmium	~	~	0.05	*	*	*	*	*	*	*	*	*	*
SPLP Chromium	~	~	0.5	*	0.034	BRL	BRL	BRL	0.0085	0.0118	0.0059	0.0179	0.027
SPLP Copper	~	~	13	0.176	*	*	*	*	*	*	0.0962	*	*
SPLP Lead	~	~	0.15	BRL	BRL	BRL	BRL	BRL	0.0226	*	0.0402	0.14	0.454
SPLP Mercury	~	~	0.02	BRL	*	BRL	0.00048	*	0.00046	*	BRL	*	*
SPLP Nickel	~	~	1	*	*	BRL	BRL	*	BRL	*	0.0148	0.014	0.013
SPLP Selenium	~	~	0.5	*	*	*	*	*	*	*	*	*	*
SPLP Silver	~	~	0.36	*	*	BRL	*	*	*	*	0.0104	BRL	*
SPLP Thallium	~	~	0.05	*	*	*	*	*	*	*	*	*	*
SPLP Vanadium	~	~	0.5	0.015	0.072	BRL	0.006	BRL	0.0172	0.013	0.0142	0.032	0.0465
SPLP Zinc	~	~	50	*	*	*	*	*	*	*	*	*	*
Cyanide - EPA Method 9012													
Cyanide	1,400	41,000	~	*	*	*	*	*	*	BRL	BRL	BRL	BRL
Total Cyanide Divisor of 20	~	~	2	*	*	*	*	*	*	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes:
** trivalent chromium/hexavalent chromium
RDEC - Residential Direct Exposure Criteria
I/C DEC - Industrial/Commercial Direct Exposure Criteria
GB PMC - GB Pollutant Mobility Criteria
ND Not Detected
Shaded area indicates levels detected or calculated above RSR Criteria
* Not Analyzed
~ Not Applicable
BRL - Below Reporting Limit
NE - Not Established #VALUE! - BRL

Carbazole		10	100	*	BRL	*	*	*	*	*	*	*	*	*
Dibenzofuran		28	280	*	BRL	*	*	*	*	*	*	*	*	*
Fluorene		280	2,800	*	BRL	*	*	*	*	*	*	*	*	*
Phenanthrene		200	2,000	*	BRL	*	*	*	*	*	*	*	*	*
All Other SVOCs and PAHs				*	BRL	*	*	*	*	*	*	*	*	*

Total Metals - EPA Method 6010 (Mercury 7471)

Total Antimony	**27**	8200	~	BRL	**105**	*	*	*	*	*	*	*	*	*
Total Arsenic	**10**	**10**	~	**3.15**	**2.99**	*	*	*	*	*	*	*	*	*
Total Barium	4,700	140,000	~	**71.1**	**65**	*	*	*	*	*	*	*	*	*
Total Beryllium	2	2	~	**0.422**	**0.373**	*	*	*	*	*	*	*	*	*
Total Cadmium	34	1,000	~	BRL	BRL	*	*	*	*	*	*	*	*	*
Total Chromium	3,900/100**	51,000/100**	~	**16.3**	**5.08**	*	*	*	*	*	*	*	*	*
Total Copper	2,500	76,000	~	**228**	**541**	*	*	*	*	*	*	*	*	*
Total Lead	**400**	**1,000**	~	**84.7**	**346**	*	*	*	*	*	*	*	*	*
Total Mercury	**20**	610	~	**27**	**7.93**	*	*	*	*	*	*	*	*	*
Total Nickel	1,400	7,500	~	**26.8**	**87.9**	*	*	*	*	*	*	*	*	*
Total Selenium	340	10,000	~	BRL	BRL	*	*	*	*	*	*	*	*	*
Total Silver	340	10,000	~	**54**	**59.1**	*	*	*	*	*	*	*	*	*
Total Thallium	5.4	160	~	BRL	BRL	*	*	*	*	*	*	*	*	*
Total Vanadium	470	14,000	~	**25.6**	**12.1**	*	*	*	*	*	*	*	*	*
Total Zinc	20,000	610,000	~	**461**	**361**	*	*	*	*	*	*	*	*	*

Arithmetic Predictor of Leachability

Total Metals Divisor of 20 Compared to GB PMC

Total Antimony	~	~	**0.06**	#VALUE!	**5.25**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Arsenic	~	~	**0.5**	**0.1575**	**0.1495**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Barium	~	~	**10**	**3.555**	**3.25**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Beryllium	~	~	**0.04**	**0.0211**	**0.01865**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Cadmium	~	~	**0.05**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Chromium	~	~	**0.5**	**0.815**	**0.254**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Copper	~	~	**13**	**11.4**	**27.05**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Lead	~	~	**0.15**	**4.235**	**17.3**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Mercury	~	~	**0.02**	**1.35**	**0.3965**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Nickel	~	~	**1**	**1.34**	**4.395**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Selenium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Silver	~	~	**0.36**	**2.7**	**2.955**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Thallium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Vanadium	~	~	**0.5**	**1.28**	**0.605**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Zinc	~	~	**50**	**23.05**	**18.05**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

SPLP Metals - EPA Method 6010/1312

SPLP Antimony	~	~	**0.06**	*	**0.038**	*	*	*	*	*	*	*	*	*
SPLP Arsenic	~	~	0.5	*	*	*	*	*	*	*	*	*	*	*
SPLP Barium	~	~	10	*	*	*	*	*	*	*	*	*	*	*
SPLP Beryllium	~	~	0.04	*	*	*	*	*	*	*	*	*	*	*
SPLP Cadmium	~	~	0.05	*	*	*	*	*	*	*	*	*	*	*
SPLP Chromium	~	~	0.5	BRL	*	*	*	*	*	*	*	*	*	*
SPLP Copper	~	~	13	*	BRL	*	*	*	*	*	*	*	*	*
SPLP Lead	~	~	**0.15**	BRL	**0.0312**	*	*	*	*	*	*	*	*	*
SPLP Mercury	~	~	0.02	**0.00957**	**0.00123**	*	*	*	*	*	*	*	*	*
SPLP Nickel	~	~	1	BRL	**0.0084**	*	*	*	*	*	*	*	*	*
SPLP Selenium	~	~	0.5	*	*	*	*	*	*	*	*	*	*	*
SPLP Silver	~	~	0.36	BRL	**0.0144**	*	*	*	*	*	*	*	*	*
SPLP Thallium	~	~	0.05	*	*	*	*	*	*	*	*	*	*	*
SPLP Vanadium	~	~	0.5	**0.0077**	BRL	*	*	*	*	*	*	*	*	*
SPLP Zinc	~	~	50	*	*	*	*	*	*	*	*	*	*	*

Cyanide - EPA Method 9012

Cyanide	1,400	41,000	~	**8.49**	**2.86**	*	*	*	*	*	*	*	*	*
Total Cyanide Divisor of 20	~	~	2	**0.4245**	**0.143**	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Notes:

** trivalent chromium/hexavalent chromium

RDEC - Residential Direct Exposure Criteria

I/C DEC - Industrial/Commercial Direct Exposure Criteria

GB PMC - GB Pollutant Mobility Criteria

ND Not Detected

Shaded area indicates levels detected or calculated above RSR Criteria

* Not Analyzed

~ Not Applicable

BRL - Below Reporting Limit

NE - Not Established

#VALUE! - BRL

Carbazole		10	100	*	*	*	*	*	*	*	*	*	*	*
Dibenzofuran		28	280	*	*	*	*	*	*	*	*	*	*	*
Fluorene		280	2,800	*	*	*	*	*	*	*	*	*	*	*
Phenanthrene		200	2,000	*	*	*	*	*	*	*	*	*	*	*
All Other SVOCs and PAHs				*	*	*	*	*	*	*	*	*	*	*
Total Metals - EPA Method 6010 (Mercury 7471)														
Total Antimony	27	8200	~	*	*	*	*	*	716	18.5	48.1	27.7	42.7
Total Arsenic	10	10	~	*	*	*	*	*	10.8	6.31	9.31	BRL	2.46
Total Barium	4,700	140,000	~	*	*	*	*	*	75.8	48.9	103	65.7	79.4
Total Beryllium	2	2	~	*	*	*	*	*	0.409	0.525	0.307	0.492	0.348
Total Cadmium	34	1,000	~	*	*	*	*	*	0.519	BRL	1.44	0.486	BRL
Total Chromium	3,900/100**	51,000/100**	~	*	*	*	*	*	8.63	9.71	21.5	9.8	8.99
Total Copper	2,500	76,000	~	*	*	*	*	*	1,470	84.9	996	276	62.8
Total Lead	400	1,000	~	*	*	*	*	*	858	5.52	534	56.8	31.8
Total Mercury	20	610	~	*	*	*	*	*	3.16	BRL	0.459	7.7	7.84
Total Nickel	1,400	7,500	~	*	*	*	*	*	225	22.9	204	81.9	11.2
Total Selenium	340	10,000	~	*	*	*	*	*	BRL	BRL	BRL	BRL	BRL
Total Silver	340	10,000	~	*	*	*	*	*	167	3.15	217	145	7.52
Total Thallium	5.4	160	~	*	*	*	*	*	BRL	BRL	BRL	BRL	BRL
Total Vanadium	470	14,000	~	*	*	*	*	*	19.3	26.5	24.8	18.8	20.5
Total Zinc	20,000	610,000	~	*	*	*	*	*	1,120	58.7	680	220	86.8
Arithmetic Predictor of Leachability													
Total Metals Divisor of 20 Compared to GB PMC													
Total Antimony	~	~	0.06	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	35.8	0.925	2.405	1.385	2.135
Total Arsenic	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.54	0.3155	0.4655	#VALUE!	0.123
Total Barium	~	~	10	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3.79	2.445	5.15	3.285	3.97
Total Beryllium	~	~	0.04	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.02045	0.02625	0.01535	0.0246	0.0174
Total Cadmium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.02595	#VALUE!	0.072	0.0243	#VALUE!
Total Chromium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.4315	0.4855	1.075	0.49	0.4495
Total Copper	~	~	13	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	73.5	4.245	49.8	13.8	3.14
Total Lead	~	~	0.15	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	42.9	0.276	26.7	2.84	1.59
Total Mercury	~	~	0.02	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.158	#VALUE!	0.02295	0.385	0.392
Total Nickel	~	~	1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	11.25	1.145	10.2	4.095	0.56
Total Selenium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Silver	~	~	0.36	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	8.35	0.1575	10.85	7.25	0.376
Total Thallium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Vanadium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.965	1.325	1.24	0.94	1.025
Total Zinc	~	~	50	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	56	2.935	34	11	4.34
SPLP Metals - EPA Method 6010/1312													
SPLP Antimony	~	~	0.06	*	*	*	*	*	1.63	0.084	0.0514	0.0177	BRL
SPLP Arsenic	~	~	0.5	*	*	*	*	*	BRL	*	*	*	*
SPLP Barium	~	~	10	*	*	*	*	*	*	*	*	*	*
SPLP Beryllium	~	~	0.04	*	*	*	*	*	*	*	*	*	*
SPLP Cadmium	~	~	0.05	*	*	*	*	*	*	*	BRL	*	*
SPLP Chromium	~	~	0.5	*	*	*	*	*	*	*	BRL	*	*
SPLP Copper	~	~	13	*	*	*	*	*	0.128	*	0.0434	0.055	*
SPLP Lead	~	~	0.15	*	*	*	*	*	0.194	BRL	0.0356	BRL	0.0124
SPLP Mercury	~	~	0.02	*	*	*	*	*	0.0005	*	BRL	0.00118	0.00345
SPLP Nickel	~	~	1	*	*	*	*	*	0.0284	0.005	0.0252	0.0092	BRL
SPLP Selenium	~	~	0.5	*	*	*	*	*	*	*	*	*	*
SPLP Silver	~	~	0.36	*	*	*	*	*	0.0184	*	0.0176	0.0286	BRL
SPLP Thallium	~	~	0.05	*	*	*	*	*	*	*	*	*	*
SPLP Vanadium	~	~	0.5	*	*	*	*	*	0.0036	0.0318	0.0098	0.0358	0.0137
SPLP Zinc	~	~	50	*	*	*	*	*	0.092	*	*	*	*
Cyanide - EPA Method 9012													
Cyanide	1,400	41,000	~	*	*	*	*	*	BRL	11.2	3.21	4.59	BRL
Total Cyanide Divisor of 20	~	~	2	*	*	*	*	*	#VALUE!	0.56	0.1605	0.2295	#VALUE!

Notes:

** trivalent chromium/hexavalent chromium

RDEC - Residential Direct Exposure Criteria

I/C DEC - Industrial/Commercial Direct Exposure Criteria

GB PMC - GB Pollutant Mobility Criteria

ND Not Detected

Shaded area indicates levels detected or calculated above RSR Criteria

* Not Analyzed

~ Not Applicable

BRL - Below Reporting Limit

NE - Not Established

#VALUE! - BRL

T
Soil
CT DEP Meriden-HUB
September 2005
East Main and State Streets, Meriden, CT
CEE Project #2005.045
All Measurement Units mg/kg or mg/l

Sample ID:				JTP050908-133	JTP050908-140	JTP050908-141	JTP050908-138	JTP050908-142	JTP050908-143	JTP050912-146	JTP050912-149	JTP050912-152
Sample Location:				CEE-34	CEE-31	Dup. CEE-31	CEE-32	CEE-55	CEE-55	CEE-56	CEE-50	CEE-49
Sample Depth BSG:				0-4' Top 2'	12-15'	12-15'	4-8'	2-4'	10-12'	1-3'	0-2'	5-7'
Sample Matrix:				Fill	Sand, silt, clay	Sand, silt, clay	Fill	Fill	Sand-Silt-Clay	Fill	Fill	Native Sand-Silt
Primary AOC:				AOC-3	AOC-1	AOC-1	AOC-1	AOC-1	AOC-1	AOC-1	AOC-1	AOC-1
	CT Remediation Standard Regulations			Insilco	Site Wide Fill	Site Wide Fill	Site Wide Fill	Site Wide Fill	Site Wide Fill	Site Wide Fill	Site Wide Fill	Site Wide Fill
VOCs - EPA Method 5035/8260	RDEC	I/C DEC	GB PMC									
Acetone	500	1,000	140	0.0724	BRL	BRL	0.326	BRL	BRL	BRL	BRL	BRL
Benzene	21	200	0.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	500	1,000	14	BRL	BRL	0.175	BRL	BRL	BRL	BRL	BRL	0.4
sec-Butylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon Tetrachloride	4.7	44	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	100	940	1.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	500	1,000	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	500	1,000	10.1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	500	1,000	132	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	500	1,000	41.8	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.464
n-Propylbenzene	500	1,000	14	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	12	110	1	BRL	BRL	BRL	0.0514	BRL	BRL	BRL	0.0038	BRL
1,1,1-Trichloroethane	500	1,000	40	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	56	520	1	BRL	BRL	BRL	0.0089	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	500	1,000	70	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	500	1,000	70	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	0.32	3	0.4	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All Other VOCs - BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
CT ETPH - CT Method												
ETPH	500	2,500	2,500	321	1,190	487	713	158	BRL	114	126	2,030
PCBs - EPA Method 8082												
PCB 1260	1	10	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All Other PCBs - BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SPLP PCBs 1312/8082	~	~	0.005									
SVOCs and Polynuclear Aromatics - EPA Method 8270												
Acenaphthene	1,000	2,500	84	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	1,000	2,500	84	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	1,000	2,500	400	BRL	BRL	BRL	1.39	BRL	BRL	BRL	BRL	BRL
Benzidine	NE	NE	NE	BRL	BRL	BRL	1.87	BRL	BRL	BRL	BRL	BRL
Benzo (a) anthracene	1	7.8	1	1.47	BRL	BRL	3.16	BRL	BRL	0.751	1	BRL
Benzo (a) pyrene	1	1	1	1.26	BRL	BRL	3.88	BRL	BRL	0.889	1.07	BRL
Benzo (b) fluoranthene	1	7.8	1	1.01	BRL	BRL	2.32	BRL	BRL	0.664	0.848	BRL
Benzo (g,h,i) perylene	1,000	2,500	42	BRL	BRL	BRL	1.96	BRL	BRL	0.378	BRL	BRL
Benzo (k) fluoranthene	8.4	78	1	1.22	BRL	BRL	3.85	BRL	BRL	0.794	1.14	BRL
Butyl Benzyl Phthalate	1,000	2,500	200	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbazole	31	290	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chrysene	84	780	1	1.42	BRL	BRL	3.26	BRL	BRL	0.782	1.06	BRL
Dibenzo[a,h]anthracene	1	1	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibenzofuran	270	2,500	5.6	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	1,000	2,500	56	3.12	BRL	BRL	6.03	1.96	BRL	1.28	1.74	BRL
Fluorene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	1	7.8	1	BRL	BRL	BRL	1.84	BRL	BRL	0.385	BRL	BRL
1-Methylnaphthalene	NE	NE	NE	BRL	3	1.15	BRL	BRL	BRL	BRL	BRL	0.829
2-Methylnaphthalene	474	2,500	9.8	BRL	1.52	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	1,000	2,500	56	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
3-Nitroaniline	200	2,500	4.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	1,000	2,500	40	2.34	0.866	BRL	3.85	1.62	BRL	0.796	0.755	BRL
Pyrene	1,000	2,500	40	3	BRL	BRL	5.74	1.69	BRL	1.37	1.99	BRL
All Other SVOCs and/or PAHs BRL				BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SPLP SVOCs and PAHs - EPA Methods 1312/8270C		GWPC ug/l	10 x GWPC ug/l									
Acenaphthene		420	4,200	BRL	*	*	*	*	*	*	BRL	*
Carbazole		10	100	*	*	*	*	*	*	*	*	*
Dibenzofuran		28	280	*	*	*	*	*	*	*	*	*
Fluorene		280	2,800	BRL	*	*	*	*	*	*	BRL	*
Phenanthrene		200	2,000	BRL	*	*	*	*	*	*	BRL	*
All Other SVOCs and PAHs				BRL	*	*	*	*	*	*	BRL	*
Total Metals - EPA Method 6010 (Mercury 7471)												
Total Antimony	27	8200	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Arsenic	10	10	~	BRL	BRL	BRL	3.86	1.98	BRL	4.42	BRL	BRL
Total Barium	4,700	140,000	~	61.6	92.6	108	143	150	173	101	90.8	45.6
Total Beryllium	2	2	~	0.395	0.507	0.586	0.333	0.395	1.05	0.41	0.493	0.641
Total Cadmium	34	1,000	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Chromium	3,900/100**	51,000/100**	~	10.2	12.4	17.6	20	7.47	16.8	12.7	14.1	20.3
Total Copper	2,500	76,000	~	41.5	11.8	5.37	94.3	37.4	4.28	214	53.4	21
Total Lead	400	1,000	~	39.8	7.78	4.09	677	624	6.36	205	83.6	2.02
Total Mercury	20	610	~	0.918	BRL	BRL	0.821	1.32	BRL	3.31	0.221	BRL
Total Nickel	1,400	7,500	~	9.73	7.73	8.8	9.43	8.25	7.87	11.5	11.7	14.2
Total Selenium	340	10,000	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Silver	340	10,000	~	2.21	BRL	BRL	2.65	BRL	BRL	4.92	1.41	BRL
Total Thallium	5.4	160	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Total Vanadium	470	14,000	~	29.2	31.5	38.1	26.2	18.1	30.1	25.3	30.3	45.5
Total Zinc	20,000	610,000	~	43.2	25.7	26.2	320	186	26.2	188	82.1	39.8
Arithmetic Predictor of Leachability												
Total Metals Divisor of 20 Compared to GB PMC												
Total Antimony	~	~	0.06	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Arsenic	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	0.193	0.099	#VALUE!	0.221	#VALUE!	#VALUE!
Total Barium	~	~	10	3.08	4.63	5.4	7.15	7.5	8.65	5.05	4.54	2.28
Total Beryllium	~	~	0.04	0.01975	0.02535	0.0293	0.01665	0.01975	0.0525	0.0205	0.02465	0.03205
Total Cadmium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Chromium	~	~	0.5	0.51	0.62	0.88	1	0.3735	0.84	0.635	0.705	1.015
Total Copper	~	~	13	2.075	0.59	0.2685	4.715	1.87	0.214	10.7	2.67	1.05
Total Lead	~	~	0.15	1.99	0.389	0.2045	33.85	31.2	0.318	10.25	4.18	0.101
Total Mercury	~	~	0.02	0.0459	#VALUE!	#VALUE!	0.04105	0.066	#VALUE!	0.1655	0.01105	#VALUE!
Total Nickel	~	~	1	0.4865	0.3865	0.44	0.4715	0.4125	0.3935	0.575	0.585	0.71
Total Selenium	~	~	0.5	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Silver	~	~	0.36	0.1105	#VALUE!	#VALUE!	0.1325	#VALUE!	#VALUE!	0.246	0.0705	#VALUE!
Total Thallium	~	~	0.05	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Vanadium	~	~	0.5	1.46	1.575	1.985	1.31	0.905	1.505	1.265	1.515	2.275
Total Zinc	~	~	50	2.16	1.285	1.31	16	9.3	1.31	9.4	4.105	1.99
SPLP Metals - EPA Method 6010/1312												
SPLP Antimony	~	~	0.06	*	*	*	*	*	*	*	*	*
SPLP Arsenic	~	~	0.5	*	*	*	*	*	*	*	*	*
SPLP Barium	~	~	10	*	*	*	*	*	*	*	*	*
SPLP Beryllium	~	~	0.04	*	*	*	*	*	BRL	*	*	*
SPLP Cadmium	~	~	0.05	*	*	*	*	*	*	*	*	*
SPLP Chromium	~	~	0.5	BRL	0.0061	BRL	BRL	BRL	0.0112	BRL	BRL	*
SPLP Copper	~	~	13	*	*	*	*	*	*	*	*	*
SPLP Lead	~	~	0.15	BRL	BRL	BRL	BRL	0.0352	BRL	BRL	BRL	*
SPLP Mercury	~	~	0.02	0.00048	*	*	BRL	BRL	*	BRL	*	*
SPLP Nickel	~	~	1	*	*	*	*	*	*	*	*	*
SPLP Selenium	~	~	0.5	*	*	*	*	*	*	*	*	*
SPLP Silver	~	~	0.36	*	*	*	*	*	*	*	*	*
SPLP Thallium	~	~	0.05	*	*	*	*	*	*	*	*	*
SPLP Vanadium	~	~	0.5	0.0106	0.0268	0.0184	0.0282	BRL	0.0085	BRL	0.0064	*
SPLP Zinc	~	~	50	*	*	*	*	*	*	*	*	*
Cyanide - EPA Method 9012												
Cyanide	1,400	41,000	~	9.09	*	*	*	*	*	*	*	*
Total Cyanide Divisor of 20	~	~	2	0.4545	*	*	*	*	*	*	*	*

Notes:
** trivalent chromium/hexavalent chromium
RDEC - Residential Direct Exposure Criteria
I/C DEC - Industrial/Commercial Direct Exposure Criteria
GB PMC - GB Pollutant Mobility Criteria
ND Not Detected
Shaded area indicates levels detected or calculated above RSR Criteria
* Not Analyzed
~ Not Applicable
BRL - Below Reporting Limit
NE - Not Established
#VALUE! - BRL

Table 6

Ground Water Analyses

Table 6
Ground W Analyses
Existing Monitoring Wells
August 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				JTP050808-01	JTP050808-02	JTP050808-03	JTP050808-04	JTP050809-05	JTP050809-06
Sample Location:				TB-1	EB-1	MW-108	MW-107	MW-109	MW-104
AOC:				TB	EB	Upgradient Contol Pt. at Mill and Pratt Streets	Upgradient of AOCs 5, 6, 7, and 11	AOC-5, Former Gas Station, Pratt St. and AOC-11, Former Canberra	AOC-4 Former Dry Cleaners
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**						
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL	BRL	BRL	**1.4**	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	**1.6**	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL	BRL	BRL	**2**	BRL
Trichloroethene	2,340	27**	67**	BRL	BRL	BRL	BRL	**11.6**	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	**6.3**	**4.9**	**6**	**3.9**	**5**
All other analytes ND				BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**						
ETPH	*	~	~	NA	BRL	BRL	BRL	BRL	BRL
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**						
Lead	13	~	~	NA	BRL	BRL	BRL	BRL	BRL
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**						
Total Cyanide	52	~	~	NA	BRL	BRL	BRL	BRL	BRL

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
Levels above Connecticut RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ Not Applicable
EB - Equipment Blank
TB - Trip Blank
BRL - Below Reporting Limit

Tab[illegible]
Ground Wa[illegible] Analyses
Existing Monitoring Wells
August 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				JTP050809-07	JTP050809-08	JTP050810-09	JTP050810-10	JTP050810-11	JTP050810-12	JTP050810-13
Sample Location:				MW-101	TB-2	MW-102	MW-4	TB-3	MW-3	MW-5
AOC:				AOC-1 Pratt and E. Main Streets	TB	AOC-2, Harbor Brook Fill Downgradient	AOC-3, INSILCO Downgradient	TB	AOC-3, INSILCO	AOC-9, Former Gas Station Pratt St.
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**							
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	BRL	BRL	**20.9**	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	BRL	BRL	**2.6**	BRL
tert-Butylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,340	27**	67**	**1**	BRL	BRL	BRL	BRL	**5.4**	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	BRL	BRL	**8.3**	BRL
Xylenes	*	8,700**	48,000**	**4.6**	BRL	**4.7**	BRL	BRL	BRL	BRL
All other analytes ND				BRL	BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**							
ETPH	*	~	~	BRL	NA	**100**	BRL	NA	BRL	BRL
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**							
Lead	13	~	~	BRL	NA	BRL	BRL	NA	BRL	BRL
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**							
Total Cyanide	52	~	~	BRL	NA	BRL	BRL	NA	**49.4**	BRL

Notes:

SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
Levels above Connecticut RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ Not Applicable
EB - Equipment Blank
TB - Trip Blank
BRL - Below Reporting Limit

Table 6
Ground Water Analyses
Existing Monitoring Wells
August 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				**JTP050812-14**	**JTP050812-15**
Sample Location:				**MW-106**	**TB-4**
AOC:				AOC-10, Former Plumbing and Pipe Shop	TB
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**		
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL
Trichloroethene	2,340	27**	67**	BRL	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL
All other analytes ND				BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**		
ETPH	*	~	~	BRL	NA
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**		
Lead	13	~	~	BRL	NA
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**		
Total Cyanide	52	~	~	BRL	NA

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
Levels above Connecticut RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ Not Applicable
EB - Equipment Blank
TB - Trip Blank
BRL - Below Reporting Limit

Table 6
Ground Water Analyses
Temporary Well Points
September 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050913-157	CEC050913-158	CEC050913-159	CEC050913-160	CEC050914-161
Sample Location:				EB-11	TB-14	CEE-47	CEE-56	EB-12
AOC:				EB	TB	AOC-10	AOC-1	EB
						Former Plumbing and Pipe Shop	Site Wide Fill	
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**					
n-Butylbenzene	*	1,500**	21000**	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	*	1,500**	20,000**	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
MTBE	*	21,000**	50,000**	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,340	27**	67**	BRL	BRL	BRL	BRL	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL
All other VOC compounds BRL				BRL	BRL	BRL	BRL	BRL
PCBs - EPA Method 8082								
All PCBs BRL				NA	NA	NA	NA	NA
S[illegible] and PAHs - EPA Method 8270C								
2-Methylnaphthalene	*	*	*	NA	NA	NA	BRL	NA
1-Methylnaphthalene	*	*	*	NA	NA	NA	BRL	NA
All SVOCs and PAH Compounds BRL				NA	NA	NA	BRL	NA
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**					
Silver	12	~	~	NA	NA	NA	BRL	NA
Arsenic	4	~	~	NA	NA	NA	BRL	NA
Barium	*	~	~	NA	NA	NA	**85.4**	NA
Beryllium	4	~	~	NA	NA	NA	BRL	NA
Cadmium	6	~	~	NA	NA	NA	BRL	NA
Chromium	1,200/110***	~	~	NA	NA	NA	BRL	NA
Copper	48	~	~	NA	NA	NA	BRL	NA
Mercury	0.4	~	~	NA	NA	NA	BRL	NA
Nickel	880	~	~	NA	NA	NA	BRL	NA
Lead	13	~	~	NA	NA	NA	BRL	NA
Antimony	86,000	~	~	NA	NA	NA	BRL	NA
Selenium	50	~	~	NA	NA	NA	BRL	NA
Thallium	63	~	~	NA	NA	NA	BRL	NA
Vanadium	*	~	~	NA	NA	NA	**2.5**	NA
Zinc	123	~	~	NA	NA	NA	**18.8**	NA
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**					
Total Cyanide	52	~	~	NA	NA	NA	NA	NA

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
G[illegible]ound Water
N[illegible]t Analyzed
Shaded area levels are above the CT RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
*** Trivalent Chromium/Hexavalent Chromium
TB - Trip Blank
EB - Equipment Blank
BRL - Below Reporting Limit
~ Not Applicable

Table 6
Ground Water Analyses
Temporary Well Points
September 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050914-162	CEC050914-163	CEC050914-164	CEC050914-165	CEC050915-168
Sample Location:				TB-15	CEE-54	CEE-2	CEE-6	CEE-23
AOC:				TB	AOC-5	AOC-11	AOC-11	AOC-3
					Former Gas Station Pratt St.	Former Canberra Industries	Former Canberra Industries	Former INSILCO
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**					
n-Butylbenzene	*	1,500**	21000**	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	*	1,500**	20,000**	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	BRL	**5.8**
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	BRL	**2.8**
Isopropylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
MTBE	*	21,000**	50,000**	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,340	27**	67**	BRL	**3**	**6.8**	**3.3**	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL
All other VOC compounds BRL				BRL	BRL	BRL	BRL	BRL
PCBs - EPA Method 8082								
All PCBs BRL				NA	NA	NA	NA	BRL
S\ and PAHs - EPA Method 8270C								
2-Methylnaphthalene	*	*	*	NA	NA	BRL	BRL	BRL
1-Methylnaphthalene	*	*	*	NA	NA	BRL	BRL	BRL
All SVOCs and PAH Compounds BRL				NA	NA	BRL	BRL	BRL
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**					
Silver	12	~	~	NA	NA	BRL	BRL	**9**
Arsenic	4	~	~	NA	NA	BRL	BRL	BRL
Barium	*	~	~	NA	NA	**69.4**	**122**	**112**
Beryllium	4	~	~	NA	NA	BRL	BRL	BRL
Cadmium	6	~	~	NA	NA	BRL	BRL	BRL
Chromium	1,200/110***	~	~	NA	NA	BRL	BRL	BRL
Copper	48	~	~	NA	NA	BRL	BRL	**22**
Mercury	0.4	~	~	NA	NA	BRL	BRL	**4.87**
Nickel	880	~	~	NA	NA	BRL	BRL	**28.9**
Lead	13	~	~	NA	NA	BRL	BRL	BRL
Antimony	86,000	~	~	NA	NA	BRL	BRL	**7.4**
Selenium	50	~	~	NA	NA	BRL	BRL	BRL
Thallium	63	~	~	NA	NA	BRL	BRL	BRL
Vanadium	*	~	~	NA	NA	BRL	**4**	BRL
Zinc	123	~	~	NA	NA	**9.2**	**10.1**	**513**
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**					
Total Cyanide	52	~	~	NA	NA	NA	NA	**44.3**

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GV und Water
N Analyzed
Shaded area levels are above the CT RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
*** Trivalent Chromium/Hexavalent Chromium
TB - Trip Blank
EB - Equipment Blank
BRL - Below Reporting Limit
~ Not Applicable

Table 6
Ground Water Analyses
Temporary Well Points
September 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050915-169	CEC050915-166	CEC050915-167	CEC050916-170	CEC050916-171
Sample Location:				CEE-15	EB-13	TB-16	TB-17	EB-14
AOC:				AOC-7	EB	TB	TB	EB
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**	Former Machine Shop				
n-Butylbenzene	*	1,500**	21000**	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	*	1,500**	20,000**	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
MTBE	*	21,000**	50,000**	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	*	*	*	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,340	27**	67**	**8.5**	BRL	BRL	BRL	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL
All other VOC compounds BRL				BRL	BRL	BRL	BRL	BRL
PCBs - EPA Method 8082								
All PCBs BRL				NA	NA	NA	NA	NA
S\ and PAHs - EPA Method 8270C								
2-Methylnaphthalene	*	*	*	BRL	NA	NA	NA	NA
1-Methylnaphthalene	*	*	*	BRL	NA	NA	NA	NA
All SVOCs and PAH Compounds BRL				BRL	NA	NA	NA	NA
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**					
Silver	12	~	~	BRL	NA	NA	NA	NA
Arsenic	4	~	~	BRL	NA	NA	NA	NA
Barium	*	~	~	**101**	NA	NA	NA	NA
Beryllium	4	~	~	BRL	NA	NA	NA	NA
Cadmium	6	~	~	BRL	NA	NA	NA	NA
Chromium	1,200/110***	~	~	BRL	NA	NA	NA	NA
Copper	48	~	~	**3.4**	NA	NA	NA	NA
Mercury	0.4	~	~	BRL	NA	NA	NA	NA
Nickel	880	~	~	BRL	NA	NA	NA	NA
Lead	13	~	~	BRL	NA	NA	NA	NA
Antimony	86,000	~	~	BRL	NA	NA	NA	NA
Selenium	50	~	~	BRL	NA	NA	NA	NA
Thallium	63	~	~	BRL	NA	NA	NA	NA
Vanadium	*	~	~	BRL	NA	NA	NA	NA
Zinc	123	~	~	**3**	NA	NA	NA	NA
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**					
Total Cyanide	52	~	~	NA	NA	NA	NA	NA

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW und Water
NA t Analyzed
Shaded area levels are above the CT RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
*** Trivalent Chromium/Hexavalent Chromium
TB - Trip Blank
EB - Equipment Blank
BRL - Below Reporting Limit
~ Not Applicable

Table 6
Ground Water Analyses
Temporary Well Points
September 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050916-172	CEC050916-173	CEC050916-176	CEC050916-178	CEC050916-177
Sample Location:				CEE-49	CEE-17	CEE-8a	CEE-31	CEE-41
AOC:				AOC-1	AOC-3	AOC-6	AOC-1	AOC-9
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**	Site Wide Fill	Former INSILCO	Former Auto Sales and Service	Site Wide Fill	Former Gas Station State Street
n-Butylbenzene	*	1,500**	21000**	**4**	BRL	BRL	**1**	**3**
sec-Butylbenzene	*	1,500**	20,000**	**4.2**	BRL	BRL	**1**	**2.4**
tert-Butylbenzene	*	*	*	**2.5**	BRL	BRL	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL	BRL	**1**	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL	BRL	**1.2**	BRL
Isopropylbenzene	*	*	*	**5.9**	BRL	BRL	BRL	**1.1**
MTBE	*	21,000**	50,000**	**5.5**	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	**2.6**	BRL
n-Propylbenzene	*	*	*	**8.5**	BRL	BRL	**1**	**1.3**
Tetrachloroethene	88	340**	810**	BRL	BRL	**2.4**	BRL	BRL
Trichloroethene	2,340	27**	67**	BRL	**4.5**	**13.5**	BRL	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL	BRL	**1.5**	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL
All other VOC compounds BRL				BRL	BRL	BRL	BRL	BRL
PCBs - EPA Method 8082								
All PCBs BRL				NA	BRL	BRL	NA	NA
S[illegible] and PAHs - EPA Method 8270C								
2-Methylnaphthalene	*	*	*	**14.3**	BRL	BRL	BRL	NA
1-Methylnaphthalene	*	*	*	**23.1**	BRL	BRL	**8.08**	NA
All SVOCs and PAH Compounds BRL				BRL	BRL	BRL	BRL	NA
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**					
Silver	12	~	~	BRL	BRL	BRL	BRL	NA
Arsenic	4	~	~	**18.9**	BRL	BRL	BRL	NA
Barium	*	~	~	**474**	**115**	**119**	**1.093**	NA
Beryllium	4	~	~	BRL	BRL	NA	BRL	NA
Cadmium	6	~	~	BRL	BRL	BRL	BRL	NA
Chromium	1,200/110***	~	~	**15.2**	BRL	BRL	BRL	NA
Copper	48	~	~	**41.2**	BRL	NA	**3.2**	NA
Mercury	0.4	~	~	BRL	**0.22**	BRL	BRL	NA
Nickel	880	~	~	**18.9**	BRL	NA	BRL	NA
Lead	13	~	~	**15**	BRL	BRL	BRL	NA
Antimony	86,000	~	~	BRL	BRL	NA	BRL	NA
Selenium	50	~	~	BRL	BRL	BRL	BRL	NA
Thallium	63	~	~	BRL	BRL	NA	BRL	NA
Vanadium	*	~	~	**46.9**	BRL	NA	**5.6**	NA
Zinc	123	~	~	**57.7**	**19.9**	NA	**7.2**	NA
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**					
Total Cyanide	52	~	~	NA	BRL	NA	NA	NA

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW[illegible]und Water
N[illegible]t Analyzed
Shaded area levels are above the CT RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
*** Trivalent Chromium/Hexavalent Chromium
TB - Trip Blank
EB - Equipment Blank
BRL - Below Reporting Limit
~ Not Applicable

Table 6
Ground Water Analyses
Temporary Well Points
September 2005
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050916-175	CEC050916-174
Sample Location:				TB-18	EB-15
AOC:				TB	EB
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**		
n-Butylbenzene	*	1,500**	21000**	BRL	BRL
sec-Butylbenzene	*	1,500**	20,000**	BRL	BRL
tert-Butylbenzene	*	*	*	BRL	BRL
Chloroform	14,100	26**	62**	BRL	BRL
cis-1,2-Dichloroethene	*	830**	11,000**	BRL	BRL
trans-1,2-Dichlorothene	*	1,000**	13,000**	BRL	BRL
Isopropylbenzene	*	*	*	BRL	BRL
MTBE	*	21,000**	50,000**	BRL	BRL
Naphthalene	*	*	*	BRL	BRL
n-Propylbenzene	*	*	*	BRL	BRL
Tetrachloroethene	88	340**	810**	BRL	BRL
Trichloroethene	2,340	27**	67**	BRL	BRL
Vinyl Chloride	15,750	1.6**	52**	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL
All other VOC compounds BRL				BRL	BRL
PCBs - EPA Method 8082					
All PCBs BRL				NA	NA
S[illegible] and PAHs - EPA Method 8270C					
2-Methylnaphthalene	*	*	*	NA	NA
1-Methylnaphthalene	*	*	*	NA	NA
All SVOCs and PAH Compounds BRL				NA	NA
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**		
Silver	12	~	~	NA	NA
Arsenic	4	~	~	NA	NA
Barium	*	~	~	NA	NA
Beryllium	4	~	~	NA	NA
Cadmium	6	~	~	NA	NA
Chromium	1,200/110***	~	~	NA	NA
Copper	48	~	~	NA	NA
Mercury	0.4	~	~	NA	NA
Nickel	880	~	~	NA	NA
Lead	13	~	~	NA	NA
Antimony	86,000	~	~	NA	NA
Selenium	50	~	~	NA	NA
Thallium	63	~	~	NA	NA
Vanadium	*	~	~	NA	NA
Zinc	123	~	~	NA	NA
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**		
Total Cyanide	52	~	~	NA	NA

Notes:
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW[illegible]und Water
N[illegible]t Analyzed
Shaded area levels are above the CT RSR Criteria
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
*** Trivalent Chromium/Hexavalent Chromium
TB - Trip Blank
EB - Equipment Blank
BRL - Below Reporting Limit
~ Not Applicable

Table 7

QA/QC Analyses

Table 7
Quality Assurance/Quality Control Sample Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				JTP050808-01	JTP050808-02	JTP050809-08	JTP050810-11	JTP050812-15	JTP050829-19	JTP050829-35	JTP050830-47
Sample Location:				TB-1	EB-1	TB-2	TB-3	TB-4	EB-2	TB-5	EB-3
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**								
1,1,1-Trichloroethane	62,000	20,400	50,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	6.3	BRL	BRL	BRL	BRL	BRL	BRL
All other analytes ND	~	~	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**								
ETPH	*	~	~	~	BRL	~	~	~	~	~	~
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**								
All Metals	~	~	~	~	BRL	~	~	~	~	~	~
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**								
Total Cyanide	52	~	~	~	BRL	~	~	~	~	~	~

Notes:
Duplicate samples were also collected; their data can be found adjoining the data of the original sample.
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ = Not Applicable
BRL - Below Reporting Limit

Table 7
Quality Assurance/Quality Control Sample Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				JTP050830-48	JTP050831-64	JTP050831-65	JTP050901-83	JTP050901-84	JTP050902-99	JTP050902-100	JTP050906-119	JTP050906-120
Sample Location:				TB-6	EB-4	TB-7	EB-5	TB-8	EB-6	TB-9	TB-10	EB-7
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**									
1,1,1-Trichloroethane	62,000	20,400	50,000	BRL	BRL	BRL	**3.8**	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All other analytes ND	~	~	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**									
ETPH	*	~	~	~	~	~	~	~	~	~	~	~
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**									
All Metals	~	~	~	~	~	~	~	~	~	~	~	~
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**									
Total Cyanide	52	~	~	~	~	~	~	~	~	~	~	~

Notes:
Duplicate samples were also collected; their data can be found adjoining the data of the original sar
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ = Not Applicable
BRL - Below Reporting Limit

Table 7
Quality Assurance/Quality Control Sample Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				JTP050907-131	JTP050907-132	JTP050908-144	JTP050908-145	JTP050912-155	JTP050912-156	CEC050913-157	CEC050913-158
Sample Location:				EB-8	TB-11	EB-9	TB-12	TB-13	EB-10	EB-11	TB-14
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**								
1,1,1-Trichloroethane	62,000	20,400	50,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	1.9	2.4	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All other analytes ND	~	~	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**								
ETPH	*	~	~	~	~	~	~	~	~	~	~
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**								
All Metals	~	~	~	~	~	~	~	~	~	~	~
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**								
Total Cyanide	52	~	~	~	~	~	~	~	~	~	~

Notes:
Duplicate samples were also collected; their data can be found adjoining the data of the original sar
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ = Not Applicable
BRL - Below Reporting Limit

Table 7
Quality Assurance/Quality Control Sample Results
CT DEP Meriden-HUB
State and East Main Streets, Meriden, Connecticut
CEE Project #2005.045
Measurement Units ug/l

Sample ID:				CEC050914-161	CEC050914-162	CEC050915-166	CEC050915-167	CEC050916-170	CEC050916-171	CEC050916-175	CEC050916-174
Sample Location:				EB-12	TB-15	EB-13	TB-16	TB-17	EB-14	TB-18	EB-15
Volatile Organics - EPA Method 8260B	**SWPC**	**RES VOL**	**I/C VOL**								
1,1,1-Trichloroethane	62,000	20,400	50,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	*	*	*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	*	8,700**	48,000**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
All other analytes ND	~	~	~	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
ETPH - CT ETPH and EPA Method 3535	**SWPC**	**RGWVC**	**I/C GWVC**								
ETPH	*	~	~	~	~	~	~	~	~	~	~
Total Metals - EPA Method 200.7/245.2	**SWPC**	**RGWVC**	**I/C GWVC**								
All Metals	~	~	~	~	~	~	~	~	~	~	~
Total Cyanide - EPA Method 9012A	**SWPC**	**RGWVC**	**I/C GWVC**								
Total Cyanide	52	~	~	~	~	~	~	~	~	~	~

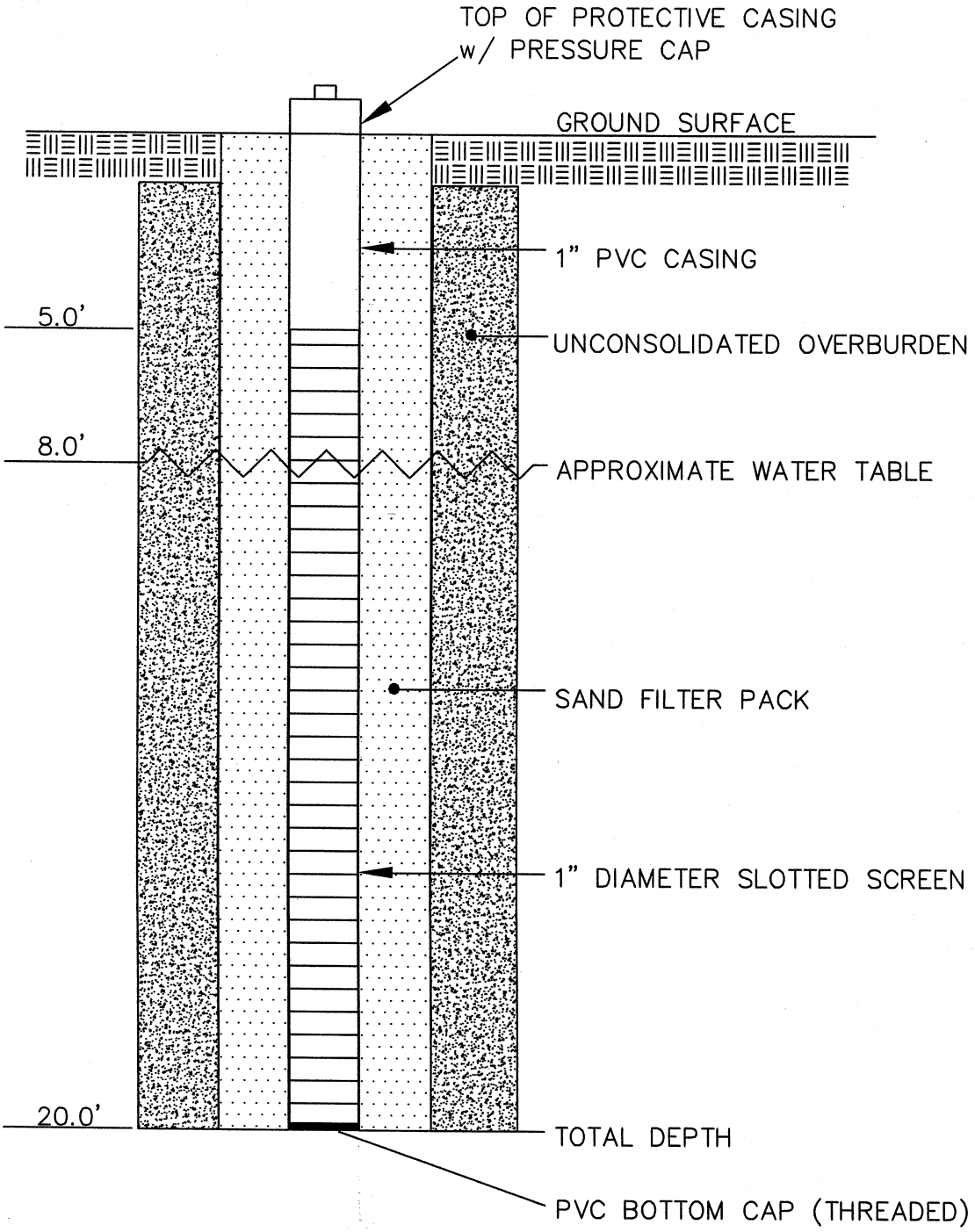
Notes:
Duplicate samples were also collected; their data can be found adjoining the data of the original sar
SWPC - Surface Water Protection Criteria
RGWVC - Residential Volatilization Criteria for Ground Water
I/C GWVC - Industrial/Commercial Volatilization Criteria for Ground Water
GW Ground Water
NA - Not Analyzed
* - Not Established by CT DEP
** Proposed RGWVC and I/C GWVC
~ = Not Applicable
BRL - Below Reporting Limit

Appendix 1

Boring Logs and Temporary Monitoring Well Completion Information

WELL: MW CEE-2	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



Notes: Drawing is not to scale.

M:\2005\2005-045 Meriden HUB\CEE-01 MW_Detail.DWG

INSTALLED BY: JTP 8/30/05	DRAWN BY: JTP DATE: 9/15/05	CEE Consulting Environmental Engineers, Inc.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-1
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	44/48		1, 2, 3, 4		4" of concrete 12" red fine SAND, loose, dry, no staining, no odor, (FILL) 12" brown fine SAND, SILT and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor, slag and glass present, (FILL) (**sample -16**) 4" brick 16" black fine SAND and COAL, loose, dry, no odor (FILL) (**sample -16**)	**JTP050829-16** 0915 (18" - 4') OVM = ND PF = 962
4-8'	48/48		5, 6, 7	▽	9" Fall-in 3" Same as above (FILL) 12" Brown fine SAND and SILT; little gravel - small and angular to rounded, moist, no staining, no odor, (NATIVE) 24" Light brown to gray fine SAND and SILT; some clay, wet, no staining, no odor, (NATIVE) (sample -17)	JTP050829-17 0935 (6-8') OVM = ND PF = 38
8-12'	39/48		8, 9, 10, 11, 12		6" Same as above 33" Reddish brown coarse SAND and GRAVEL - small and rounded, loose, wet, no odor, no staining, (NATIVE) (sample -18)	JTP050829-18 1015 (10-12') OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-2
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-19"	14/14				5" of concrete	
			1		6" Reddish brown, fine SAND and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor (FILL) (sample -20)	JTP050829-20 1045 (5"-19") OVM = ND PF = 114
			2			
			3		8" Black-brown fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no odor, (FILL) (sample -20)	
			4		Concrete refusal @ 19", drilled down to 2'	
2-4'	24/24				Black brown, fine SAND; little gravel - small and rounded; trace silt, slag, brick and cinder ash present, loose, dry, no odor (FILL) (sample -23)	JTP050829-23 1145 (2-4') OVM = ND PF = 967
			5			
4-8'	40/48		6		22" Same as above (FILL)	
			7		18" Light brown to gray, fine SAND; some clay; little gravel - small and rounded, moderately packed, moist, no staining, no odor (NATIVE) (sample -24)	JTP050829-24 1200 (4-8') OVM = ND PF = NA
			8	∇		
8-12'	48/48				16" Fall in	
			9		32" Reddish brown coarse SAND and GRAVEL - large to small, very loose, very wet, no staining, no odor, (NATIVE)	No Sample Taken OVM = ND
			10			
			11			
			12			
			13		EOB @ 12' Installed 1" temporary monitoring well at 20'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-5
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
					5" of concrete Refusal at 14", chipped down to 4'	
4-8'	10/48				2" Black, fine SAND and SILT, loose, dry, no odor, (FILL) (sample -21) 8" Light brown, fine SAND and SILT; trace gravel - large and rounded, moderately packed, moist, no staining, no odor (NATIVE) (sample -21)	JTP050829-21 1115 (4-8') OVM = ND PF = 315
8-12'	16/48			∇	8" Same as above, wet (NATIVE) (sample -22) 8" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, very loose, saturated, no odor, no staining (NATIVE) (sample -22)	JTP050829-22 1130 (8-12') OVM = ND PF = 78
					EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-18
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 4' 2" / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	44/48		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		4" of concrete 6" Reddish brown, fine SAND, SILT, and GRAVEL - large to small and rounded, loose, dry, no odor, no staining (FILL) 30" Brown-black, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, no odor, coal and cinder ash present, loose, dry (FILL) (sample -25) 8" Red SANDSTONE, wood and plastic present EOB @ 4' 2" Refusal @ 4' 2"	JTP050829-25 1225 (1-3') OVM = ND PF = 391

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-4
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	44/48		1, 2, 3, 4		4" of concrete 22" Reddish brown, fine SAND and GRAVEL - large to small and angular to rounded, loose, dry, no odor, no staining (FILL) 22" Brown-black, fine SAND and GRAVEL - large to small and angular to rounded, loose, dry, cinder ash and brick present, no odor (FILL) (**sample -26**)	**JTP050829-26** 1245 (2-4') OVM = ND PF = 1,457
4-8'	35/48		5, 6, 7, 8	∇	18" Black, fine SAND and GRAVEL - large to small and angular to rounded, cinder ash, coal and slag present, loose, dry, no odor (FILL) (sample -27) 17" Light brown fine SAND and SILT, moderately packed, moist, no staining, no odor (NATIVE) (sample -28)	JTP050829-27 1300 (4-6') OVM = ND PF = 237 JTP050829-28 1305 (6-8') OVM = ND PF = 30
8-12'	36/48		9, 10, 11, 12		14" Fall-in 22" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, loose, wet, no staining, no odor (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-3
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	26/44		1		4" of concrete 20" Brown, fine SAND and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor (FILL) (sample -29) 6" SANDSTONE BRICK	JTP050829-29 1315 (0-4') OVM = ND PF = 315
			2			
			3			
			4			
4-8'	32/48		5		7" SANDSTONE BRICK 8" Light brown, fine SAND and SILT; some clay and gravel - large to small and rounded, moderately packed, moist, no staining, no odor (NATIVE) (sample -30) 8" Yellow-brown, fine SAND; moderately packed, moist, homogenous, no staining, no odor (NATIVE) (sample -30) 9" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, loose, wet, no staining, no odor (NATIVE) (sample -30)	JTP050829-30 1330 (6-8') OVM = ND PF = 16
			6			
			7	∇		
			8			
			9			
8-12'	26/48		10		Same as above	No Sample Taken OVM = ND
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-52
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA		**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA		**Total Depth:** 12' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	29/48		1, 2, 3, 4		5" of concrete 25" Reddish brown, fine SAND; little gravel - large to small and angular to rounded, loose, dry, no staining, no odor (FILL) (sample -31) 4" Dark brown, medium to coarse grained SAND, cinder ash, slag, and coal present, moist, no odor (FILL)	JTP050829-31 1400 (1-3') OVM = ND PF = 26
4-8'	36/48		5, 6, 7, 8	▽	18" Same as above (FILL) (**sample -32**) 18" Light brown, fine SAND; some silt and gravel - large to small and angular to rounded; little clay, moist, moderately packed, no staining, no odor (NATIVE)	**JTP050829-32** 1410 (5-7') OVM = ND PF = 1,640
8-12'	36/48		9, 10, 11, 12		Reddish brown, coarse SAND and GRAVEL - large to small and rounded, loose, wet, no staining, no odor (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-16
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/29/2005 / **Date Completed:** 8/29/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	32/48		1		4" of concrete 7" Reddish brown, fine SAND, loose, dry, no staining, no odor (FILL) 25" Reddish brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor, glass present, (FILL) (sample -33)	JTP050829-33 1500 (2-4') OVM = ND PF = 886
			2			
			3			
			4			
4-8'	35/48		5		23" Same as above (FILL) 12" Same as above, wet (sample -34)	JTP050829-34 1515 (7-8') OVM = ND PF = 18
			6			
			7	▽		
			8			
8-12'	28/48		9		Same as above	No Sample Taken OVM = ND
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-6
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA		**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA		**Total Depth:** 20' / **Water Level** Encountered 4' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	29/48		1		4" of concrete 9" Reddish brown, medium to fine grained SAND, loose, dry, no staining, no odor (FILL) (**sample -36**) 20" LOAMY SAND, brick, ash, slag, and pieces of cast iron present, loose, dry to moist (FILL) (**sample - 36**)	**JTP050830-36** 0915 (2-4') OVM = ND PF = 942
			2			
			3			
			4	▽		
4-8'	36/48		5		12" Brown, medium to fine grained SAND; trace gravel and pebbles (NATIVE) (sample -37) 12" Brown SILTY SAND, loose, wet, no staining, no odor (NATIVE) (sample -37) 12" Brown, medium to coarse grained SAND and GRAVEL, moderately packed, wet, no staining, no odor (NATIVE)	JTP050830-37 0925 (Top 2') OVM = ND PF = NA
			6			
			7			
			8		EOB @ 8' Installed 1" temporary monitoring well @ 20'	
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-26
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 7' / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	32/48		1		3" of concrete 6" Brown to red, fine to medium grained SAND, dry, moderately packed, no staining, no odor (FILL)	**JTP050830-38** 1050 (2-4') OVM = ND PF = 431
			2		14" Brown to red, medium to coarse grained SAND, dry, brick and slag present, moderately packed, no staining, no odor (FILL) (**sample -38**)	
			3			
			4		12" Brown to red, fine to medium grained SAND; some silt, moist, brick and ash present, moderately packed (FILL) (**sample -38**)	
			5			
4-7'	11/36		6		Dark brown, fine to medium grained SAND; some silt, moist, fire brick present	No Sample Taken OVM = ND
			7			
			8		EOB @ 7' Refusal @ 7' (Gravel in cutting shoe)	
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-7
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	29/48		1, 2, 3, 4		4" of concrete 21" Yellow to gray SAND and CINDER ASH, coal present, loose, dry, no odor (FILL) (sample -39) 8" Dark brown, fine to medium grained SAND, cinder ash present, loose, dry, no staining, no odor (FILL) (sample -39)	JTP050830-39 1140 (0-4') OVM = ND PF = 48
4-8'	29/48		5, 6, 7	▽	9" Brown, fine to medium grained SAND, loose, dry, no staining, no odor (FILL) 20" Brown, medium to coarse grained SAND, GRAVEL, and PEBBLES; trace sandstone cobble, moist to wet, mod. packed, no staining, no odor (NATIVE) (**sample -40**)	**JTP050830-40** 1200 (6-8') OVM = ND PF = 34
8-12'	38/48		8, 9, 10, 11, 12		10" Same as above 13" GRAVEL and PEBBLES, wet 15" Reddish brown, fine to medium grained SAND; some silt, firmly packed, no staining, no odor, wet (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-8
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 1.5' / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-1.5'	18/18		1		6" of concrete 18" Red, very fine, homogenous SAND, very loose, very dry, no staining, no odor (FILL) (sample -41)	JTP050830-41 1345 (0.5-2') OVM = ND PF = NA
			2		EOB @ 1.5'	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-53
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 40" / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-21"	21/21		1		3" of concrete 15" Reddish brown, medium to fine grained SAND, ash, coal and slag present, slight hydrocarbon odor (FILL) **(sample -42)**	**JTP050830-42** 1415 (0-1.5') OVM = 10.6 PF = 937
			2			
			3		6" Dark gray SILT, moist, hydrocarbon odor , (sample -43) Refusal @ 21" Chipped through obstruction	JTP050830-43 1425 (1.5-2.5') OVM = 17.6 PF = 938
21"-40"	19/20		4		Same as above (FILL) (sample -46)	JTP050830-46 1505 (2.5-3.5') OVM = 8.3 PF = NA
			5		EOB @ 40" Refusal @ 40"	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-11
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/30/2005 / **Date Completed:** 8/30/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 8' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	40/48		1		3" of concrete 20" Reddish brown, fine SAND; some gravel - large to small and angular to rounded; little silt, loose, dry, no staining, no odor (FILL)	**JTP050830-44** 1420 (Bot 2') OVM = ND PF = NA
			2			
			3		20" Same as above w/ fill materials present: cinder ash, slag, coal, loose, dry to moist, no odor (FILL) (**sample -44**)	
			4			
4-8'	26/48		5		22" Same as above, moist to wet, possible staining at the water table (FILL) (sample -45) 4" Light brown, fine, homogenous SAND, loose, wet, no staining, no odor	JTP050830-45 1430 (@ 7') OVM = ND PF = 694
			6			
			7	▽		
			8		EOB @ 8'	
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-8A
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	36/48		1, 2, 3, 4		6" of concrete 33" Red, fine, homogenous SAND, very loose, very dry, no staining, no odor (FILL) 3" of concrete	No Sample Taken OVM = ND
4-8'	39/48		5, 6, 7	▽	6" Fall-in 8" Red, fine, SAND; trace sandstone cobble, dense, no staining, no odor, dry 25" Black, fine, SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, strong gasoline odor, heavy staining (**sample -49**)	**JTP050831-49** 0925 (6-8') OVM = 100 PF = 80
8-12'	36/48		8, 9, 10, 11, 12		8" Fall-in 28" Reddish brown, coarse SAND and GRAVEL, mod. packed, wet, staining and odor wane going towards 12' (NATIVE) (sample -50)	JTP050831-50 0940 (8-12') OVM = ND PF = 27
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Installed 1" temporary well at 20'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-10
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 6' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	34/48		1		4.5" of concrete 6" Red, fine, homogenous SAND, loose, dry, no staining, no odor	JTP050831-51 1040 (Bot. 2') OVM = ND PF = NA
			2		11" of concrete 17" Brown, fine, SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, coal present, dry, no staining, no odor (FILL) (sample -51)	
			3			
			4			
4-8'	33/48		5		19" Same as above, brick, cinder ash, and coal present (FILL) 14" Gray-black SILT and CLAY, dense, wet, staining, moderate hydrocarbon odor (NATIVE) (**sample -52**)	19" Layer OVM = ND PF = NA
			6	∇		**JTP050831-52 1046** (6-8') OVM = 55 PF = 97
			7			
			8			
8-12'	38/48		9		16" Same as above 22" Dark brown, fine to medium grained SAND; some silt and gravel (2" layer of gravel, 6" from the top) (NATIVE) (sample -53)	JTP050831-53 1100 (10-12') OVM = ND PF = 21
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-9
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 6' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	40/48		1		4" of concrete 10" Red, fine SAND, very loose, very dry, no staining, no odor (FILL)	JTP050831-54 1105 (Bot. 2') OVM = ND PF = NA
			2		15" Black, fine SAND; some gravel - flat and angular, moderately packed, coal present, no odor (FILL) (sample - 54)	
			3		15" Reddish brown, fine SAND and SILT; some gravel - large to small and angular to rounded, moderately packed, no staining, no odor (sample -54)	
			4			
4-8'	48/48		5		22" Same as above 26" Grayish brown SILT and CLAY, dense, wet, no odor, no staining, transitions to fine SAND, SILT, and CLAY towards the bottom 1' (NATIVE) (sample -55)	JTP050831-55 1115 (6-8') OVM = ND PF = NA
			6	∇		
			7			
			8			
8-12'	26/48		9		16" Grayish brown, fine SAND, SILT, and CLAY, moderately packed, wet, no odor (NATIVE) (sample -56) 10" Reddish brown, coarse SAND and GRAVEL - large and angular to rounded, no staining, no odor (NATIVE) (sample -56)	JTP050831-56 1125 (8-12') OVM = ND PF = 42
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-13
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 6' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	32/48		1, 2, 3, 4		5" of concrete 32" Light brown to black, fine to coarse SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no odor, coal, brick, and slag present, (FILL) (**sample -57**)	**JTP050831-57** 1200 (2-4') OVM = ND PF = 409
4-8'	26/48		5, 6, 7, 8	▽	12" Same as above 10" Brown SILT and CLAY, moderately packed, wet, no staining, no odor (NATIVE) (sample -58) 4" Brown, medium grained, homogenous SAND, loose, wet, no staining, no odor (NATIVE) (sample -58)	JTP050831-58 1210 (Bot. 2') OVM = ND PF = 40
8-12'	22/48		9, 10, 11, 12		4" Fall-in 14" Same as above 4" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, no staining, no odor, moderately packed, saturated	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-14
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 16' / **Water Level** Encountered 8-11' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	37/48		1, 2, 3, 4		4" of concrete 32" Reddish brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, wood, brick, glass, slag, and sandstone present, dry, no staining, no odor (FILL) (**sample -59**) 5" SANDSTONE	**JTP050831-59** 1320 (Top 2') OVM = ND PF = 1,371
4-8'	21/48		5, 6, 7, 8	∇	14" Same as above the sandstone (FILL) 7" SANDSTONE	No Sample Taken OVM = ND
8-12'	12/48		9, 10, 11	∇	Reddish brown, fine SAND and sandstone GRAVEL - large to small and angular, dense, wet, no staining, no odor (sample - 60)	JTP050831-60 1340 (8-12') OVM = ND PF = NA
12-16'	32/48		12, 13, 14, 15, 16		17" Brown to gray SILT and CLAY, very pliable, very wet, no odor (NATIVE) (sample -61) 7" Brown to gray, fine SAND, SILT, and CLAY, very pliable, very wet, no odor (NATIVE) (sample -61) 8" Brown to red, coarse SAND and GRAVEL - large to small and angular to rounded, very dense, wet, no staining no odor (NATIVE)	JTP050831-61 1400 (Top 2') OVM = ND PF = 87
			17, 18, 19, 20, 21, 22		EOB @ 16'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-12
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 8/31/2005 / **Date Completed:** 8/31/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 6.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	33/48		1		5" of concrete 2" Red, fine to medium grained SAND, dry, loose, no staining, no odor (FILL)	JTP050831-62 1445 (2-4') OVM = ND PF = 48
			2		11" Medium to coarse grained SAND, cinder ash, slag, coal, and brick present, no staining, no odor (FILL)	
			3		20" Fine to medium grained SILT, dry, slag, coal, ash, and brick present, no staining, no odor (FILL) (sample -62)	
			4			
4-8'	26/48		5		7" Same as above 13" Light brown SANDY SILT; trace gravel, wet, no staining, no odor (NATIVE) (sample -63)	**JTP050831-63** 1500 (4-6') OVM = ND PF = 30
			6		6" Light brown, medium to coarse grained SAND; some gravel, wet, no staining, no odor (NATIVE) (**sample -63**)	
			7	∇		
			8			
8-12'	37/48		9		7" Same as above 24" Brown, coarse SAND, saturated, no staining, no odor (NATIVE) 6" Brown SILT, wet, no staining, no odor	No Sample Taken OVM = ND
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-15
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	22/48		1		4" of concrete 9" SAND and SILT, brick, concrete, shell, and coal present, loose, dry, no staining, no odor, (FILL) (**sample -66**)	**JTP050901-66** 0900 (2-4') OVM - ND PF = 338
			2		10" Reddish brown, fine to medium grained SAND; trace gravel - small, dry, no staining, no odor (FILL) (**sample -66**)	
			3		3" Brown SANDY SILT; trace gravel - small, coal present, dry, loose, no staining, no odor (FILL) (**sample -66**)	
			4			
4-8'	16/48		5		6" Same as above (FILL) 3" Red SANDSTONE COBBLE 7" Reddish brown SAND and SILT, trace gravel, coal and ash present, damp, (FILL)	No Sample Taken OVM = ND
			6			
			7			
			8	∇		
8-12'	36/48		9		6" Fall-in 30" Brown, medium to coarse grained SAND, GRAVEL, and PEBBLES; some silt, wet, no staining, no odor, (NATIVE) (sample -67)	JTP050901-67 0920 (10-12') OVM = ND PF = 24
			10			
			11			
			12			
			13		EOB @ 12' Installed 1" temporary well at 20'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-17
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 6' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	14/48		1, 2, 3, 4		3.5" of concrete 8" Reddish brown, fine to medium grained SAND, dry, no staining, no odor (FILL) (sample -68) 6" Brown, fine to medium grained SAND; some silt, brick, ash, coal, glass, and slag present, no staining, no odor, loose (FILL) (sample -68)	JTP050901-68 1020 (0-4') OVM = ND PF = NA
4-8'	36/48		5, 6, 7, 8	∇	12" Same as above (FILL) 24" Brown, fine SAND and SILT; some clay, staining, hydrocarbon odor, moderately packed, wet, (NATIVE) (**sample -69**)	**JTP050901-69 1030** (6-8') OVM = 61.7 PF = 4,320
8-12'	40/48		9, 10, 11, 12		6" Fall-in 22" Brown-black, coarse SAND and GRAVEL - rounded, hydrocarbon staining and odor, wet, (NATIVE), (sample -70) 12" Brown, coarse SAND and GRAVEL - rounded, some staining and odor (less than above), wet, (NATIVE), (sample -71)	JTP050901-70 1040 (8-10') OVM = 66 PF = 4,380 JTP050901-71 1045 (10-12') OVM = 14.6 PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Installed 1" temporary well at 20'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-19
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	?		1, 2, 3, 4		4.5" of concrete Boring advanced without plastic sleeve, sample taken directly from the Macro-core, unknown recovery and stratification Brown, fine sand and silt, loose, dry, no staining, no odor brick, coal, and glass present (FILL) (**sample -72**)	**JTP050901-72** 1150 (0-4') OVM = ND PF = 752
4-8'	28/48		5, 6, 7	∇	14" Same as above 14" Reddish brown, fine SAND and SILT, moderately packed, moist to wet, no staining, no odor, (NATIVE), (sample -73)	JTP050901-73 1155 (6-8') OVM = ND PF = NA
8-12'	34/48		8, 9, 10, 11, 12		34" Light brown, coarse SAND and GRAVEL - rounded; some silt, saturated, moderately packed, no staining, no odor	JTP050901-74 1200 (8-12') OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-24
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	2/48		1, 2, 3, 4		4" of concrete Red, fine to medium grained, homogenous SAND, no staining, no odor, loose, dry, (FILL)	No Sample Taken OVM = ND
4-8'	2/48		5, 6, 7, 8		2" Same as above (possible fall-in) (sample -79)	JTP050901-79 1315 (4-8') OVM = ND PF = 164 (VOCs only)
8-12'	33/48		9, 10, 11, 12		13" Reddish brown SAND and SILT, ash, coal, and fire brick present, (FILL) 20" Light brown, coarse SAND; some silt, gravel - rounded, and pebbles, wood present, (NATIVE) (sample -80)	JTP050901-80 1345 (10-12') OVM = ND PF =17
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Refusal @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-20
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	38/48		1, 2, 3, 4		4" of concrete 7" Red, fine to medium grained SAND, brick, dry, loose, no staining, no odor (FILL) 1" of concrete 30" SAND and SILT, brick, coal, and ash present, loose, dry, no staining, no odor (FILL)	JTP050901-75 1220 (0-2') OVM = ND PF = 171
4-8'	43/48		5, 6, 7, 8	▽	28" Same as above, band of white chalky substance @ 21", slag and cinder ash present (FILL) (**sample -76 & -77**) 10" Dark brown to black SANDY SILT, moist, moderately packed, no odor (NATIVE) (**sample -76 & -77**) 5" Brown CLAY; some silt, wet, no staining, no odor, (NATIVE) (**sample -76 & -77**)	**JTP050901-76** 1225 (5-8') OVM = ND PF = 110 **JTP050901-77** 1230 (5-8' duplicate) OVM = ND PF = NA
8-12'	33/48		9, 10, 11, 12		6" Fall-in 12" Light brown to gray SILT and CLAY; some sand, wet, moderately packed, no staining, no odor (NATIVE) (sample -78) 15" Light brown SILTY SAND; some gravel - small and rounded, moderately packed, wet, no staining, no odor, (NATIVE) (sample -78)	JTP050901-78 1240 (10-12') OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-21
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/1/2005 / **Date Completed:** 9/1/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	30/48		1, 2, 3, 4		4" of concrete 12" Red, fine SAND; little gravel - large and angular, dry, no staining, no odor, loose, (FILL) (sample -81) 6" of concrete 12" FILL MATERIALS: ash, brick, sand, glass, slag, and cinder ash, loose, dry, no odor, (FILL) (sample -81)	JTP050901-81 1350 (0-4') OVM = ND PF = 672
4-8'	30/48		5, 6, 7, 8	▽	5" Red, fine SAND; little gravel - large and angular, dry, loose, no staining, no odor (FILL) (sample -82) 8" Red SANDSTONE and fine SAND, loose, dry, no staining, no odor 17" Brown, coarse SAND and GRAVEL - rounded, moist to wet, moderately packed, no staining, no odor, (NATIVE), (sample -82)	JTP050901-82 1400 (4-8') OVM = ND PF = NA
8-12'	16/48		9, 10, 11, 12		14" Fall-in 2" Same as above (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Refusal @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-23
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection			**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE			
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA	
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA		**Date Started:** 9/2/2005	**Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA	**Drop:** NA	**Total Depth:** 12'	**Water Level** Encountered 7.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	28/48		1, 2, 3, 4		4" of concrete 4" Reddish brown, fine SAND, loose, dry, no staining, no odor (FILL) (**sample -85**) 24" Dark brown, fine SAND and SILT; trace gravel and cobble (sandstone and quartz), coal and brick present, loose, dry, no staining, no odor (FILL) (**sample -85**)	**JTP050902-85** 0830 (2-4') OVM = ND PF = 235
4-8'	33/48		5, 6, 7, 8	▽	8" Same as above 14" BRICK, ASH, and COAL, (FILL) (sample -86) 11" SAND and SILT, coal, ash, firebrick, and wood present, moderately packed, no odor, dry to moist to wet (NATIVE) (sample -86)	JTP050902-86 0855 (6-8') OVM = ND PF = 118
8-12'	30/48		9, 10, 11, 12		5" Fall-in 3" Yellowish gray SILT; some gravel, saturated, moderately packed, no staining, no odor, (NATIVE) (sample - 87) 22" Coarse SAND and GRAVEL - angular to rounded, saturated, moderately packed, no staining, no odor, (NATIVE) (sample - 87)	JTP050902-87 0910 (8-10') OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-51
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/2/2005 / **Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	26/48		1, 2, 3, 4		4" of concrete 26" Reddish brown, fine SAND and SILT; trace gravel - rounded, loose, dry, no staining, no odor, wood, concrete, brick, and slag present (FILL) (sample -88)	JTP050902-88 0930 (2-4') OVM = ND PF = NA
4-8'	42/48		5, 6, 7, 8	∇	17" Same as above (FILL) 25" Same as above, higher percentage of coal, ash, slag, and cinder ash, dry to moist (FILL) (**sample -89**)	**JTP050902-89** 1000 (6-8') OVM = ND PF = 2,910
8-12'	42/48		9, 10, 11, 12		8" Same as above 13" Tan to black SILT; some clay; trace fine sand, moderately packed, no odor (NATIVE) (sample -90) 8" Black, fine SAND, high organic content, wood present, organic odor, moderately packed, wet, (NATIVE) (sample -90) 13" Dark brown, coarse SAND and SILT; some gravel and pebbles, mod. packed, wet, (NATIVE) (sample -90)	JTP050902-90 1020 (10-12') OVM = ND PF = 35
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-27
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA		**Date Started:** 9/2/2005 / **Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA		**Total Depth:** 12' / **Water Level** Encountered 4.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	34/48		1, 2, 3, 4		1.5" of asphalt 26" Brown SAND and SILT, coal, ash, fire brick, and brick present, loose, moist, no odor (FILL) (sample -91) 8" Reddish brown, fine SAND; some fill materials present, (FILL)	JTP050902-91 1100 (0-2') OVM = ND PF = 138
4-8'	44/48		5, 6, 7, 8	▽	4" Fall-in 7" Same as above (SAND) (FILL) (sample -92) 20" Tan to black SILT; some sand and pebbles, moderately packed, wet, no odor (NATIVE) (sample -92) 13" Medium to coarse grained SAND, SILT, and GRAVEL - rounded, wet, tightly packed, no staining, no odor, (NATIVE)	JTP050902-92 1105 (4-6') OVM = ND PF = 46
8-12'	48/48		9, 10, 11, 12		48" Light brown, coarse SAND and gravel - large to small and angular to rounded; some silt, moderately packed, saturated, no staining, no odor (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-30
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/2/2005 / **Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 7.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	34/48		1, 2, 3, 4		1.5" of asphalt 34" SAND and SILT, cinder ash, coal, and processed gravel present, moderately packed, dry, no odor, (FILL) (**sample -93**)	**JTP050902-93** 1120 (Bot. 2') OVM = ND PF = 251
4-8'	33/48		5, 6, 7, 8	▽	28" Light brown SAND, SILT, and GRAVEL - small and angular to rounded, moist, no staining, no odor, (NATIVE) (sample -94) 5" Same as above, wet, (NATIVE) (sample -94)	JTP050902-94 1125 (Bot. 2') OVM = ND PF = NA
8-12'	41/48		9, 10, 11, 12		6" Tan SILT; trace gravel, loose, saturated, no staining, no odor, (NATIVE) 21" Coarse SAND and GRAVEL - small and rounded; trace gravel - large, moderately packed, wet, no staining, no odor (NATIVE) 14" Brown, fine to medium grained SAND, moderately packed, wet (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-29
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/2/2005 / **Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 5.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	20/48		1		1.5" of asphalt 3" Light gray PROCESSED GRAVEL (FILL) 17" Gray SAND and SILT; some gravel - small, tightly packed, moist, no odor (FILL)	JTP050902-95 1150 (0-2') OVM = ND PF = 80
			2			
			3			
			4			
4-8'	38/48		5		8" Same as above (FILL) 8" Tan SILT; some gravel - small, moderately packed, moist to wet, (NATIVE) (**sample -96**)	**JTP050902-96** 1155 (5-7') OVM = ND PF = 30
			6	▽	22" Coarse SAND, SILT, and GRAVEL - small and rounded, moderately packed, wet, (NATIVE) (**sample -96**)	
			7			
			8			
8-12'	38/48		9		38" SAND, SILT, and GRAVEL - small and rounded, moderately packed, saturated (NATIVE)	No Sample Taken OVM = ND
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measurement in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-54
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/2/2005 / **Date Completed:** 9/2/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	37/48		1, 2, 3, 4		2" of asphalt 25" Brown SAND; some silt, ash, coal, and brick present, dry, loose, no staining, no odor (FILL) (sample -97) 12" Gray SILT, moist, organic odor present, (NATIVE) (sample -97)	JTP050902-97 1210 (2-4') OVM = ND PF = 27
4-8'	35/48		5, 6, 7	▽	5" Same as above (NATIVE) **(sample -98)** 10" Gray to green, fine to medium grained SAND, moist (NATIVE) **(sample -98)** 20" Brown/black SAND, SILT, and GRAVEL - small; trace gravel - large (NATIVE) **(sample-98)**	**JTP050902-98** 1230 (4-6') OVM = ND PF = 112
8-12'	48/48		8, 9, 10, 11, 12		42" Coarse SAND and SILT; some gravel - small, moderately packed, wet (NATIVE) 6" Black/gray SANDY SILT, saturated	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Installed 1" temporary well at 20'	

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-28
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: NA		**Driller:** NA	**Elevation and Datum:** NA	
Drilling Rig Type: NA		**Size and Type of Bit:** NA	**Date Started:** 9/2/2005	**Date Completed:** 9/2/2005
Sampler Type: Hand Auger		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 1.5'	**Water Level** Encountered NA / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-1.5'			1		3" of concrete Reddish brown, fine SAND; some gravel - medium to small and rounded, loose, dry, no staining, no odor (FILL)	No Sample Taken OVM = ND PF = NA
			2			
			3		EOB @ 1.5' Hand Auger Refusal @ 1.5'	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-46
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		Soil borings drilled and temporary monitoring wells installed.
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA	**Date Started:** 9/6/2005	**Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12'	**Water Level** Encountered 6' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	16/48		1, 2, 3, 4		2" of asphalt 14" Reddish brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, very dry, no staining, no odor (FILL) (**sample -101**) 2" COBBLE	**JTP050906-101** 0905 (0-4') OVM = ND PF = 222
4-8'	34/48		5, 6, 7, 8	∇	9" SANDSTONE 10" Brown-black SILT; little clay, loose, moist to wet, no odor (NATIVE) (sample -102) 15" Brown, medium to fine grained SAND; some silt; little clay, loose, wet, no odor (NATIVE) (sample -102)	JTP050906-102 0915 (6-8') OVM = ND PF = 107
8-12'	48/48		9, 10, 11, 12		4" Fall-in 44" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, no staining, no odor, saturated (NATIVE)	No Sample Taken OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-45
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA		**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA		**Total Depth:** 12' / **Water Level** Encountered 4' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	15/48		1, 2, 3, 4	▽	2" of asphalt 13" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, coal and cinder ash present, moderately, packed, dry, no odor (FILL) (**sample -103**) 2" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, moist, (no fill materials present) (FILL) (**sample -103**)	**JTP050906-103** 0930 (0-4') OVM = ND PF = 487
4-8'	35/48		5, 6, 7, 8		6" Fall-in 12" Brown-black SILT; little fine sand and clay, wet, slight decay odor (NATIVE) (sample -104) 12" Brown, fine SAND; little silt, no staining, no odor, wet, loose (NATIVE) (sample -104) 5" Reddish brown, coarse SAND and GRAVEL - small and rounded, moderately packed, saturated, no staining, no odor (NATIVE)	JTP050906-104 0940 (5-7') OVM = ND PF = 40
8-12'	48/48		9, 10, 11, 12		18" Fall-in 11" Same as above 19" Reddish brown, fine, homogenous SAND, moderately packed, saturated, no staining, no odor, (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-44
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 3.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	29/48		1		13" Reddish brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor (FILL)	**JTP050906-105** 0955 (2-3') OVM = ND PF = 2,540
			2		6" CINDER ASH and COAL, loose, dry, no odor (FILL) (**sample -105**)	JTP050906-106 1000 (3-4') OVM = ND PF - 217
			3	∇	10" Brown, fine SAND and SILT; little gravel - small and rounded, loose, moist, no odor (sample -106)	
			4			
4-8'	48/48		5		31" Brown-black SILT and CLAY, loose, wet, no odor (NATIVE)	JTP050906-107 1010 (7-8') OVM = ND PF = NA
			6		17" Reddish brown, fine to coarse SAND, SILT, and GRAVEL - large to small and rounded, moderately packed, saturated, no staining, no odor (NATIVE) (sample -107)	
			7			
			8			
8-12'	48/48		9		27" Reddish brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, saturated, no staining, no odor (NATIVE)	No Sample Taken OVM = ND PF = NA
			10		21" Reddish brown, fine, homogenous SAND, saturated, loose, no staining, no odor (NATIVE)	
			11			
			12		EOB @ 12'	
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-47
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 15' / **Water Level** Encountered 3' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	42/48		1, 2, 3	∇	2" of asphalt 14" Reddish brown, fine SAND; trace gravel - small and angular to rounded, loose, dry, no staining, no odor (FILL) 6" CINDER ASH and COAL, very loose, dry (FILL) **(sample -108)**	**JTP050906-108** 1025 (2-4') OVM = 130 PF = 150
			4		22" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, moist to wet, gasoline staining and odor (FILL) **(sample -108)**	
4-8'	39/48		5, 6, 7, 8		4" Fall-in 13" Gray-black SILT and CLAY, wet, staining, strong gasoline odor, loose (NATIVE) (sample -109) 14" Gray-black SILT and fine SAND, loose, wet, staining, and gasoline odor (NATIVE) (sample -109) 8" Gray-brown, fine SAND and SILT, loose, wet, slight gasoline odor (NATIVE)	JTP050906-109 1035 (5-7') OVM = 98.1 PF = 501
			9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 8' Installed 1" temporary well at 15'	

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-43
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 3' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	35/48		1, 2, 3	▽	2" of asphalt Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, no staining, no odor, cinder ash and coal present (FILL) (**sample -110**)	**JTP050906-110** 1105 (2-4') OVM = ND PF = 185
4-8'	40/48		4, 5, 6, 7		9" Same as above 2" Brown, fine, homogenous SAND, very loose, no staining, no odor (FILL) (sample -111) 22" Brown SILT; little clay, loose, wet, no staining, no odor (NATIVE) (sample -111) 7" Brown, fine SAND and SILT, loose, wet, no staining, no odor	JTP050906-111 1115 (5-7') OVM = ND PF = 188
8-12'	38/48		8, 9, 10, 11, 12		Light brown to brown, coarse SAND, SILT, and GRAVEL - large to small and angular, moderately packed, saturated, slight decay odor, no staining (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-42
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 3' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	26/48		1, 2, 3	∇	2" of asphalt 20" Brown-black, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry to moist to wet, strong kerosene/hydrocarbon odor, cinder ash and coal present (FILL) (**sample -112**) 6" SANDSTONE	**JTP050906-112** 1130 (2-4') OVM = 124.9 PF = 6,560
4-8'	32/48		4, 5, 6, 7, 8		9" Same as above (above the sandstone) (FILL) 13" Brown-black fine SAND and SILT, moderately packed, wet, hydrocarbon/kerosene odor (sample -113) 5" Gray-black, fine, homogenous SAND, loose, saturated, very strong hydrocarbon odor and staining (**sample -114**) 5" Brown, fine SAND and SILT; trace gravel - small and rounded, loose, wet, mild hydrocarbon odor (NATIVE)	JTP050906-113 1150 (4-6') OVM = 6.2 PF = NA **JTP050906-114** 1155 (6-8') OVM = 187.1 PF = 10,240
8-12'	29/48		9, 10, 11, 12		17" Same as above (possible fall-in, very loose) 12" Light brown, fine SAND, SILT, and GRAVEL - large to small and rounded, saturated, moderately packed, no staining, no odor (NATIVE)	No Sample Taken OVM = 1.1
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-41
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/6/2005 / **Date Completed:** 9/6/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 15' / **Water Level** Encountered 3.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	36/48		1, 2, 3	▽	2" of asphalt Reddish brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, dry to moist, no odor (FILL) (sample -115)	JTP050906-115 1300 (2-4') OVM = ND PF = 255
4-8'	36/48		4, 5, 6, 7		22" Same as above, moderate hydrocarbon odor (FILL) 10" Brown-black, fine SAND and SILT; little clay, loose, wet, OVM = 3.4 (NATIVE) 4" Gray-black, coarse to fine SAND and GRAVEL - large to small and rounded, very loose, saturated, strong hydrocarbon odor and staining (NATIVE) (**sample - 116**)	**JTP050906-116** 1310 (7-8') OVM = 267 PF = 7,980
8-12'	35/48		8, 9, 10, 11, 12		Same as above, hydrocarbon odor and staining present and decreases towards bottom of recovery (NATIVE)	No Sample Taken OVM = 108
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12' Installed 1" temporary well at 15'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-39
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA		**Date Started:** 9/7/2005 / **Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA	**Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 3' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	28/48		1, 2, 3	∇	2" of asphalt 13" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, no staining, no odor, dry (FILL) (**sample -121**) 4" CINDER ASH 6" Brown, fine SAND and SILT, loose, moist to wet, no staining, no odor (**sample -121**) 5" Black ORGANIC MATERIAL, wet, decay odor (NATIVE) (**sample -121**)	**JTP050907-121** 0955 (2-4') OVM = ND PF = 1,372
4-8'	38/48		4, 5, 6, 7		8" Fall-in 17" Black, fine SAND and SILT, loose, wet, slight decay odor (NATIVE) (sample -122) 13" Gray brown, coarse SAND and GRAVEL - large to small and rounded, loose, saturated, strong decay odor, oily (NATIVE) (**sample -123**)	JTP050907-122 1010 (4-6') OVM = ND PF = 274 **JTP050907-123** 1015 (6-8') OVM = ND PF = 3,940
8-12'	48/48		8, 9, 10, 11, 12		18" Brown, coarse SAND and GRAVEL - moderately packed, saturated, no staining, slight decay odor (NATIVE) 30" Brown, fine SAND, moderately packed, saturated, no staining, no odor (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-37
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/7/2005 / **Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 4' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	35/48		1, 2, 3, 4	▽	2" of asphalt 23" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, dry, no staining, no odor, cinder ash present (FILL) **(sample -124)** 12" Brown, fine SAND; some silt, moist, moderately packed, no staining, no odor	**JTP050907-124** 1030 (Top 2') OVM = ND PF = 2,840
4-8'	39/48		5, 6, 7, 8		7" Fall-in 4" Gray, coarse SAND; little gravel - large and rounded, saline odor, "fizzed" in the NaHSO4 (sample -125) 13" Brown-black SILT and ORGANIC MATERIALS, wood present, pliable, wet, slight decay odor (NATIVE) (sample -125) 15" Brown, coarse SAND and GRAVEL - small and rounded, moderately packed, saturated, no staining, no odor (NATIVE)	JTP050907-125 1055 (Top 2') OVM = ND PF = 398
8-12'	48/48		9, 10, 11, 12		34" Same as above 14" Orange-brown, fine, homogenous, SAND, saturated, moderately packed, no staining, no odor (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-25
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection			**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE			
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA	
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA		**Date Started:** 9/7/2005	**Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA	**Drop:** NA	**Total Depth:** 1'	**Water Level** Encountered NA / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
			1		Refusal at 1' in 7 different locations/Suspect concrete floor of old building	
			2			
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PE = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-38
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/7/2005 / **Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 5-7' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	0/48		1, 2, 3, 4		No Recovery	
4-8'	23/48		5, 6, 7	∇	16" SANDSTONE BOULDER 7" Brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, saturated, no odor no staining (**sample -126**)	**JTP050907-126** 1125 (4-8') OVM = ND PF = 24
8-12'	38/48		8, 9, 10, 11, 12		31" Brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, saturated, no staining, no odor (NATIVE) (sample -127) 7" Orange-brown, fine, homogenous SAND, saturated, no staining, no odor (NATIVE)	JTP050907-127 1220 (8-10') OVM = ND PF = 30
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-36
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA	
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/7/2005	**Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12'	**Water Level** Encountered NA / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	21/48		1		2" of asphalt Brown, fine, homogenous SAND, loose, dry, no staining, no odor (FILL) (sample -128)	JTP050907-128 1255 (Bot. 2') OVM = ND PF = 61
			2			
			3			
			4			
4-8'	6/48		5		Same as above (probably fall-in)	No Sample Taken
			6			
			7			
			8			
8-12'	8/48		9		Fall-in	No Sample Taken
			10			
			11			
			12			
			13		EOB @ 12'	
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-35
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT	**Inspector:** J. Perko, C. Carlson, CEE		
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)	**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe	**Size and Type of Bit:** NA	**Date Started:** 9/7/2005	**Date Completed:** 9/7/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB	**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12'	**Water Level** Encountered 5.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	24/48		1, 2, 3, 4		2" of asphalt (Encountered Refusal @ 3 prior locations) Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor, cinder ash and coal present (FILL) (**sample -129**)	**JTP050907-129** 1355 (Bot. 2') OVM = ND PF = 1,452
4-8'	38/48		5, 6, 7, 8	▽	10" Same as above 12" Orange brown SILT; little fine sand, loose, wet, no staining, no odor (sample -130) 12" Orange brown, fine SAND; little silt, loose, wet, no staining, no odor (sample -130) 4" Black ORGANIC MATERIALS, mainly decomposing wood (NATIVE)	JTP050907-130 1400 (5-7') OVM = ND PF = 34
8-12'	48/48		9, 10, 11, 12		26" Brown, coarse SAND and GRAVEL - large to small and rounded; little silt, no staining, no odor, saturated, moderately packed (NATIVE) 22" Orange brown, fine SAND, moderately packed, saturated, no staining, no odor	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-22
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection			**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE			
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA	
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA		**Date Started:** 9/8/2005	**Date Completed:** 9/8/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA	**Drop:** NA	**Total Depth:** 12'	**Water Level** Encountered 3.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	26/48		1, 2, 3	▽	2" of asphalt Brown to reddish brown, coarse SAND and GRAVEL - large to small and angular, dry to wet, no staining, no odor, sandstone present (sample -135)	JTP050907-135 1000 (0-4') OVM = ND PF = 213
4-8'	15/48		4, 5, 6, 7, 8		12" Fall-in 3" Brown SILT, wet, no staining, no odor, pliable (NATIVE)	No Sample Taken OVM = ND
8-10'	36/48		9, 10, 11, 12		10" Same as above 26" Orange brown, coarse SAND and GRAVEL - large to small and rounded; little silt, no staining, no odor, moderately packed, saturated	JTP050907-136 1025 (8-10') OVM = ND PF = 11
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-34
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	**Elevation and Datum:** NA
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Date Started:** 9/8/2005 / **Date Completed:** 9/8/2005
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Water Level** Encountered 7' / Stabilized NA
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12'

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4	33/48		1, 2, 3, 4		2" of asphalt Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor (FILL) (sample -133)	**JTP050908-133** 0930 (0-4') OVM = ND PF = 7,370
4-8'	35/48		5, 6, 7	▽	29" Same as above (FILL) (sample -134) 6" Brown-black, coarse to fine SAND and SILT, loose, moist to wet, slight decay odor (NATIVE) (sample -134)	JTP050908-134 0935 (6-8') OVM = ND PF = 207
8-12'	36/48		8, 9, 10, 11, 12		10" Fall-in 6" Brown, medium grained SAND, loose, saturated, no staining, no odor (NATIVE) 20" Orange brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, saturated (NATIVE)	No Sample Taken OVM = ND
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-33
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/8/2005 / **Date Completed:** 9/8/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 4' / **Water Level** Encountered NA, Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	30/48		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		2" Topsoil 28" Light brown, fine SAND, SILT, and GRAVEL, very dry, no staining, no odor, very loose (sample -137)	JTP050908-137 1040 (0-4') OVM = ND PF = NA
					EOB @ 4' Refusal @ 4' (Attempted 3 other locations)	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-32
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/8/2005 / **Date Completed:** 9/8/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 8' / **Water Level** Encountered 4-8' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	18/48		1, 2, 3, 4	▽	2" of asphalt 7" SANDSTONE 11" Brown, fine SAND, SILT, and GRAVEL, loose, dry, no staining, no odor (FILL)	No Sample Taken OVM = ND
4-8'	20/48		5, 6, 7, 8	▽	Brown, fine SAND, brick, sandstone, and asphalt present, loose, dry to moist to wet, no odor, very bony (FILL) **(sample -138)**	**JTP050908-138** 1130 (4-8') OVM = ND PF = 890
			9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 8' Refusal @ 8' (Attempted 4 other locations)	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-31
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/8/2005 / **Date Completed:** 9/8/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 8-12' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	27/48		1, 2, 3, 4		Light brown, fine SAND and GRAVEL - large to small and rounded, loose, very dry, no staining, no odor (sample -139)	JTP050908-139 1210 (0-4') OVM = ND PF = NA
4-8'	14/48		5, 6, 7, 8	∇	Same as above, dry to moist	No Sample Taken OVM = ND
8-12'	6/48		9, 10, 11, 12	∇	4" Fall-in 2" (In the tip) Brown, fine SAND, SILT, and GRAVEL - medium sized and angular, loose, wet, green substance on soil, solvent odor detected	No Sample Taken OVM = 4.3 PF = NA
12-16'	48/48		13, 14, 15, 16, 17		6" Same as above 10" Brown, fine SAND, SILT, and CLAY, very pliable, green substance present, solvent odor detected, wet, (NATIVE) (**sample -140 & -141**) 16" Brown, coarse to fine SAND and GRAVEL - large to small and rounded, moderately packed, wet, green substance present, solvent odor detected (NATIVE) (**sample -140 & -141**) 16" Orange brown, fine SAND, dense, no staining, no odor, wet, (NATIVE) OVM = ND	**JTP050908-140** 1305 (12-15') OVM = 12.9 PF = 225 **JTP050908-141** 1310 (12-15' dup)
			18, 19, 20, 21, 22		EOB @ 16' Installed 1" temporary well at 20'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-55
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/8/2005 / **Date Completed:** 9/8/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 10' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	34/48		1, 2, 3, 4		8" of topsoil 26" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, loose, dry, no staining, no odor, brick and wood present (FILL) (**sample -142**)	**JTP050908-142** 1330 (2-4') OVM = ND PF = NA
4-8'	18/48		5, 6, 7, 8		4" Same as above 10" SANDSTONE 4" CONCRETE	No Sample Taken OVM = ND
8-12'	48/48		9, 10, 11, 12, 13	∇	24" Same as above 4" Reddish brown, medium to fine grained SAND and GRAVEL - large to small and rounded, loose, no staining, no odor, wet (sample -143) 6" Gray brown, fine SAND, SILT, and CLAY, loose, wet, no odor (NATIVE) (sample -143) 2" Gray brown, coarse SAND, loose, wet, no odor (NATIVE) 12" Gray, fine SAND and SILT, dense, wet, no odor (NATIVE)	JTP050908-143 1410 (10-12') OVM = ND PF = 91
			14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-56
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/12/2005 / **Date Completed:** 9/12/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 20' / **Water Level** Encountered 4' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	34/48		1, 2, 3, 4	∇	2" of asphalt 30" Brown, fine SAND, SILT, and GRAVEL - large to small and angular to rounded, moderately packed, dry, cinder ash, slag, sandstone, and firebrick present, no odor (FILL) (**sample -146**) 4" Brown, fine SAND; some silt; little gravel - medium sized and angular, moderately packed, moist, no staining, no odor (FILL)	**JTP050912-146** 0850 (1-3') OVM = ND PF = NA
4-8'	36/48		5, 6, 7, 8		6" Fall-in 16" CINDER ASH, COAL, and SLAG, loose, wet, no odor (FILL) (sample -147) 14" Brown to black, fine SAND and SILT; little gravel - large to small and angular, loose, wet, slight decay odor (NATIVE) (sample -148)	JTP050912-147 0900 (5-7') OVM = ND PF = 2 JTP050912-148 0905 (7-8') OVM = ND PF = NA
			9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 8' Installed 1" temporary well at 20'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-50
Sheet 1 of 1

Job No.	Client:		Project Description:
2005.045	Connecticut Department of Environmental Protection		Phase II/III ESA and GWM
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	Soil borings drilled and temporary monitoring wells installed.
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/12/2005 / **Date Completed:** 9/12/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 8' / **Water Level** Encountered 3' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	44/48		1, 2, 3	▽	2" of asphalt 29" Brown, fine SAND, SILT, and GRAVEL - large to small, and angular to rounded, loose, dry, no staining, no odor, coal present (FILL) (**sample -149**) 15" Brown, fine SAND; little silt, moist to wet, moderately packed, no staining, no odor (sample -150)	**JTP050912-149** 0945 (0-2') OVM = ND PF = NA JTP050912-150 0950 (2-4') OVM = ND PF = NA
4-8'	46/48		4, 5, 6, 7, 8		12" Fall-in 34" Orange-brown, coarse SAND and GRAVEL - large to small and rounded, moderately packed, saturated, no staining, no odor	No Sample Taken OVM = ND
			9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 8'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-49
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection			**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.	
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE			
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)		**Elevation and Datum:** NA	
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA		**Date Started:** 9/12/2005	**Date Completed:** 9/12/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA	**Drop:** NA	**Total Depth:** 15'	**Water Level** Encountered 3.5' / Stabilized NA

Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	36/48		1		2" of asphalt 32" Brown, fine SAND, SILT, and GRAVEL - large to small, and angular to rounded, moderately packed, lots of cinder ash and sandstone, no staining, no odor (FILL) (sample -151) 4" Brown SILT, wet, no staining, slight decay odor	JTP050912-151 1010 (1-3') OVM = ND PF = 8
			2			
			3			
			4	▽		
4-8'	37/48		5		4" CINDER ASH and COAL, saturated, loose, no odor, (possible fall-in) 4" Brown SILT, wet, no staining, slight decay odor 29" Brown, medium to coarse grained SAND and GRAVEL - large to small and rounded, moderately packed, green substance present, mild solvent odor (**sample -152**)	**JTP050912-152** 1020 (5-7') OVM = 49.0 PF = NA
			6			
			7			
			8			
			9		EOB @ 8' Installed 1" temporary well at 15'	
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. CEE-48
Sheet 1 of 1

Job No. 2005.045	**Client:** Connecticut Department of Environmental Protection		**Project Description:** Phase II/III ESA and GWM Soil borings drilled and temporary monitoring wells installed.
Location: Meriden HUB/East Main and State Sts, Meriden, CT		**Inspector:** J. Perko, C. Carlson, CEE	
Drilling Contractor: CT Tank Removal & Env. Mngmt. Systems Inc. (EMSI)		**Driller:** Matt (CTR) & Edgar (EMSI)	**Elevation and Datum:** NA
Drilling Rig Type: LT-54 Direct Push Remote Geo-Probe		**Size and Type of Bit:** NA	**Date Started:** 9/12/2005 / **Date Completed:** 9/12/2005
Sampler Type: 4' X 2" Macro-Core®, Dual Tube, RS60, LB		**Hammer Weight:** NA / **Drop:** NA	**Total Depth:** 12' / **Water Level** Encountered 5' / Stabilized NA

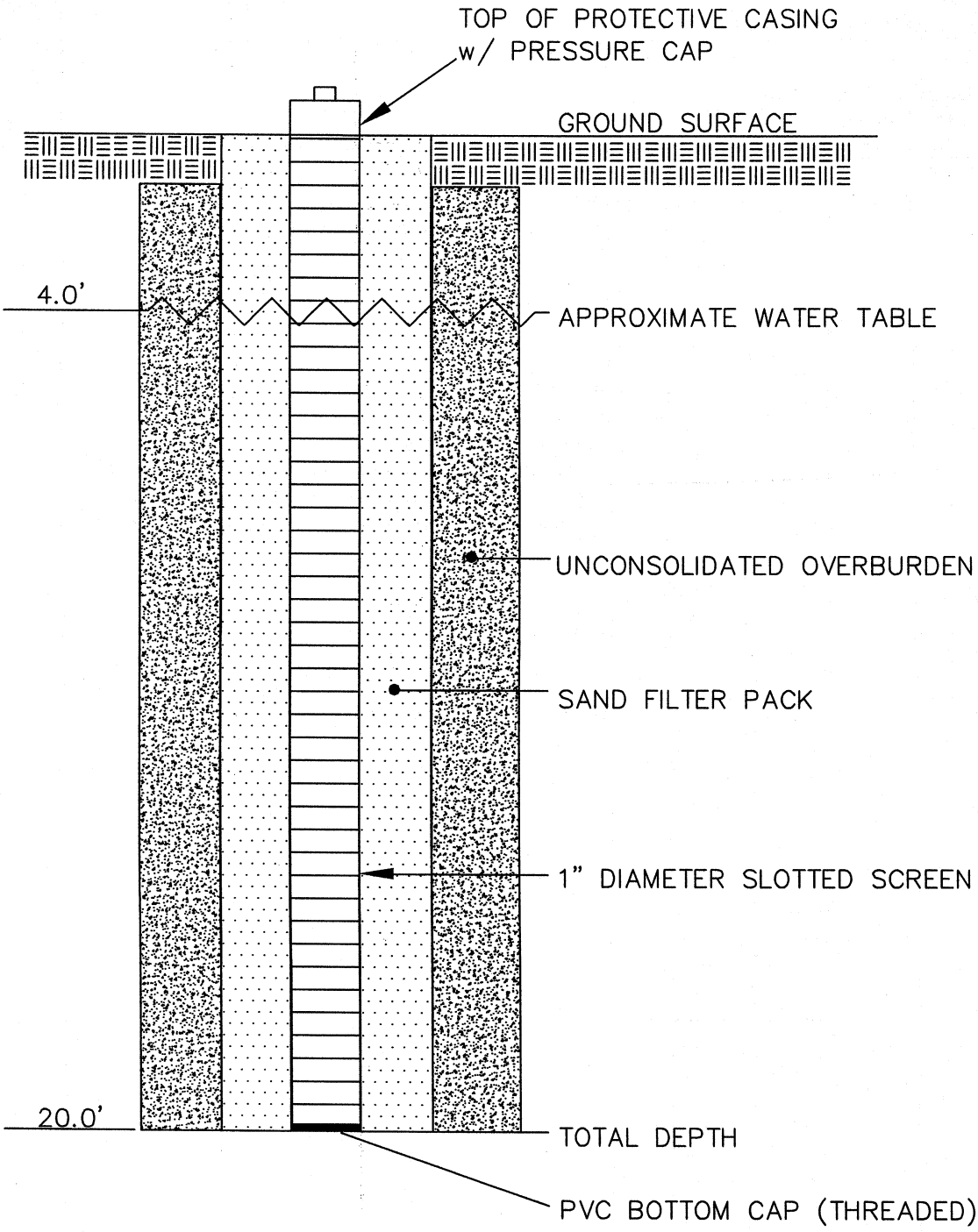
Sample Interval	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	Sample I.D., Time, & Screening Results
0-4'	23/48		1, 2, 3, 4		2" of asphalt Reddish brown, fine to coarse SAND and GRAVEL - large to small and angular to rounded (sandstone), loose, dry, no staining, no odor	No Sample Taken OVM = ND
4-8'	37/48		5, 6, 7, 8	∇	4" SANDSTONE 12" Brown SILT, wet, moderately packed, no staining, no odor (NATIVE) (sample -153) 21" Brown, fine to coarse SAND and GRAVEL - large to small and angular to rounded, wet, no staining, no odor, moderately packed (NATIVE) (sample -153)	JTP050912-153 1105 (5-7') OVM = ND PF = NA
8-12'	48/48		9, 10, 11, 12		33" Brown, coarse to fine SAND and GRAVEL - large to small and rounded, moderately packed, saturated, no staining, no odor (NATIVE) (sample -154) 15" Brown, fine, homogenous SAND, saturated, no staining, no odor, moderately packed (NATIVE) (sample -154)	JTP050912-154 1115 (10-12') OVM = ND PF = NA
			13, 14, 15, 16, 17, 18, 19, 20, 21, 22		EOB @ 12'	

OVM = Organic Vapor Meter (Measured in parts per million)
PF = PetroFLAG (Measured in parts per million)

Samples submitted for analysis are indicated in bold type.

WELL: MW CEE-6	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



Notes: Drawing is not to scale.

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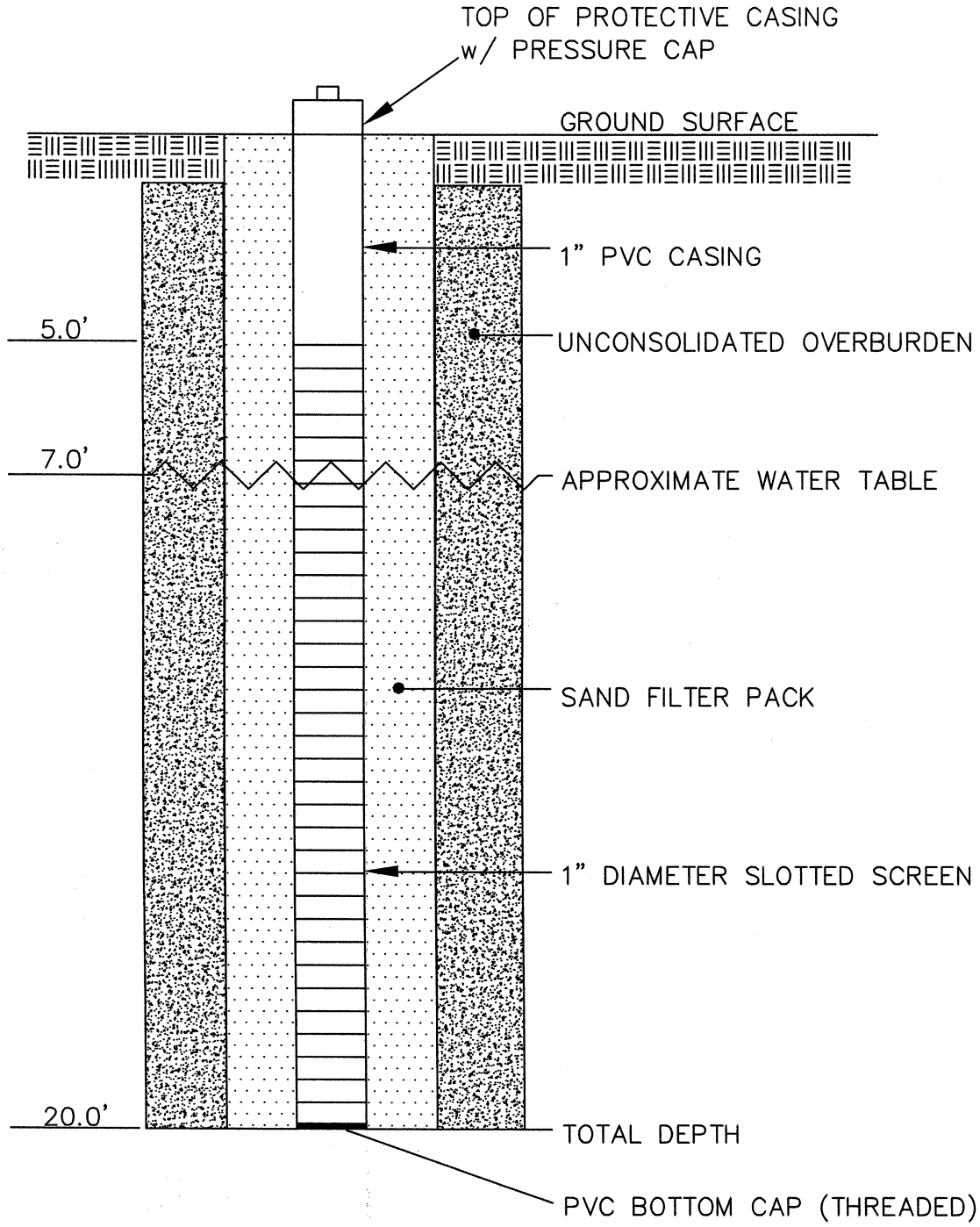
WELL: MW CEE-8A	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



Notes: Drawing is not to scale.

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DATE	DATE

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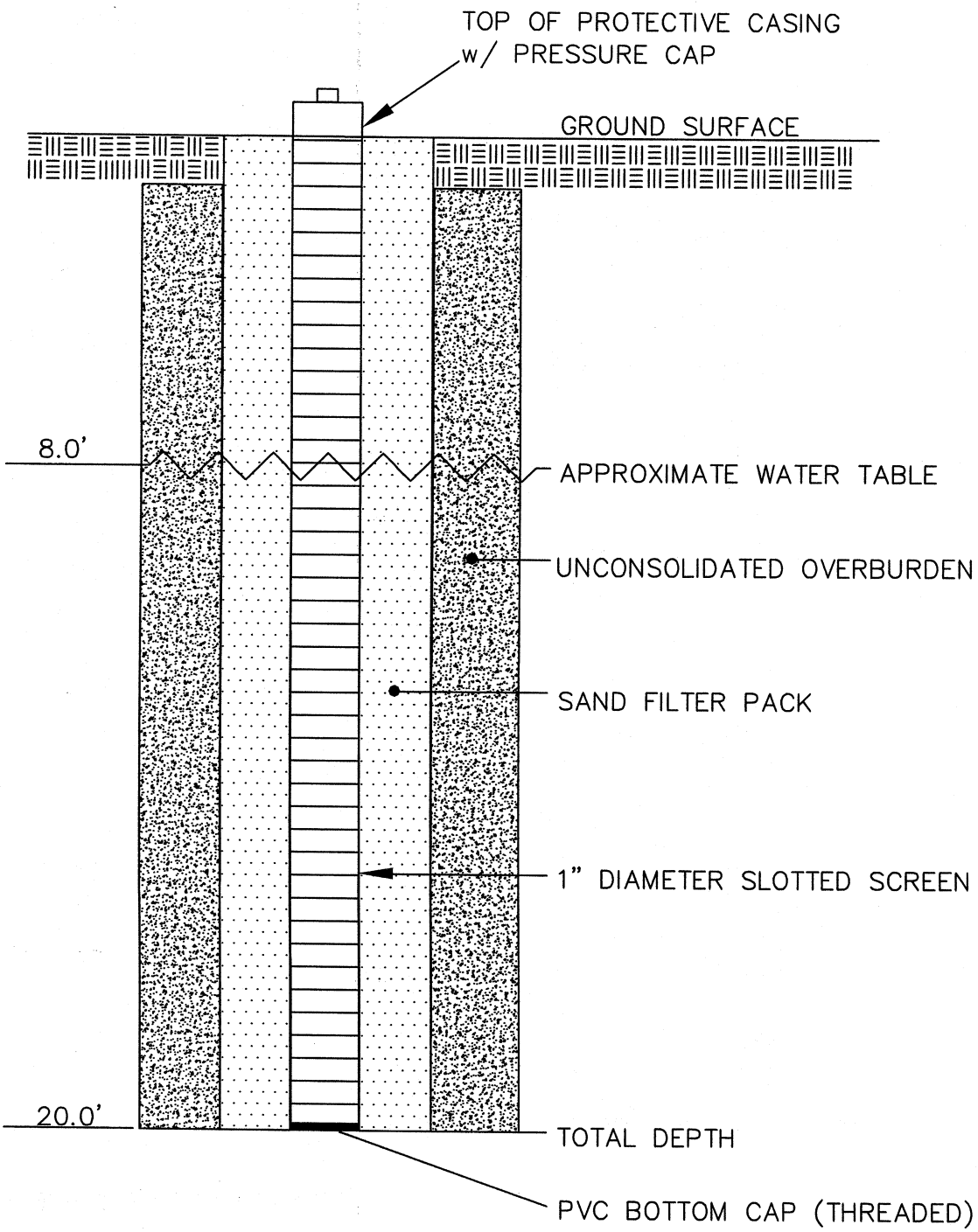
WELL: MW CEE–15	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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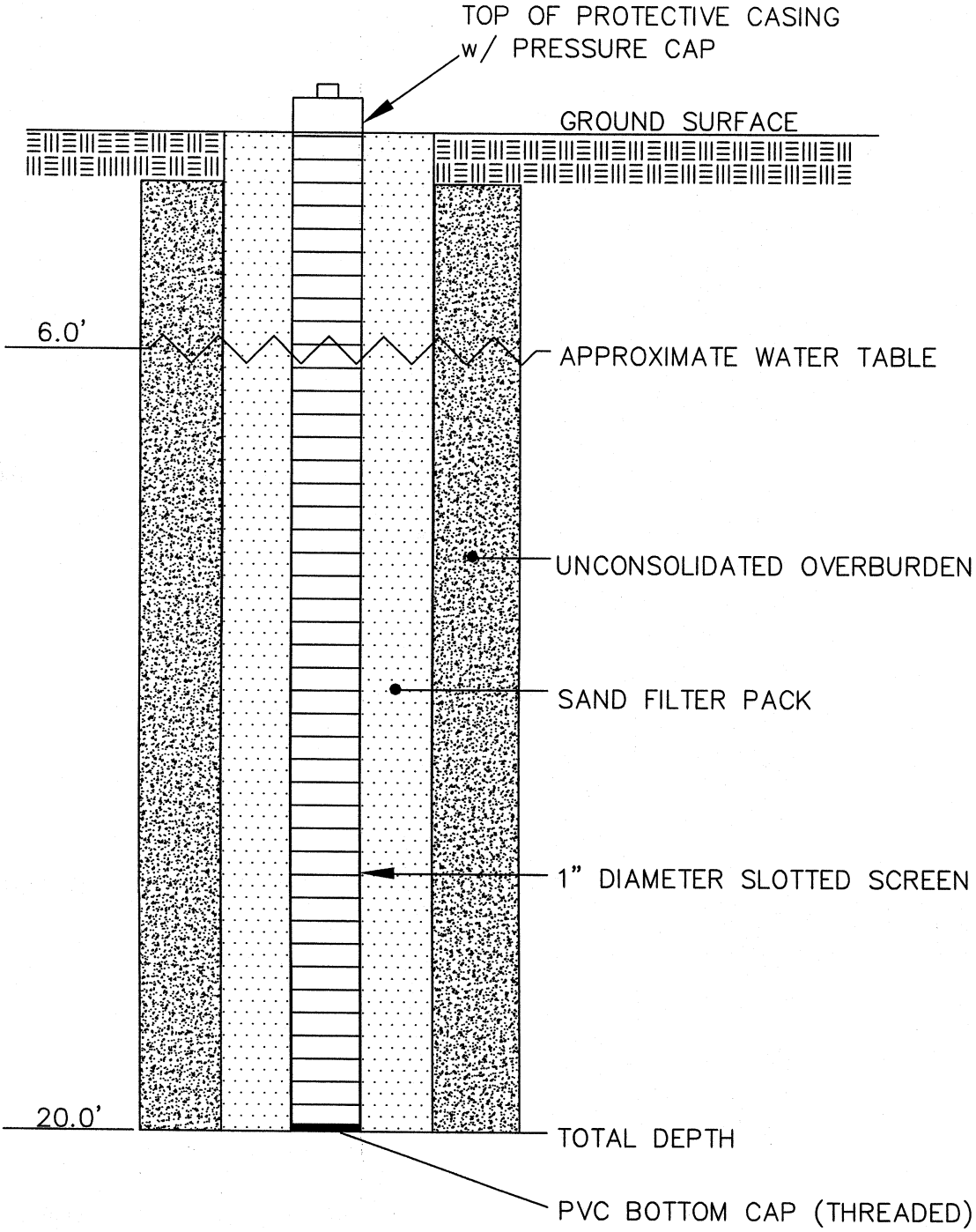
CEE Consulting Environmental

WELL: MW CEE-17	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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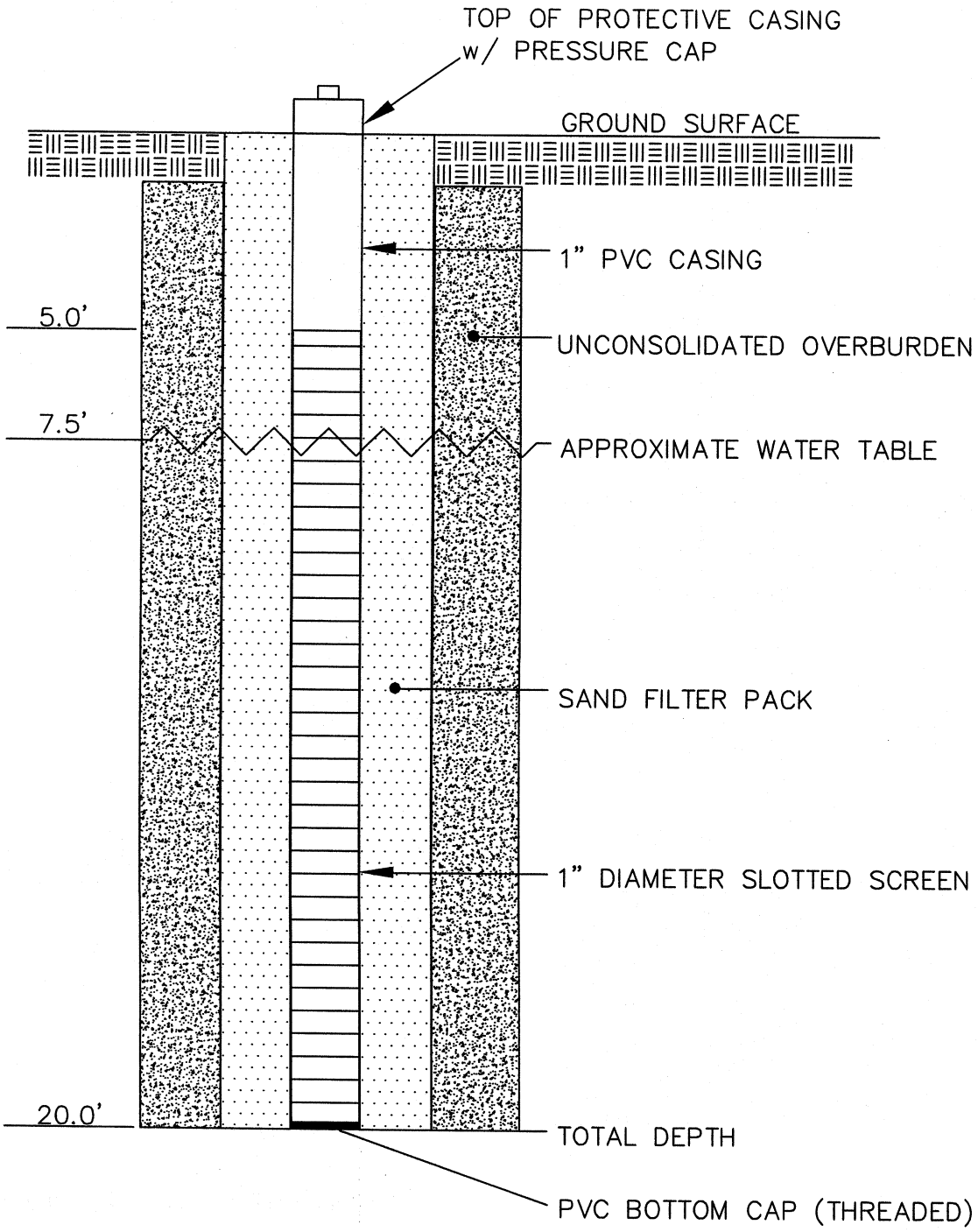
WELL: MW CEE-23	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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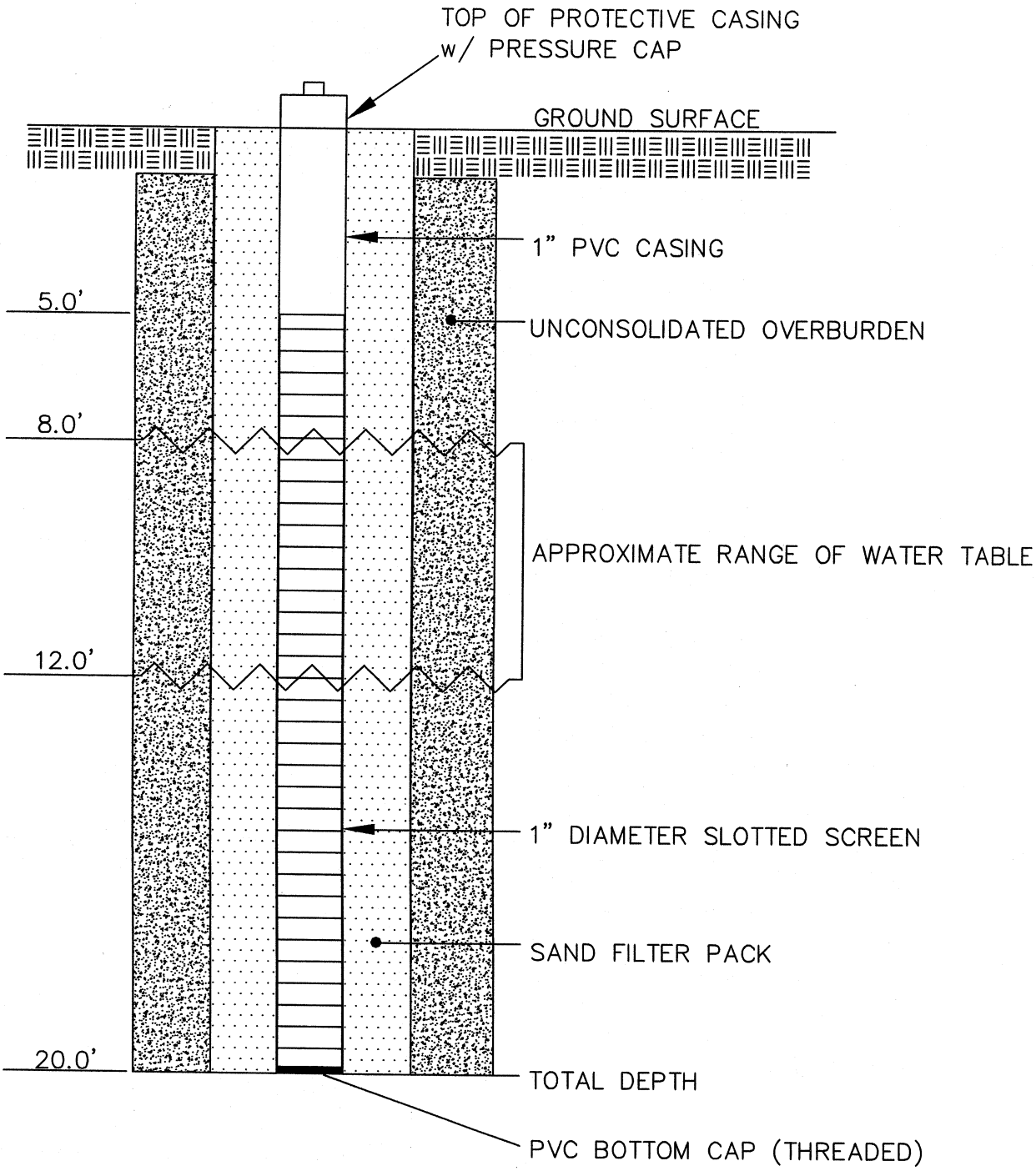
WELL: MW CEE-31	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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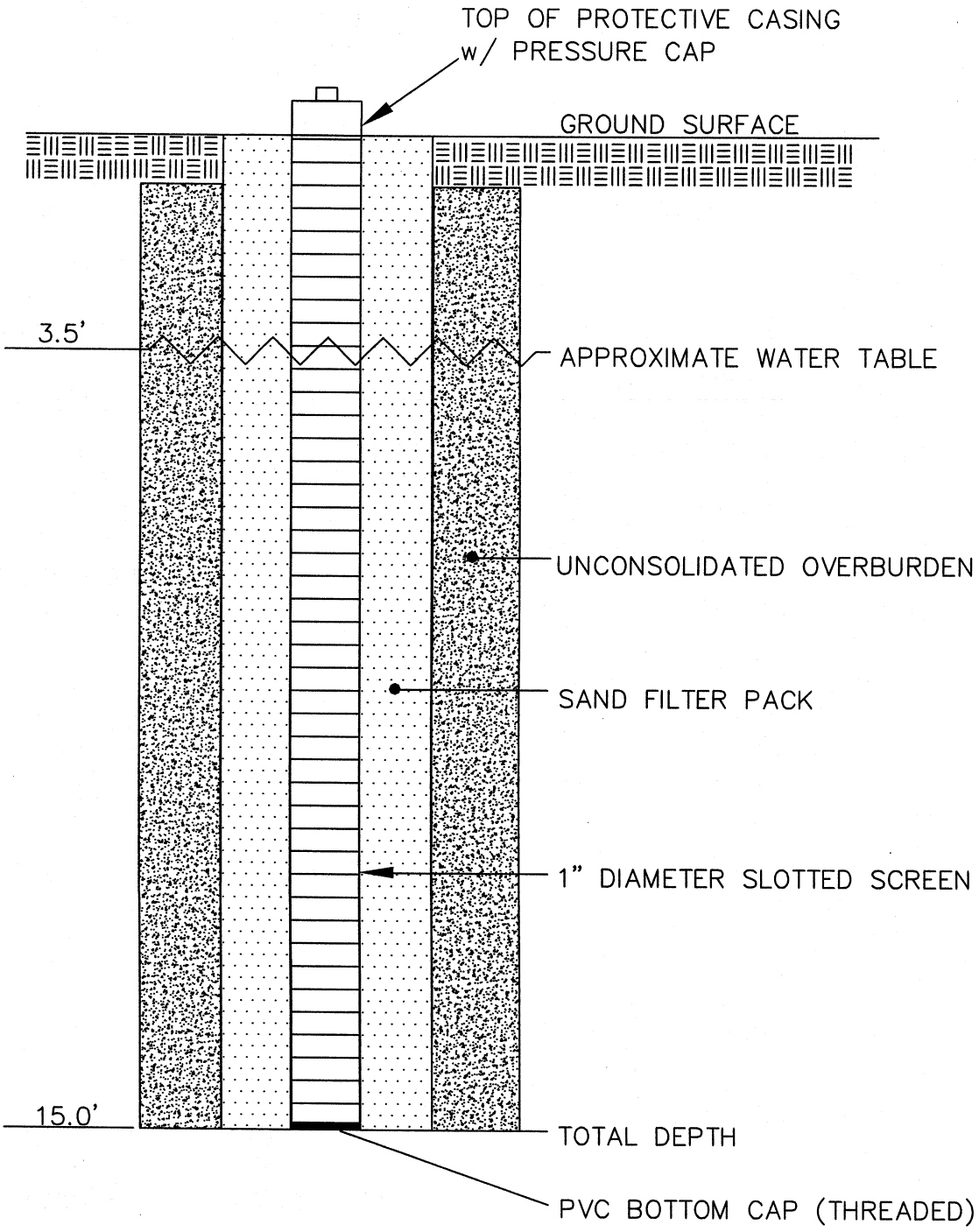
WELL: MW CEE-41	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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INSTALLED BY: JTP	DRAWN BY: JTP

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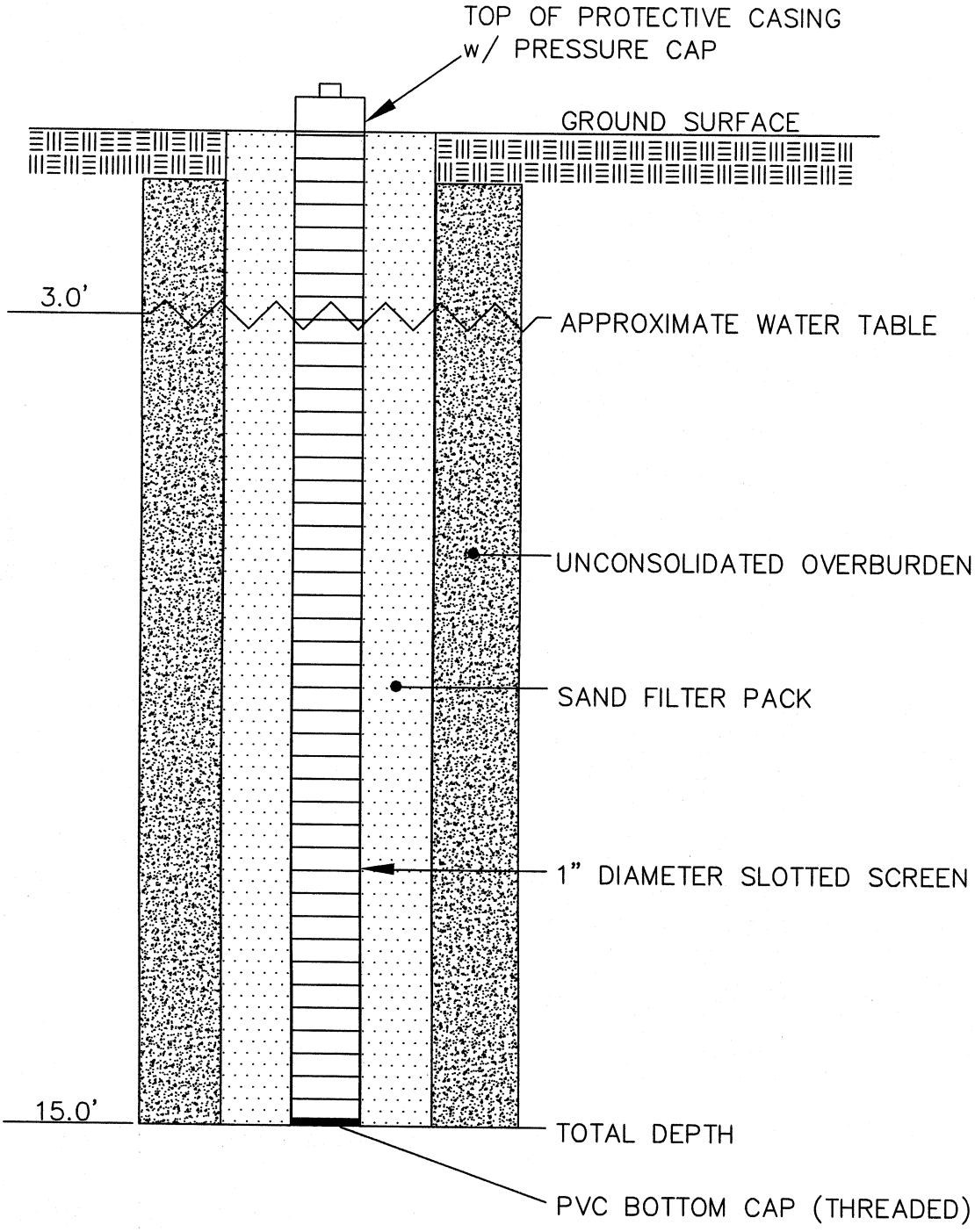
WELL: MW CEE-47	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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9/6/05	DATE: 9/15/05

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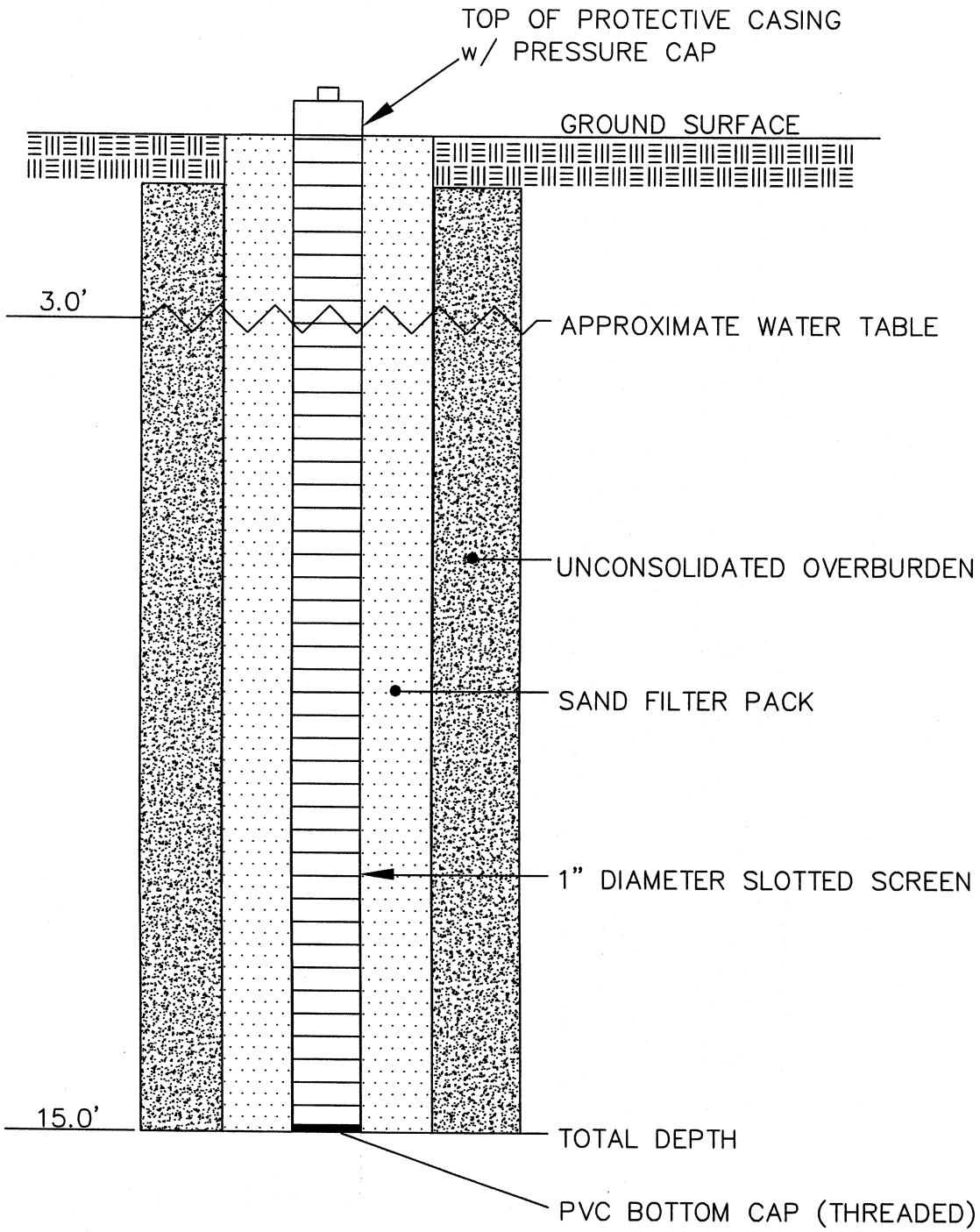
WELL: MW CEE-49	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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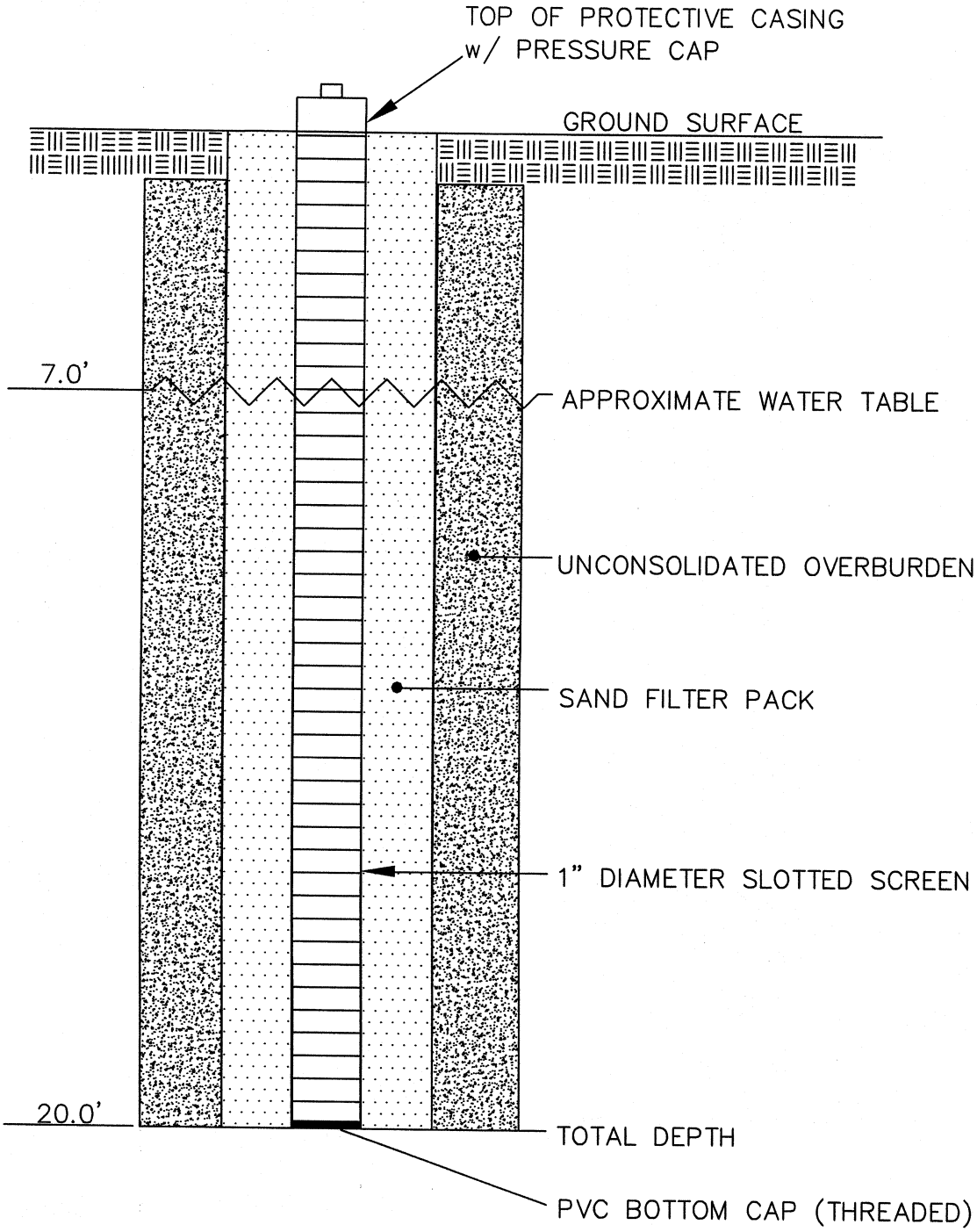
WELL: MW CEE-54	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



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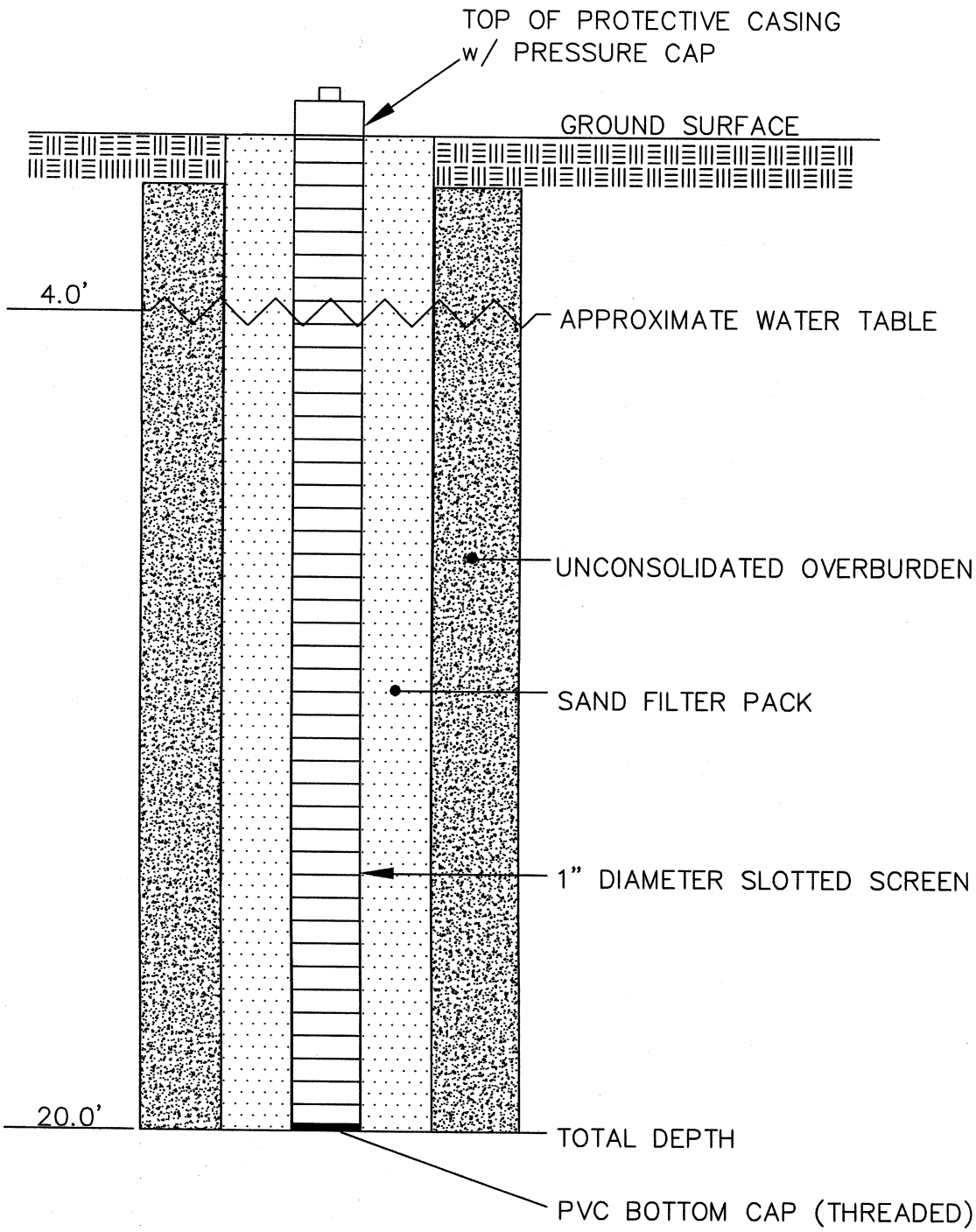
WELL: MW CEE-56	CLIENT/SITE: CT DEP – Meriden HUB PROJECT NO.: 2005.045	PAGE 1 OF 1

TEMPORARY WELL CONSTRUCTION DETAIL



Notes: Drawing is not to scale.

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CEE Consulting Environmental Engineers, Inc.

Appendix 2

Field Screening Logs

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 8/29/05
Operator: Joe Pesko
Location: CT DEP- Meriden HUB

Calibration Time/Date: 8/29/05 1700
Calibration Temperature: 24.9°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	8/29/05	0		1		
2	Standard	↓		1,000				
3	-16	10g		962				AOC #11
4	-17			38				
5	-20			114				
6	-23			967				
7	-21			315				
8	-22			78				
9	-25			391				
10	-26			1,457				
11	-27			237				
12	-28			30				
13	-29			315				
14	-30			16				
15	-31			26				
16	-32			1,640				
17	-33			886				
18	-34			18				
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 8/30/05
Operator: Joe Perko
Location: CT DEP. Meriden HUB

Calibration Time/Date: 8/30/05 1600
Calibration Temperature: 25.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	8/30/05	0		1		
2	Standard	↓	↓	1000		↓		
3	-36	10g	↓	942		↓		AOC #11
4	-38	↓	↓	431		↓		↓
5	-39	↓	↓	48		↓		↓
6	-40	↓	↓	34		↓		↓
7	-42	↓	↓	937		↓		AOC #6
8	-43	↓	↓	938		↓		↓
9	-45	↓	↓	694		↓		↓
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 8/31/05
Operator: Joe Pesko
Location: Meriden HUB

Calibration Time/Date: 8/31/05 1530
Calibration Temperature: 26.4°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	8/31/05	0		7		
2	Standard	↓		1,000		↓		
3	-49	10g	↓	80		↓		AOC #6
4	-50	↓	↓	27		↓		↓
5	-52	↓	↓	97		↓		↓
6	-53	↓	↓	21		↓		↓
7	-56	↓	↓	42		↓		↓
8	-57	↓	↓	409		↓		AOC #7
9	-58	↓	↓	40		↓		↓
10	-59	↓	↓	1,371		↓		↓
11	-61	↓	↓	87		↓		↓
12	-62	↓	↓	48		↓		↓
13	-63	↓	↓	30		↓		↓
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/1/05
Operator: Joe Perko
Location: Meriden HUB

Calibration Time/Date: 9/1/05 1500
Calibration Temperature: 26.5°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	9/1/05	0		7		
2	Standard	↓		1,000		↓		
3	-66	10g	↓	338		↓		AOC #7
4	-67	↓	↓	24		↓		↓
5	-69	↓	↓	432	10	↓	4,320	AOC #3
6	-70	↓	↓	438	10	↓	4,380	↓
7	-72	↓	↓	752		↓		↓
8	-73	↓	↓	33		↓		↓
9	-75	↓	↓	171		↓		↓
10	-76	↓	↓	110		↓		↓
11	-79	↓	↓	164		↓		↓
12	-80	↓	↓	17		↓		↓
13	-81	↓	↓	672		↓		↓
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/2/05
Operator: Joe Perko
Location: Meriden HUB

Calibration Time/Date: 9/2/05 1515
Calibration Temperature: 25.6°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	9/2/05	0		7		
2	Standard	↓		1,000				
3	-85	10g		235				AOC #3
4	-86			118				
5	-89			291	10		2,910	
6	-90			35	1			↓
7	-91			138				AOC #5
8	-92			46				
9	-93			251				
10	-95			80				
11	-96			30				
12	-97			27				
13	-98	↓	↓	112		↓		↓
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/7/05
Operator: Joe Perko
Location: Meriden HUB

Calibration Time/Date: 9/7/05 0700
Calibration Temperature: 24.0°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	9/7/05	0		7		
2	Standard	↓		1,000				
3	-101	10g		222				AOC #10
4	-102			107				
5	-103			487				
6	-104			40				
7	-105			254	10		2,540	
8	-106			217				
9	-108			150				
10	-109			501				
11	-110			185				AOC #9
12	-111			188				
13	-112			656	10		6,560	
14	-114			1,024	10		10,240	
15	-115			255				
16	-116			798	10		7,980	
17	-117			71				
18	-118			34				
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/7/05
Operator: Joe Perko
Location: Meriden HUB

Calibration Time/Date: 9/7/05 1620
Calibration Temperature: 24.8°c

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	9/7/05	0		7		
2	Standard			1,000				
3	-121	10g		1,372				AOC #3
4	-122			274				
5	-123			394	10		3,940	
6	-124			142	~~105~~ 20		2,840	
7	-125			398				
8	-126			24				
9	-127			30				
10	-128			61				
11	-129			1,452				
12	-130			34				
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/8/05
Operator: Joe Perko
Location: Meriden. HUB

Calibration Time/Date: 9/8/05 1600
Calibration Temperature: 25.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	NA	9/8/05	0		7		
2	Standard	↓	↓	1,000		↓		
3	-133	10g	↓	737	10	↓	7,370	AOC#3
4	-134	↓	↓	207		↓		↓
5	-135	↓	↓	213		↓		↓
6	-136	↓	↓	11		↓		↓
7	-138	↓	↓	890		↓		AOC#1
8	-140	↓	↓	225		↓		↓
9	-143	↓	↓	91		↓		↓
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG™

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/13/05
Operator: Joe Perko
Location: Meriden HUB

Calibration Time/Date: 9/8/05 1600
Calibration Temperature: 25.8 °C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	-147	10g	9/13/05	2		7		AOC #2
2	-151	↓	↓	8		↓		↓
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Appendix 3

Monitoring Well Field Data Sheets

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-1**	JTP050808-01
Project Number: 2005.045		

Sample Data

Date: 8/8/05 Time: 0845 Sampler(s): JTP Weather: hazy, humid 90s

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, ~~What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory)~~ / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-1**	JTP050808-02
Project Number: 2005.045		

Sample Data

Date: 8/8/05 Time: 0850 Sampler(s): JTP Weather: hazy, hum'd 90s

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2 ✓	HCl	VOCs by ~~8020~~ or 8260
	1L Amber	1 ✓	HCl	ETPH
	500mL Plastic	1 ✓	HNO_3	Total Lead
	500mL Plastic	1 ✓	NaOH	Total CN^-

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-108	JTP050808-03
Project Number: 2005.045		

Well Measurement Data

Date: 8/8/05 (5SP) | Time: 1250 | Sampler(s): JTP | Weather: hot, humid, 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	5.91'	+ –	= 5.91'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.57'	+ –	= 14.57'

Measuring Device: Interface Probe / Tape / Sinco / Other _____

Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None

Well Cap: Good / Broken / Rusted / None

Well I.D.: Visible / Illegible / None

Cement Collar: OK / Cracked / Heaved / None

Lock: Good / Broken / Rusted / None

Comments:

Inside

PVC Casing: OK / Damaged / None

Is PVC Plumb? Yes / No

H2O between PVC and Steel? No / Yes

Evidence of: None / Spiders / Rodents / Bees, Wasps

Ponding Around Well? No / Yes

Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~13.5' | DTW Prior To Purge (ft.): 6.40' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other_____

Sampler(s): JTP | DTW After Sampling (ft.): 7.28' | Date Sampled: 8/8/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0926				START TIME						
0935	8.11'	NA	240	2.2	21.4	831	6.11	121	3.46	291
0940	8.24'		214	3.3	20.8	815	6.20	111	3.25	188
0945	8.24'		231	4.5	20.7	813	6.25	93	2.95	135
0950	8.21'		214	5.6	20.9	814	6.27	78	2.60	133
0955	8.15'		222	6.7	21.0	819	6.29	70	2.31	323
1000	8.25'		200	7.7	20.9	826	6.31	52	1.92	831
1005	8.19'		214	8.8	20.9	831	6.32	47	1.72	1233
1010	8.15'		214	9.9	20.9	835	6.33	71	1.53	1390
1015	8.17'		250	11.2	21.0	838	6.34	87	1.39	1,345
1020	8.31'		240	12.4	20.9	840	6.35	89	1.21	1,195
1025	8.36'		250	13.7	20.9	842	6.35	85	1.12	1,097
1030	8.37'		222	14.8	20.9	842	6.36	80	1.04	892
1035	8.34'		240	16.0	21.0	844	6.36	77	0.96	771
1040	8.35'		261	17.3	21.0	846	6.37	69	0.85	644
1045	8.35'		250	18.6	21.0	846	6.37	65	0.79	513
1050	8.34'		231	19.8	21.0	848	6.38	60	0.73	463
1055	8.30'		222	20.9	21.1	848	6.38	56	0.69	355
1100	8.33'		222	22.0	21.1	848	6.38	54	0.65	283
1105	8.33'		240	23.2	21.1	850	6.39	52	0.62	194
1110	8.33'		214	24.3	21.3	849	6.39	51	0.59	159
1115	8.30'		222	25.4	21.1	851	6.40	52	0.57	99
1120	8.28'		200	26.4	21.2	852	6.40	48	0.55	72
1125	8.29'		240	27.6	21.6	852	6.41	50	0.53	63
1130	8.31'		214	28.7	21.6	852	6.41	50	0.52	48

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____

Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____

Odor: None / (Describe) _____

Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____

Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~ice~~ HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

Comments: Purge H2O was very silty and red.

OVM Rreadings On Well: ND

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-108 (cont.)	
Project Number: 2005.045		

Well Measurement Data

Date:	Time:	Sampler(s):	Weather:

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL		+	=
Depth to Water		+	=
Depth to DNAPL		+	=
Depth to Bottom		+	=

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: _____ DNAPL Thickness: _____

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet):	**DTW Prior To Purge (ft.):**	**Purging/Sampling Device:** Grundfos / Peristaltic / Bladder / Other_____
Sampler(s):	**DTW After Sampling (ft.):**	**Date Sampled:**

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1135	8.29'	NA	214	29.8	21.6	853	6.42	52	0.50	35
1140	8.26'		214	30.9	21.7	853	6.42	53	0.50	25
1145	8.26'		214	32.0	21.8	857	6.42	51	0.49	25
1150	8.25'		207	33.0	21.7	857	6.44	51	0.50	26
1200				SAMPLE		TIME				

Total Volume Purged = 33.0 Liters or 8.7 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Comments:

OVM Rreadings On Well:

Container	Number	Pres.	Analysis
40 mL VOAs	2	HCl	VOCs by 8260
1L Amber	1	ICE	CT ETPH
500 mL Plastic	1	HNO_3	Total Lead
500 mL Plastic	1	NaOH	Cyanide

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-107	JTP050808-04
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 Time: 1240 Sampler(s): JTP Weather: hot, humid 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	6.59'	+ -	= 6.59'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.30'	+ -	= 14.30'

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes JTP
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~13.3' DTW Prior To Purge (ft.): 6.61' Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP DTW After Sampling (ft.): 6.69' Date Sampled: 8/8/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1253	START TIME									
1300	7.03'	NA	214	1.5	22.1	1798	6.35	167	1.30	119
1305	7.04'		207	2.5	21.7	1781	6.34	162	0.89	47
1310	7.03'		182	3.4	21.7	1769	6.34	158	0.76	25
1315	7.00'		171	4.3	22.0	1765	6.34	155	0.71	16
1320	6.99'		171	5.2	22.5	1756	6.33	153	0.66	13
1325	6.98'		171	6.1	22.8	1759	6.34	152	0.63	10
1330	6.96'		162	6.9	22.9	1759	6.34	152	0.62	8
1335	6.96'		150	7.7	22.9	1760	6.36	151	0.60	4
1340	6.95'		150	8.5	23.1	1759	6.34	149	0.60	5
1345	SAMPLE TIME									

Total Volume Purged 8.5 Liters or 2.3 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~ICE~~ Hg JTP	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

Comments: purged H2O slightly silty, brown

OVM Rreadings On Well: NO

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-109	JTP050809-05
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 Time: 1315 Sampler(s): JTP Weather: hot humid 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	6.86'	+ -	= 6.86'
Depth to DNAPL	NA	+	=
Depth to Bottom	13.87'	+ -	= 13.87'

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~12.9' DTW Prior To Purge (ft.): 7.59' Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP DTW After Sampling (ft.): 7.59' Date Sampled: 8/9/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0920				START TIME						
0925	7.62'	NA	316	1.6	20.6	1,634	6.52	-103	2.04	213
0930	7.63'		333	3.3	19.5	1,549	6.54	-109	1.32	104
0935	7.63'		300	4.8	19.4	1,341	6.54	-100	1.10	40
0940	7.63'		316	6.4	19.6	1,210	6.55	-91	1.02	21
0945	7.62'		273	7.8	19.8	1,153	6.56	-84	0.95	15
0950	7.62'		300	9.3	20.0	1,115	6.57	-79	0.90	12
0955	7.61'		300	10.8	20.0	1,086	6.57	-74	0.88	9
1000	7.61'		273	12.2	20.0	1,061	6.58	-70	0.86	7
1005	7.61'		273	13.6	20.2	1,045	6.58	-66	0.87	7
1010	7.61'		240	14.8	20.2	1,036	6.59	-63	0.86	5
1015				SAMPLE TIME						

Total Purge Volume: 14.8 Liters or 3.9 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / Describe: sulfur/decay
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Readings On Well: NO

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	JT ~~ICE~~ HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall) Project Location: Meriden, CT Project Number: 2005.045	Monitoring Well I.D. MW-104	Sample Identification JTP050809-06

Well Measurement Data

Date: 8/5/05 | Time: 1100 | Sampler(s): JTP | Weather: hot, humid, 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	
Depth to Water	6.15'	+ –	= 6.15'
Depth to DNAPL	NA	+	
Depth to Bottom	19.40'	+ –	= 19.40'

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~13.5' | DTW Prior To Purge (ft.): 6.80' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP | DTW After Sampling (ft.): 8.61' | Date Sampled: 8/9/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1106					START TIME					
1110	7.39'	NA	333	1.3	20.6	934	6.60	-3	1.54	207
1115	7.80'		261	2.6	20.5	916	6.55	-2	1.13	165
1120	8.22'		250	3.9	21.0	918	6.49	-42	1.13	108
1125	8.60'		200	4.9	21.5	925	6.47	-70	1.34	71
↓	Decreased	Flow	Rate							
1130	8.90'		188	5.8	21.9	925	6.47	-78	1.34	53
1135	9.15'		167	6.6	22.4	922	6.48	-81	1.40	41
1140	9.32		167	7.4	22.6	922	6.49	-81	1.48	39
1145	9.48		162	8.2	22.6	927	6.51	-81	1.51	42
1150	9.54	↓	150	9.0	22.6	927	6.54	-79	1.53	43
1155					SAMPLE TIME					

Total Volume Purged = 9.0 Liters or 2.4 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Rreadings On Well: NO

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~ICE~~ HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-101	JTP050809-07
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 Time: 1115 Sampler(s): JTP Weather: hot, humid, 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	9.78'	+ –	= 9.78'
Depth to DNAPL	NA	+	=
Depth to Bottom	19.41'	+ –	= 19.41'

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): N18' DTW Prior To Purge (ft.): 10.18' Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other_____
Sampler(s): JTP DTW After Sampling (ft.): 12.38' Date Sampled: 8/9/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1242					START	TIME				
1245	11.01	NA	333	1.0	20.8	1,198	6.77	48	1.84	50
1250	11.30		333	2.7	19.6	1,187	6.74	51	1.42	30
*	Decreased	Flow	Rate							
1255	11.40		162	3.5	19.8	1,175	6.75	52	1.36	19
1300	11.68		158	4.3	20.0	1,180	6.76	55	1.57	18
1305	11.98		143	5.0	20.7	1,182	6.77	0	1.70	15
1310	12.09		126	5.6	21.2	1,199	6.78	-30	1.73	14
1315	12.15		118	6.2	21.6	1,218	6.79	-46	1.76	13
*	Increased	Flow	Rate		21.6	1,232				
1320	12.23		136	6.9	↓	↓	6.81	-54	1.94	16
1325	12.30		133	7.6	21.2	1,233	6.81	-59	1.97	24
1330	12.34		143	8.3	21.3	1,232	6.82	-61	1.97	30
1335	12.38		125	8.9	21.2	1,234	6.83	-61	1.96	39
1340	12.38		125	9.5	21.5	1,225	6.84	-61	1.95	43
1345	12.39	↓	133	10.2	21.8	1,222	6.84	-60	2.00	41
1350					SAMPLE	TIME				
		Total	Volume	Purged	10.2	Liters	or	2.7	Gallons	

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Readings On Well: NO

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~ICE~~ HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	TB-~~1~~2	JTP050809-08
Project Number: 2005.045		

Sample Data

Date: 8/9/05 Time: 1400 Sampler(s): JTP Weather: cloudy, humid, 80s

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: ~~Distilled (CEE) / Organic Free (Laboratory)~~ / Other NA

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-102	JTP050810-09
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 | Time: 1110 | Sampler(s): JTP | Weather: hot, humid, 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.73'	+ –	= 8.73'
Depth to DNAPL	NA	+	=
Depth to Bottom	15.02'	+ –	= 15.02'

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~~NA~~ 13.5 | DTW Prior To Purge (ft.): 9.07' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP, MLF | DTW After Sampling (ft.): 12.03' | Date Sampled: 8/10/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0908	START TIME									
0915	9.55'	NA	250	1.8	23.2	2088	6.67	134	1.81	189
0920	10.82'		214	2.9	22.6	2076	6.68	121	1.00	98
0925	11.72'		176	3.8	23.2	2111	6.69	109	0.85	70
0930	11.95'		88	4.2	24.1	2133	6.71	86	0.81	60
*	Decreased Flow Rate				25				0.86	
0935	12.02'		80	4.6	25.1	2161	6.72	65	↓	56
*	Increased Flow Rate									
0940	12.08'		103	5.1	26.0	2173	6.73	53	0.91	54
0945	12.26'	↓	97	5.6	26.3	2178	6.73	34	0.92	49
0950	SAMPLE TIME									

* well did not stabilize, pumped as close to 100 mL/min as possible and still drew it down no less than one foot of water from the intake.

Total Volume Purged = 5.6 Liters or 1.5 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~w/ ICE~~ HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

Comments: Low Recharge.

OVM Rreadings On Well: ND

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	TB-~~1~~ 3	JTP050810-11
Project Number: 2005.045		

Sample Data

Date: 8/10/05 Time: 1200 Sampler(s): JTP Weather: hot, 90s

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What ~~Type of Water~~ Used: Distilled (CEE) / Organic Free (Laboratory) / Other NA

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall) Project Location: Meriden, CT Project Number: 2005.045	Monitoring Well I.D. MW-4	Sample Identification JTP050810-10

Well Measurement Data

Date: 8/5/05 | Time: 1125 | Sampler(s): JTP | Weather: hot, humid 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.09'	+ -	= 8.09'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.09'	+ -	= 14.09'

Comments: 4" well

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 13' | DTW Prior To Purge (ft.): 8.45' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP, MLE | DTW After Sampling (ft.): 8.48' | Date Sampled: 8/10/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1044					START TIME					
1050	8.54'	NA	285	1.7	22.9	1162	6.54	163	1.89	19
1055	8.52'		285	3.1	21.4	1,124	6.50	152	1.57	7
1100	8.52'		250	4.4	21.6	1,108	6.51	131	1.68	6
1105	8.51'		273	5.8	21.7	1,097	6.52	106	1.89	5
1110	8.51'		250	7.1	21.9	1,020	6.54	81	1.98	4.5
1115	8.51'		231	8.3	22.0	1,016	6.58	76	1.92	4.9
1120	8.51'		250	9.6	22.3	1,064	6.56	53	1.89	4.1
1125	8.51'		286	11.0	22.3	1,064	6.58	42	1.91	4.9
1130	8.51'		286	12.4	22.4	1,059	6.58	51	1.90	3.5
1135	8.51'		273	13.8	22.4	1,054	6.59	51	1.92	3.7
1145					SAMPLE TIME					

Total Volume Purged = 13.8 Liters or 3.7 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Readings On Well: OVM : ND

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	JT ICE HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-4	JTP050810-10
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 | Time: 1125 | Sampler(s): JTP | Weather: hot, humid 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.09'	+ -	= 8.09'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.09'	+ -	= 14.09'

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Comments: 4" well

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 13' | DTW Prior To Purge (ft.): 8.45' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP, MLE | DTW After Sampling (ft.): 8.48' | Date Sampled: 8/10/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1044					START TIME					
1050	8.54'	NA	285	1.7	22.9	1,162	6.54	163	1.89	19
1055	8.52'		285	3.1	21.4	1,124	6.50	152	1.57	7
1100	8.52'		250	4.4	21.6	1,108	6.51	131	1.68	6
1105	8.51'		273	5.8	21.7	1,097	6.52	106	1.89	5
1110	8.51'		250	7.1	21.9	1,020	6.54	81	1.98	4.5
1115	8.51'		231	8.3	22.0	1,016	6.58	76	1.92	4.9
1120	8.51'		250	9.6	22.3	1,064	6.56	53	1.89	4.1
1125	8.51'		286	11.0	22.3	1,064	6.58	42	1.91	4.9
1130	8.51'		286	12.4	22.4	1,059	6.58	51	1.90	3.5
1135	8.51'		273	13.8	22.4	1,054	6.59	51	1.92	3.7
1145					SAMPLE TIME					

Total Volume Purged = 13.8 Liters or 3.7 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	JT ICE HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

Comments:

OVM Rreadings On Well: OVM : ND

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-3	JTP050810-12
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 Time: 1135 Sampler(s): JTP Weather: hot, humid, 90s

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	6.19'	+ –	= 6.19'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.45'	+ –	= 14.45'

Comments: 4" diameter well

Measuring Device: Interface Probe / Tape / Sinco / Other _____

Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None

Well Cap: Good / Broken / Rusted / None

Well I.D.: Visible / Illegible / None

Cement Collar: OK / Cracked / Heaved / None

Lock: Good / Broken / Rusted / None

Comments:

Inside

PVC Casing: OK / Damaged / None

Is PVC Plumb? Yes / No

H2O between PVC and Steel? No / Yes

Evidence of: None / Spiders / Rodents / Bees, Wasps

Ponding Around Well? No / Yes

Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~14' DTW Prior To Purge (ft.): 6.23' Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____

Sampler(s): JTP, MLF DTW After Sampling (ft.): 6.33' Date Sampled: 8/10/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1215	START TIME									
1220	6.32'	NA	500	2.5	22.4	526	6.32	113	1.05	16.1
1225	6.32		500	5.0	21.9	542	6.23	48	0.73	11.0
1230	6.30'		462	7.3	22.1	569	6.25	4	0.59	7.0
1235	6.30'		462	9.6	22.4	583	6.25	-1	0.51	6.6
1240	6.30'		400	11.6	22.5	596	6.26	0	0.47	5.7
1245	6.29'		353	13.4	22.6	603	6.28	-18	0.44	4.8
1250	6.29'		400	15.4	22.7	608	6.29	1	0.43	4.4
1255	6.28'		353	17.2	22.8	615	6.31	2	0.42	4.0
1300	6.28'		375	19.1	22.9	621	6.32	1	0.41	4.5
1310	SAMPLE TIME									

Total Volume Purged = 19.1 Liters or 5.1 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____

Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____

Odor: None / (Describe) _____

Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____

Sheen: None / (light / heavy) / (hydrocarbon / organic)

Comments:

OVM Rreadings On Well: NO

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	~~ICE~~ Hcl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-106	JTP050812-14
Project Number: 2005.045		

Well Measurement Data

Date: 8/5/05 | Time: 1215 | Sampler(s): JTP | Weather: hot, humid, 90's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	5.28'	+ -	= 5.28'
Depth to DNAPL	NA	+	=
Depth to Bottom	12.78'	+ -	= 12.78'

Measuring Device: Interface Probe / Tape / Sinco / Other _____

Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None

Well Cap: Good / Broken / Rusted / None

Well I.D.: Visible / Illegible / None

Cement Collar: OK / Cracked / Heaved / None

Lock: Good / Broken / Rusted / None

Comments:

Inside

PVC Casing: OK / Damaged / None

Is PVC Plumb? Yes / No

H2O between PVC and Steel? No / Yes

Evidence of: None / Spiders / Rodents / Bees, Wasps

Ponding Around Well? No / Yes

Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): ~12' | DTW Prior To Purge (ft.): 5.75' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____

Sampler(s): JTP, MLF | DTW After Sampling (ft.): 5.75' | Date Sampled: 8/12/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0923	START TIME									
0930	5.80	NA	375	2.6	19.6	1,093	7.04	198	1.43	104.4
0935	5.80	↓	353	4.4	19.4	1,049	6.93	182	1.07	60.5
0940	5.80		316	6.0	19.5	1,028	6.92	175	0.99	31.0
0945	5.79		333	7.7	19.9	1012	6.91	167	0.93	20.6
0950	5.79		333	9.4	20.3	1,011	6.92	160	0.90	16.4
0955	5.78		286	10.8	20.5	999	6.91	151	0.89	10.4
1000	5.78		273	12.2	20.6	993	6.91	148	0.91	10.4
1005	5.78	↓	273	13.6	20.8	992	6.91	144	0.92	10.0
1010	SAMPLE TIME									

Total Volume Purged: 13.6 Liters or 3.6 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____

Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____

Odor: None / (Describe) _____

Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____

Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
40 mL VOAs	2 ✓	HCl	VOCs by 8260
1L Amber	1 ✓	or ICE HCl	CT ETPH
500 mL Plastic	1 ✓	HNO3	Total Lead
500 mL Plastic	1 ✓	NaOH	Cyanide

Comments:

OVM Rreadings On Well: 5.5 ppm

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	TB-4	JTP050812-15
Project Number: 2005.045		

Sample Data

Date: 8/12/05 Time: 0945 Sampler(s): JTP Weather: Cloudy 80s

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: ~~Distilled (CEE)~~ / Organic Free (Laboratory) / Other NA

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-11**	**CEC050913-157**
Project Number: 2005.045		

Sample Data

Date: 9/13/05 Time: 0900 Sampler(s): CEC Weather: Sunny 80's

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2 ✓	HCl	VOCs by 8260

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-14**	**CEC050913-158**
Project Number: 2005.045		

Sample Data

Date: 9/13/05 Time: 0910 Sampler(s): CEC Weather: Sunny 80's

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-47	CECOS 0913-159
Project Number: 2005.045		

Well Measurement Data

Date: 9/13/05 | Time: 0910 | Sampler(s): CEC/MLF | Weather: clear 80's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	5.96	+ –	= 5.96
Depth to DNAPL	NA	+	=
Depth to Bottom	14.91	+ –	= 14.91

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 13.6 | DTW Prior To Purge (ft.): 5.96 | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/MLF | DTW After Sampling (ft.): 6.04 | Date Sampled: 9/13/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0940			START	PURGE						
0945	5.96	N/A	90	0.45	26.1	1339	6.31	74	1.75	125.3
0950	6.04		124.2	1.07	24.9	1361	6.33	68	1.52	51
0955	6.03		122.7	1.68	24.7	1352	6.34	68	1.29	27.1
1000	6.03		114.7	2.25	24.6	1353	6.35	66	1.25	20.5
1005	6.04		285.7	3.68	24.8	1353	6.36	65	1.13	12.3
1010	6.04		105.6	4.21	25.0	1352	6.37	67	1.1	8.8
1015	6.04		103.0	4.72	25.1	1356	6.38	67	1.04	7.4
1020	6.05		122.1	5.33	25.2	1355	6.38	68	1.08	7.0
1025	6.04		115.4	5.91	25.1	1352	6.38	68	1.00	5.0
1030	6.04		121.1	6.52	25.0	1349	6.39	68	0.95	5.3
1035	6.04		134.4	7.19	24.8	1351	6.39	70	0.93	6.3
1040	6.04		133.2	7.86	24.8	1350	6.39	69	0.84	6.6
1045	6.04		140.4	8.56	24.8	1348	6.39	70	0.80	8.6
1050	6.04		132.9	9.22	24.7	1347	6.39	71	0.77	~~10.0~~ 11.0
1055	6.04		133.2	9.88	24.7	1347	6.40	71	0.72	14.4
1055			SAMPLED							

Total Volume Purged = 9.88 Liters or 2.61 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) Musty degraded Hydrocarbon
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
VOAs	2	HCl	VOC's by 8260

Comments:

OVM Rreadings On Well: NA

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-56	CEC050913 - 160
Project Number: 2005.045		

Well Measurement Data

Date: 9/13/05 | Time: 1135 | Sampler(s): CEC/MLF | Weather: Sunny 90's Humid

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.58	+ —	= 8.58
Depth to DNAPL	NA	+	=
Depth to Bottom	19.77	+ —	= 19.77

Comments:

Measuring Device: Interface Probe / Tape / Slinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 18.25 | DTW Prior To Purge (ft.): 8.72 | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/MLF | DTW After Sampling (ft.): 8.69 | Date Sampled: 9/13/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1155	START PURGE									
1200	8.72	N/A	132.6	0.66	23.6	1276	6.51	27	2.25	475
1205	8.72		120.7	1.26	22.9	1402	6.46	43	1.70	300
1210	8.69		105.0	1.79	23.1	1469	6.45	45	1.40	154
1215	8.69		97.4	2.28	23.3	1509	6.45	45	1.22	93.8
1220	8.74		165.1	3.11	22.9	1527	6.45	39	1.13	71.4
1225	8.78		159.7	3.91	22.2	1531	7.56	39	0.86	100.6
1230	8.72		108.5	4.45	22.2	1534	6.46	42	0.73	91.1
1235	8.70		108.5	4.99	23.1	1539	6.47	40	0.65	88.8
1240	8.67		102.6	5.53	23.5	1543	6.48	38	0.64	59.3
1245	8.67		99.9	6.06	23.6	1540	6.48	32	0.59	52.3
1250	8.67		96.1	6.56	23.7	1544	6.49	25	0.59	33.6
1255	8.67		116.5	7.04	23.7	1543	6.49	25	0.59	26.0
1300	8.67		114.3	7.62	23.3	1539	6.49	23	0.58	23.6
1305	8.67		101.7	8.19	23.6	1538	6.49	23	0.57	19.4
1310	8.67		114.0	8.70	23.4	1535	6.49	20	0.56	19.2
1315	8.69		115.7	9.27	23.7	1539	6.50	15	0.54	19.2
1320	8.69		117.4	9.85	23.0	1530	6.50	14	0.53	22.0
1325	8.72		112.0	10.44	21.5	1530	6.50	12	0.51	19.9
1330	8.69		107.9	11.00	23.6	1525	6.50	11	0.51	20.9
1335	8.71		112.7	11.56	23.7	1529	6.50	9	0.51	22.2
1340	8.69		109.0	12.11	23.7	1524	6.50	6	0.51	21.9
1340	- SAMPLED									

Total Volume Purged = 12.11 Liters or 3.20 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOAs	2 ✓	HCl	VOC's by 8260
500ml poly	1 ✓	HNO_3	Total Metals
1L Amber	1 ✓	ICE	SVOC's by 8270

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-12**	**CEC050914-161**
Project Number: 2005.045		

Sample Data

Date: 9/14/05 Time: 0910 Sampler(s): CEC Weather: cloudy 70's

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2	HCl	VOCs by 8260

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-15**	**CEC050914-162**
Project Number: 2005.045		

Sample Data

Date: 9/14/05 Time: 0915 Sampler(s): CFC Weather: Cloudy 70's

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall) Project Location: Meriden, CT Project Number: 2005.045	Monitoring Well I.D. MW-CEE-54	Sample Identification CEC050914-163

Well Measurement Data

Date: 9/14/05 | Time: 0930 | Sampler(s): CEC / KEB | Weather: Sunny 80's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	5.52	+ ~	= 5.52
Depth to DNAPL	NA	+	=
Depth to Bottom	17.22	+ ~	= 17.22

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 16 | DTW Prior To Purge (ft.): 5.55 | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB | DTW After Sampling (ft.): 5.59 | Date Sampled: 9/14/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1000	START PURGE									
1005	5.62	N/A	173.0	0.86	21.3	1073	6.48	106	2.08	360
1010	5.62		156.74	1.64	21.4	1072	6.53	104	1.83	205
1015	5.63		152.59	2.40	21.8	1053	6.57	103	1.53	122.1
1020	5.63		136.46	3.08	22.0	1013	6.61	94	1.26	69.1
1025	5.61		135.50	3.76	22.2	980	6.62	79	1.18	52.7
1030	5.59		138.63	4.45	22.3	964	6.63	67	1.12	48.6
1035	5.61		132.68	5.11	22.4	936	6.64	58	1.03	35.4
1040	5.58		131.69	5.77	22.5	921	6.65	55	1.00	29.4
1045	5.59		130.52	6.42	22.6	905	6.65	53	0.95	28.1
1050	5.59		131.06	7.08	22.6	898	6.67	64	0.93	24.7
1055	5.59		127.74	7.72	22.7	886	6.66	70	0.88	25.5
1100	5.59		127.92	8.36	22.8	879	6.66	72	0.87	27.4
1100	SAMPLED									

Total Volume Purged = 8.36 Liters or 2.21 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) Musty
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments: Slightly silty / suspended solids
OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOAs	2	HCl	VOC's 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT		
Project Number: 2005.045	MW-CEE-2	CEC050914-164

Well Measurement Data

Date: 9/14/05 Time: 1150 Sampler(s): CEC/KEB Weather: Sunny 80's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.45	+ —	= 8.45
Depth to DNAPL	NA	+	=
Depth to Bottom	19.99	+ —	= 19.99

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 18.75 DTW Prior To Purge (ft.): 8.45 Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB DTW After Sampling (ft.): 8.48 Date Sampled: 9/14/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1205	START PURGE									
1210	8.47	N/A	107.51	.538	18.0	615	7.18	133	4.47	124.3
1215	8.49	↓	124.35	1.160	17.3	619	7.15	128	3.94	57.2
1220	8.48		117.58	1.75	17.1	621	7.14	126	3.55	26.8
1225	8.48		115.18	2.32	17.0	624	7.12	125	3.29	16.2
1230	8.48		107.26	2.86	17.0	621	7.13	124	3.08	9.9
1235	8.48		99.29	3.35	17.1	623	7.13	123	2.93	8.1
1240	8.48		98.76	3.86	17.1	623	7.13	123	2.88	6.3
1245	SAMPLED									

Total Volume Purged = 3.86 liters or 1.02 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOAs	2 ✓	HCl	VOC's by 8260
1L Amber	1 ✓	ICE	SVOC's by 8270
500ml plastic	1 ✓	HNO_3	Total Metals

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall) Project Location: Meriden, CT Project Number: 2005.045	Monitoring Well I.D. MW-CEF-6	Sample Identification CEC050914-165

Well Measurement Data

Date: 9/14/05 | Time: 1330 | Sampler(s): CEC/KEB | Weather: Sunny 90's Humid

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.45	+ –	= 8.45
Depth to DNAPL	NA	+	=
Depth to Bottom	19.87	+ –	= 19.87

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 18.5 | DTW Prior To Purge (ft.): 8.63 | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB | DTW After Sampling (ft.): 8.62 | Date Sampled: 9/14/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1335				START PURGE						
1340	8.63	N/A	122.30	.61	16.9	644	6.42	132	2.09	100
1345	8.63		115.87	1.19	16.7	656	6.39	133	2.05	112.7
1350	8.63		101.57	1.70	16.6	666	6.39	134	1.88	107.1
1355	8.68		176.32	2.58	16.3	674	6.43	133	1.63	77.8
1400	8.66		138.12	3.27	16.2	678	6.47	130	1.40	67.3
1405	8.66		131.88	3.93	16.2	682	6.48	128	1.33	76.0
1410	8.63		147.13	4.67	16.3	683	6.50	126	1.24	78.4
1415	8.62		135.04	5.34	16.3	683	6.52	124	1.24	80.9
1420	8.63		141.61	6.05	16.4	683	6.55	123	1.22	49.5
1425	8.62		131.41	6.71	16.4	684	6.56	121	1.21	44.2
1430	8.61		127.31	7.35	16.5	685	6.57	121	1.23	39.7
1435	8.63		135.69	8.02	16.5	685	6.58	121	1.24	35.5
1440	8.63		140.65	8.72	16.5	685	6.58	121	1.20	36.0
1445	8.62		138.41	9.41	16.5	686	6.58	121	1.19	39.6
1450				SAMPLED						

Total Volume Purged = 9.41 Liters or 2.49 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)
Comments:

OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOA's	2 ✓	HCl	VOC's
500ml Poly	1 ✓	HNO_3	Total Metals
1L Amber	1 ✓	ICE	SVOC's

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-13**	**CEC050915-166**
Project Number: 2005.045		

Sample Data

Date: 9/15/05 Time: 0935 Sampler(s): CEC Weather: cloudy/Rainy 80's

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2 ✓	HCl	VOCs by 8260

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-16**	**CEC050915-167**
Project Number: 2005.045		

Sample Data

Date: 9/15/05 Time: 0940 Sampler(s): CEC Weather: cloudy / Rainy 80's

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-23	CEE050915-168
Project Number: 2005.045		

Well Measurement Data

Date: 9/15/05 Time: 1010 Sampler(s): CEC/KEB Weather: Rainy Humid 80's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.98	+ -	= 8.98
Depth to DNAPL	NA	+	=
Depth to Bottom	19.80	+ -	= 19.80

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside

PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 18.5 DTW Prior To Purge (ft.): 9.0 Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB DTW After Sampling (ft.): 9.0 Date Sampled: 9/15/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1030				START	PURGE					
1035	9.1	N/A	189.15	0.94	17.3	662	6.39	57	2.21	105
1040	9.1		140.88	1.64	16.8	643	6.32	54	1.97	62.4
1045	9.1		143.52	2.36	16.7	643	6.29	46	1.72	38.7
1050	9.03		127.15	2.99	16.7	642	6.28	41	1.56	24.9
1055	9.03		132.51	3.65	16.8	643	6.30	40	1.40	17.8
1100	9.07		121.83	4.26	16.8	647	6.31	41	1.29	13.6
1105	9.06		162.43	5.06	16.8	650	6.31	41	1.19	9.4
1110	9.06		146.10	5.80	16.8	651	6.32	40	1.10	7.6
1115	9.07		154.06	6.57	16.9	653	6.32	40	1.04	6.3
1120				SAMPLED						

Total Volume Purged = 6.57 Liters or 1.74 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light) / heavy) / (hydrocarbon / organic)
Comments: Film is cloudy white in PCB amber container
OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOAs	2 ✓	HCl	VOC's 8260
1L Amber	1 ✓	ICE	PCB's
500ml poly	2 ✓	HNO_3	Total Metals
1L Amber	1 ✓	ICE	SVOC's 8270
500ml poly	2 ✓	NaOH	CN

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT		
Project Number: 2005.045	MW-CEE-15	CEC050915-169

Well Measurement Data

Date: 9/15/05 | Time: 1235 | Sampler(s): CEC/KEB | Weather: 80's cloudy/Rainy

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.1	+ —	= 8.1
Depth to DNAPL	NA	+	=
Depth to Bottom	19.91	+ —	= 19.91

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 17.91 | DTW Prior To Purge (ft.): 8.0 | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB | DTW After Sampling (ft.): 8.0 | Date Sampled: 9/15/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1245	START PURGE									
1250	8.04	N/A	99.17	0.50	16.9	725	6.81	16	2.05	18.7
1255	8.04		121.98	1.11	16.9	725	6.77	33	1.91	14.1
1300	8.03		106.67	1.64	16.7	730	6.74	36	1.72	8.2
1305	8.03		106.67	2.17	16.8	732	6.72	34	1.62	5.5
1310	8.04		110.66	2.72	16.8	733	6.71	31	1.53	4.0
1315	SAMPLED									

Total Volume Purged = 2.72 Liters or 0.72 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Comments: Gross particulate material of unknown composition

OVM Readings On Well: NA

Container	Number	Pres.	Analysis
VOAs	2	HCl	VOCs 8260
1L Amber	1	ICE	PAH's
500ml poly	2	HNO_3	Total Metals

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-17**	**CEC050916-170**
Project Number: 2005.045		

Sample Data

Date: 9/16/05 Time: 0950 Sampler(s): CEC Weather: Rainy 70's

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2	HCl	VOCs by 8260

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-14**	**CEC050916-171**
Project Number: 2005.045		

Sample Data

Date: 9/16/05 Time: 0955 Sampler(s): CEC Weather: Rainy 70's

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-49	CEC050916-172
Project Number: 2005.045		

Well Measurement Data

Date: 9/16/05 Time: 0915 Sampler(s): CEE Weather: Rainy 70's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	7.21	+ —	= 7.21
Depth to DNAPL	NA	+	=
Depth to Bottom	14.82	+ —	= 14.82

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Comments:

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 13.75 DTW Prior To Purge (ft.): 7.21 Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): CEC/KEB DTW After Sampling (ft.): 7.26 Date Sampled: 9/16/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0920				START	PURGE					
0925	7.88	NA	176.0	0.88	21.7	1051	6.57	206	1.39	1051
0930	8.09		104.0	1.42	21.8	1051	6.58	190	1.17	833
0935	7.84		114.35	1.99	21.9	1050	6.58	170	1.10	565
0940	7.80		114.83	2.56	22.0	1053	6.58	157	1.00	358
0945	7.74		108.36	3.10	22.1	1052	6.58	146	0.96	232
0950	7.77		104.24	3.62	22.2	1049	6.59	141	0.90	148
0955	7.76		104.24	4.14	22.3	1046	6.59	139	0.86	71
1000	7.75		111.42	4.70	22.4	1043	6.60	137	0.75	43
1005	7.72		99.59	5.20	22.4	1043	6.60	137	0.75	29
1010	7.84		133.04	5.87	22.5	1041	6.60	136	0.78	21
1015	7.96		134.3	6.58	22.4	1041	6.60	138	0.70	22
1020	7.96		126.32	7.17	22.3	1042	6.60	139	0.69	29.8
1025	7.97		122.53	7.78	22.3	1043	6.61	144	0.62	50.09
1030	7.97		99.47	8.28	22.2	1050	6.61	146	0.61	60
1035	7.96		134.08	8.94	22.2	1054	6.61	148	0.57	37.4
1040	7.96		129.03	9.59	22.2	1054	6.61	148	0.58	29.0
1045	7.95		137.93	10.28	22.2	1055	6.61	148	0.59	23.8
1050	7.86		124.35	10.90	22.2	1056	6.61	148	0.55	20.3
1055	7.86		133.42	11.57	22.2	1056	6.61	147	0.55	22.7
1055				SAMPLED						

Total Volume Purged = 11.57 ~~Gallons~~ Liters or 3.06 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) Degraded Hydrocarbon
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
VOAs	2	HCl	VOCs 8260
500ml poly	2	HNO3	Total metals
1L Amber	1	ICE	SVOCs 8270

Comments: During sampling, water became increasingly silty possibly due to backflow from pump suction while pump was turned off between sample containers

OVM Rreadings On Well:

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-17	CEC050916-173
Project Number: 2005.045		

Well Measurement Data

Date: 9/16/05 | Time: 12 30 | Sampler(s): CEC/KEB | Weather: cloudy/Rainy 70's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.44	+ -	= 8.44
Depth to DNAPL	NA	+	=
Depth to Bottom	19.8	+ -	= 19.8

Comments:

Measuring Device: Interface Probe / Tape / (Sinco) / Other _____
Measuring Point: TPS / (PVC) / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: (Good) / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / (None)
Well Cap: (Good) / Broken / Rusted / None
Well I.D.: Visible / Illegible / (None)
Cement Collar: OK / Cracked / Heaved / (None)
Lock: Good / Broken / Rusted / (None)
Comments:

Inside
PVC Casing: (OK) / Damaged / None
Is PVC Plumb? (Yes) / No
H2O between PVC and Steel? (No) / Yes
Evidence of: (None) / Spiders / Rodents / Bees, Wasps
Ponding Around Well? (No) / Yes
Area Around Well Flagged? Yes / (No)

Purging & Stabilization

Pump Intake Depth (feet): 18.3 | DTW Prior To Purge (ft.): 8.44 | Purging/Sampling Device: Grundfos / (Peristaltic) / Bladder / Other _____
Sampler(s): CEC/KEB | DTW After Sampling (ft.): 8.43 | Date Sampled: 9/16/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1235			START	PURGE						
1240	8.45	N/A	67.44	0.34	19.1	646	6.44	164	5.11	288
1245	8.46		150.22	1.09	18.4	657	6.57	188	4.70	206
1250	8.46		85.71	1.52	18.1	661	6.61	187	4.34	145
1255	8.45		106.67	2.05	17.9	666	6.66	187	4.44	114.5
1300	8.45		103.84	2.60	17.8	667	6.68	184	4.33	69.1
1305	8.45		130.52	3.25	17.6	671	6.72	184	4.26	46.5
1310	8.47		120.07	3.85	17.4	671	6.73	178	4.22	30.1
1315	8.46		123.61	4.47	17.3	672	6.74	171	4.21	21.3
1320	8.47		124.69	5.09	17.4	671	6.75	166	4.13	18.5
1325	8.46		106.79	5.62	17.4	672	6.76	162	4.12	14.3
1330	8.46		105.32	6.15	17.6	671	6.77	152	4.23	12.6
1335	8.46		121.21	6.76	17.5	672	6.78	144	4.29	11.9
1340	8.47		133.90	7.43	17.4	673	6.78	139	4.24	~~12~~ 10.5
1345	8.45		134.74	8.10	17.3	672	6.78	136	4.20	9.8
1350	8.46		119.65	8.70	17.3	672	6.78	131	4.16	9.7
1355	8.46		119.17	9.30	17.4	672	6.79	123	4.12	9.5
1400			SAMPLED							

Total Volume Purged = 9.30 Liters or 2.5 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / (Pump Tubing) / Other _____
Appearance: Color: (Clear) / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) Slight petroleum odor
Turbidity: (Clear) / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: (None) / (light / heavy) / (hydrocarbon / organic)

Comments: During well development and tubing change, a strong petroleum odor was noted.

OVM Readings On Well:

Container	Number	Pres.	Analysis
VOAs	2 ✓	HCl	VOC's
A Liter	1 ✓	ICE	SVOC's
500ml/poly	2 ✓	HNO_3	Heavy Metals
Amber 1L	1 ✓	ICE	PCB's
500ml/poly	1 ✓	NaOH	CN

EQUIPMENT BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**EB-15**	**CEC050921-174**
Project Number: 2005.045		

Sample Data

Date: 9/21/05 Time: 0850 Sampler(s): CEC Weather: Sunny 70's

Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Equipment Used for E.B.: S.S. Bailer / Hand Auger / Split Spoon / Peri-Pump / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOAs	2 ✓	HCl	VOCs by 8260

TRIP BLANK FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: CT DEP (Meriden Mall)	Identification	Sample Number
Project Location: Meriden, CT	**TB-18**	**CEC050921-175**
Project Number: 2005.045		

Sample Data

Date: 9/21/05 Time: 0855 Sampler(s): CEC Weather: Sunny 70's

In-House TB / Laboratory Supplied (please specify) Spectrum

If In-House TB, What Type of Water Used: Distilled (CEE) / Organic Free (Laboratory) / Other _____

Comments	container	quantity	preservative	parameters
	40 mL VOA	2 ✓	HCl	VOCs by 8260

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CFE-8a	CEC050921-176
Project Number: 2005.045		

Well Measurement Data

Date: 9/21/05 | Time: 0855 | Sampler(s): CEC/JTP | Weather: Sunny 70's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	8.13'	+ -	= 8.13'
Depth to DNAPL	NA	+	=
Depth to Bottom	20.00'	+ -	= 20.00'

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 18.5 | DTW Prior To Purge (ft.): 8.13' | Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP/CEC | DTW After Sampling (ft.): 8.16' | Date Sampled: 9/21/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
0900	START PURGE									
0905	8.18	N/A	285.7	1.43	16.3	785	6.85	128	3.57	770
0910	8.18		272.7	2.79	16.0	782	6.78	134	3.39	606
0915	8.18		300	4.29	15.9	781	6.76	137	3.15	339
0920	8.17		231	5.44	16.0	781	6.75	145	2.75	161
0925	8.17		260.9	6.74	16.0	781	6.74	146	2.70	59
0930	8.17		240	7.94	16.0	781	6.74	149	2.56	34
0935	8.17		260.9	9.24	15.9	780	6.73	151	2.48	21
0940	8.17		300	10.74	15.9	781	6.73	151	2.43	13.7
0945	8.17		400	12.74	15.9	779	6.72	152	2.36	16.4
0950	8.18		315	14.32	15.8	777	6.72	151	2.31	85.3
0955	8.17		300	15.82	15.9	775	6.72	149	2.22	215
1000	8.17		261	17.12	15.9	775	6.72	150	2.20	111
1005	8.17		300	18.62	15.9	775	6.71	149	2.21	66
1010	8.18		300	20.12	15.9	775	6.72	148	2.20	44
1015	8.17		300	21.62	15.8	776	6.71	142	2.18	35
1020	8.18		315	23.20	15.8	774	6.72	141	2.19	52
1025	8.17		315	24.8	15.8	775	6.71	138	2.17	69
1030	8.18		300	26.3	15.8	773	6.71	136	2.16	65
1035	8.19		222	27.4	15.9	774	6.72	133	2.13	54
1040	8.18		230.8	28.6	15.9	775	6.72	127	2.21	27
1045	8.18		214.3	29.7	15.9	775	6.72	126	2.20	13.6
1050	8.19		202	30.8	15.9	775	6.72	121	2.18	7.8
1055	8.18		222	31.9	16.0	775	6.72	118	2.21	7.1
1100	8.18		260.9	33.2	16.0	774	6.72	116	2.18	6.3

SAMPLE

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) _____
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
VOAs	2	HCl	VOC's by 8260
1L Amber	2	ICE	PAH's, PCB's
500ml poly	2	HNO_3	Total Metals

Comments: Hydrocarbon odor noted during well development. as well as Hydrocarbon sheen in purge water from well development.

OVM Readings On Well:

Total Vol. Purged = 33.2 Liters or 8.77 Gallons

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-41	CEC050921-177
Project Number: 2005.045		

Well Measurement Data

Date: 9/21/05 Time: 1135 Sampler(s): CEC Weather: Sunny 70's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	6.47	+ –	= 6.47'
Depth to DNAPL	NA	+	=
Depth to Bottom	14.85	+ –	= 14.85'

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____
Measuring Point: TPS / PVC / Other _____
LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside
Steel Casing: OK / Bent / Damaged / None
Well Cap: Good / Broken / Rusted / None
Well I.D.: Visible / Illegible / None
Cement Collar: OK / Cracked / Heaved / None
Lock: Good / Broken / Rusted / None
Comments:

Inside
PVC Casing: OK / Damaged / None
Is PVC Plumb? Yes / No
H2O between PVC and Steel? No / Yes
Evidence of: None / Spiders / Rodents / Bees, Wasps
Ponding Around Well? No / Yes
Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 13.4 DTW Prior To Purge (ft.): 6.47 Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____
Sampler(s): JTP/CEC DTW After Sampling (ft.): ~~14.85~~ 6.5 Date Sampled: 9/21/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1140	START PURGE									
1145	6.70	NA	240	1.2	24.2	1100	6.53	-85	2.80	503
1150	6.70		231	2.35	24.0	1097	6.49	-84	~~1.91~~ 1.88	532
1155	6.69		187.5	3.28	24.6	1116	6.46	-86	1.60	475
1200	6.67		176.5	4.16	24.9	1118	6.45	-87	1.60	276
1205	6.66		166.7	5.0	25.0	1121	6.44	-88	1.62	182
1210	6.67		162.2	5.8	25.1	1119	6.43	-87	1.63	94
1215	6.65		162.2	6.6	25.1	1117	6.43	-86	1.64	79
1220	6.65		162.2	7.4	25.0	1117	6.42	-85	1.63	64
1220	6.65		167	8.23	25.0	1119	6.41	-85	1.64	47
1225	6.63		150	8.98	25.1	1117	6.41	-85	1.66	48.1
1230	6.63		162.2	9.79	25.1	1117	6.41	-84	1.63	39.2
1235	6.64		162.2	10.6	25.1	1117	6.41	-84	1.63	36.9
1240	6.64		150	11.4	25.1	1119	6.41	-84	1.64	33.5
1245	6.63		130	12.1	25.3	1119	6.41	-84	1.68	30.1
1250	6.65		136.4	12.8	25.4	1116	6.41	-84	1.74	27.9
1255	6.64		130	13.5	25.5	1119	6.41	-84	1.66	24.9
1300	6.63		133	14.2	25.7	1120	6.41	-84	1.63	23.9
1305	6.64		133	14.9	25.7	1120	6.41	-84	1.72	22.5
1305	SAMPLE									

Total Volume Purged = 14.9 Liters or 3.94 Gallons

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____
Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____
Odor: None / (Describe) Hydrocarbon Slight
Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____
Sheen: None / (light / heavy) / (hydrocarbon / organic)

Container	Number	Pres.	Analysis
VOAS	2	HCl	VOCs, 8260

Comments:

OVM Rreadings On Well: NA

MONITORING WELL FIELD DATA SHEET - Low-Flow Sampling

Project Name: Connecticut Department of Environmental Protection (Meriden Mall)	Monitoring Well I.D.	Sample Identification
Project Location: Meriden, CT	MW-CEE-31	CEC050921 -178
Project Number: 2005.045		

Well Measurement Data

Date: 9/21/05 Time: 1330 Sampler(s): CEC Weather: Sunny 80's

	Depth (ft.)	+ Corr. Factor (ft.)	= True DTW (ft.)
Depth to LNAPL	NA	+	=
Depth to Water	10.69	+ —	= 10.69
Depth to DNAPL	NA	+	=
Depth to Bottom	19.97	+ —	= 19.97

Comments:

Measuring Device: Interface Probe / Tape / Sinco / Other _____

Measuring Point: TPS / PVC / Other _____

LNAPL Thickness: NA DNAPL Thickness: NA

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None

Well Cap: Good / Broken / Rusted / None

Well I.D.: Visible / Illegible / None

Cement Collar: OK / Cracked / Heaved / None

Lock: Good / Broken / Rusted / None

Comments:

Inside

PVC Casing: OK / Damaged / None

Is PVC Plumb? Yes / No

H2O between PVC and Steel? No / Yes

Evidence of: None / Spiders / Rodents / Bees, Wasps

Ponding Around Well? No / Yes

Area Around Well Flagged? Yes / No

Purging & Stabilization

Pump Intake Depth (feet): 17.25 DTW Prior To Purge (ft.): 10.69 Purging/Sampling Device: Grundfos / Peristaltic / Bladder / Other _____

Sampler(s): CEC/JTP DTW After Sampling (ft.): 11.60 Date Sampled: 9/21/05

Time	Water Level (ft)	Pump Dial (Hz)	Pump Rate (mL/min)	Purge Volume (Liters)	Temp. (°C)	SC (uS/cm)	pH (SU)	ORP (mv)	DO (mg/L)	Turb. (NTU)
1330	START PURGE									
1335	11.72	NA	181.8	0.9	21.0	1348	6.90	-110	2.45	674
1340	11.40		103.4	1.42	21.4	1348	6.90	-111	1.91	714
1345	11.47		153.8	2.19	21.4	1345	6.89	-115	1.48	936
1350	11.47		150	2.94	21.4	1340	6.90	-122	1.19	882
1355	11.47		142	3.65	21.6	1336	6.93	-126	1.05	711
1400	11.48		162	4.46	21.7	1333	6.92	-128	0.96	597
1405	11.57		153.8	5.23	21.7	1332	6.92	-129	0.89	444
1410	11.52		142.9	5.94	21.4	1330	6.93	-132	0.78	262
1415	11.55		153.9	6.71	21.3	1332	6.94	-135	0.67	196
1420	11.56		150.	7.46	21.3	1331	6.95	-138	0.59	164
1425	11.57		153.8	7.23	21.2	1330	6.95	-138	0.58	134
1430	11.57		153.8	8.00	21.2	1336	6.95	-140	0.53	118
1435	11.58		157.9	8.79	21.3	1337	6.96	-141	0.50	106
1440	11.62		171.4	9.65	21.2	1342	6.96	-141	0.48	95
1445	11.63		166.7	10.48	20.7	1338	6.97	-143	0.43	97
1450	11.74		171.4	11.34	20.6	1340	6.97	-144	0.41	103
1455	11.72		187.5	12.28	20.4	1340	6.97	-145	0.40	101
		Sampled								
		Total Volume Purged = 12.28 Liters or 3.24 Gallons								

Sample Data

Field Decontamination: None / Submersible Pump / Pump Tubing / Other _____

Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other _____

Odor: None / (Describe) Slight Hydrocarbon

Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____

Sheen: None / (light / heavy) / (hydrocarbon / organic)

Comments:

OVM Rreadings On Well: NA

Container	Number	Pres.	Analysis
VOAS	2 ✓	HCl	VOC's 8260
1L Amber	1 ✓	ICE	SVOC's 8270
500ml poly	2 ✓	HNO_3	Total metals

Appendix 4

Laboratory Analysis of Soil

SA333

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

IW#50127792-911

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M. M. Winfield

Invoice To: M. Winfield
CEE
100 Shield St.
W. Hartford, CT
06110
P.O. No.:

David Ringquist
CT DEP
79 Elm St.
Hartford, CT
06106
RQN:

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State streets, Meriden, CT
State:
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MeOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: / Analyses:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH by CT Method	VOCs by 5035/8260	SVOCs by 8270	PAHs only by 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn +	Total Sb, Be, Tl, Vn	VOCs by 8260	SPLP PAHs	SPLP Cyanide	SPLP Metals	SPLP Cr, Pb, Ni, Zn	QA Reporting Notes (check if needed): State specific reporting standards (if applicable, please list below.) ☐ Provide MCP/CAM Report. Were all field QC requirements met as per MA DEP CAM Section 2.0? ☐ Yes ☐ No (Response required for CAM report)
SA 33315-01	JTP050829-16	8-29-05	0915 A.M.	G	S	8,9	3	2			X	X	X				X	X	X		X		X		
02	JTP050829-26	8-29-05	1045 P.M.	G	S	8,9	3	2			X	X	X				X	X	X			X		X	
03	JTP050829-32	8-29-05	1410 P.M.	G	S	8,9	3	2			X	X	X				X	X	X	X					X
04	JTP050829-19	8-29-05	1010 A.M.	G	W	2	2													X					
05	JTP050829-35	8-29-05	1600 A.M.	G	W	2	2													X					

ADDED ANALYSIS per client fax 9/7/05

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 9C

Relinquished by:	Received by:	Date:	Time:
Joseph T. Pelch III		8/30/05	11:18
	Marcel Mulcahy	8/30/05	1515

AOC-11 Coo Lin

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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Supplemental

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield CEE
100 Shield St.
W. Hartford, CT 06110
P.O. No.:

David Ringquist
CT DEP
79 Elm St.
Hartford, CT 06106
RQN:

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets Meriden, CT
State:
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed) X Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		SPLP PAHs 1312/8270C	SPLP SVOCs 1312/8270	SPLP Cd, Cr	SPLP Pb, Hg, Ni, Ag, Zn	SPLP Antimony, Cu	SPLP Cr, Pb, Vn			
A	33315-01	JTP050829-16	8-29-05	9:15	G	S	8,9	3	2				X		X	X					
A	33315-02	JTP050829-26	↓	10:45	G	S	8,9	3	2					X		X	X				
A	33315-03	JTP050829-32	↓	14:10	G	S	8,9	3	2				X					X			

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-1.

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-[illegible]-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
13-Sep-05 12:01

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: Meriden HUB - Meriden, CT
Project #: 2005-045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33315-01	JTP050829-16	Soil	29-Aug-05 09:15	30-Aug-05 15:15
SA33315-02	JTP050829-26	Soil	29-Aug-05 12:45	30-Aug-05 15:15
SA33315-03	JTP050829-32	Soil	29-Aug-05 14:10	30-Aug-05 15:15
SA33315-04	JTP050829-19	Water	29-Aug-05 10:10	30-Aug-05 15:15
SA33315-05	JTP050829-35	Water	29-Aug-05 16:00	30-Aug-05 15:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 52 pages of analytical data plus Chain of Custody document(s).
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Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-16 SA33315-01	2005-045	Soil	29-Aug-05 09:15	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	30-Aug-05	30-Aug-05	5082423	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	78.3 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
107-13-1	Acrylonitrile	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	39.2 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	19.6 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	39.2 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-16 SA33315-01	2005-045	Soil	29-Aug-05 09:15	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.9 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	39.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	39.2 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*80.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*87.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3550B						
8006-61-9	Gasoline	BRL	42.4 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	42.4 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	42.4 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	42.4 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	42.4 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	42.4 mg/kg dry	1	"	"	"	"	"	
	Unidentified	1,060	42.4 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	42.4 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	1,060	42.4 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	1,060	42.4 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*372*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090400	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method	SW846 3545A						

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-16 SA33315-01	2005-045	Soil	29-Aug-05 09:15	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
83-32-9	Acenaphthene	BRL	610 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
208-96-8	Acenaphthylene	2,840	610 µg/kg dry	2	"	"	"	"	"	
62-53-3	Aniline	BRL	610 µg/kg dry	2	"	"	"	"	"	
120-12-7	Anthracene	1,230	610 µg/kg dry	2	"	"	"	"	"	
1912-24-9	Atrazine	BRL	610 µg/kg dry	2	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	610 µg/kg dry	2	"	"	"	"	"	
92-87-5	Benzidine	BRL	610 µg/kg dry	2	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	8,540	610 µg/kg dry	2	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	6,620	610 µg/kg dry	2	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	6,250	610 µg/kg dry	2	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	3,520	610 µg/kg dry	2	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	5,170	610 µg/kg dry	2	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	610 µg/kg dry	2	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	610 µg/kg dry	2	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	610 µg/kg dry	2	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	610 µg/kg dry	2	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	610 µg/kg dry	2	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	610 µg/kg dry	2	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
86-74-8	Carbazole	BRL	610 µg/kg dry	2	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	610 µg/kg dry	2	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	610 µg/kg dry	2	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	610 µg/kg dry	2	"	"	"	"	"	
218-01-9	Chrysene	10,300	610 µg/kg dry	2	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	610 µg/kg dry	2	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	610 µg/kg dry	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	610 µg/kg dry	2	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	610 µg/kg dry	2	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	610 µg/kg dry	2	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	610 µg/kg dry	2	"	"	"	"	"	
206-44-0	Fluoranthene	9,220	610 µg/kg dry	2	"	"	"	"	"	
86-73-7	Fluorene	BRL	610 µg/kg dry	2	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	610 µg/kg dry	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-16 SA33315-01	2005-045	Soil	29-Aug-05 09:15	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
77-47-4	Hexachlorocyclopentadiene	BRL	610 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
67-72-1	Hexachloroethane	BRL	610 µg/kg dry	2	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	3,250	610 µg/kg dry	2	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	610 µg/kg dry	2	"	"	"	"	"	
78-59-1	Isophorone	BRL	610 µg/kg dry	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	610 µg/kg dry	2	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
91-20-3	Naphthalene	BRL	610 µg/kg dry	2	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	610 µg/kg dry	2	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	610 µg/kg dry	2	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2440 µg/kg dry	2	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2440 µg/kg dry	2	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	610 µg/kg dry	2	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	610 µg/kg dry	2	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	610 µg/kg dry	2	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2440 µg/kg dry	2	"	"	"	"	"	
85-01-8	Phenanthrene	3,030	610 µg/kg dry	2	"	"	"	"	"	
108-95-2	Phenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
9-00-0	Pyrene	23,000	610 µg/kg dry	2	"	"	"	"	"	
110-86-1	Pyridine	BRL	610 µg/kg dry	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	610 µg/kg dry	2	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	610 µg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*43.8*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*51.3*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62.3*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*43.5*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82.5*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*44.2*	*15-110 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521	"	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-16	2005-045	Soil	29-Aug-05 09:15	30-Aug-05
SA33315-01				

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
SPLP PAHs by SW846 1312/8270C			Prepared by method	SW846 3535						
86-73-7	Fluorene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.2*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*48.0*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	1.21	0.188 mg/kg dry	1	SW846 7471A	01-Sep-05	02-Sep-05	5082542	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	17.5	1.04 mg/kg dry	1	EPA 200.7	01-Sep-05	01-Sep-05	5082541	HB	
7440-38-2	Arsenic	3.37	1.56 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	126	0.519 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.478	0.208 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	2.55	0.260 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	18.0	0.519 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	234	0.519 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	46.7	0.519 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	88.7	0.779 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	4.15 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.56 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.56 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	32.2	0.519 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	302	0.519 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090394	CB	
7440-22-4	Silver	BRL	0.0100 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090453	HB	
7440-43-9	Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	12-Sep-05	5090454	YP	
7440-02-0	Nickel	0.0074	0.0050 mg/l	1	SW846 6010B	"	12-Sep-05	5090453	HB	
7439-92-1	Lead	0.0291	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	93.6	%	1	SM2540 G Mod.	01-Sep-05	01-Sep-05	5082522	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	30-Aug-05	30-Aug-05	5082423	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
67-64-1	Acetone	BRL	103 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
107-13-1	Acrylonitrile	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	51.4 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	25.7 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	51.4 µg/kg dry	1	"	"	"	"	"	
82-8	Isopropylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26	2005-045	Soil	29-Aug-05 12:45	30-Aug-05
SA33315-02				

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
1634-04-4	Methyl tert-butyl ether	BRL	5.1 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	51.4 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	51.4 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.1 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*75.2*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*82.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	42.5 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	42.5 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
	Unidentified	311	42.5 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	311	42.5 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	311	42.5 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*244*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090400	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
83-32-9	Acenaphthene	2,620	663 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
208-96-8	Acenaphthylene	1,870	663 µg/kg dry	2	"	"	"	"	"	
62-53-3	Aniline	BRL	663 µg/kg dry	2	"	"	"	"	"	
120-12-7	Anthracene	4,520	663 µg/kg dry	2	"	"	"	"	"	
1912-24-9	Atrazine	BRL	663 µg/kg dry	2	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	663 µg/kg dry	2	"	"	"	"	"	
92-87-5	Benzidine	BRL	663 µg/kg dry	2	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	9,550	663 µg/kg dry	2	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	7,260	663 µg/kg dry	2	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	5,940	663 µg/kg dry	2	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	2,580	663 µg/kg dry	2	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	6,790	663 µg/kg dry	2	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	663 µg/kg dry	2	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	663 µg/kg dry	2	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	663 µg/kg dry	2	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	663 µg/kg dry	2	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	663 µg/kg dry	2	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	663 µg/kg dry	2	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
86-74-8	Carbazole	1,970	663 µg/kg dry	2	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
6-47-8	4-Chloroaniline	BRL	663 µg/kg dry	2	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	663 µg/kg dry	2	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	663 µg/kg dry	2	"	"	"	"	"	
218-01-9	Chrysene	8,580	663 µg/kg dry	2	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	663 µg/kg dry	2	"	"	"	"	"	
132-64-9	Dibenzofuran	3,200	663 µg/kg dry	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	663 µg/kg dry	2	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	663 µg/kg dry	2	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	663 µg/kg dry	2	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	663 µg/kg dry	2	"	"	"	"	"	
206-44-0	Fluoranthene	21,300	663 µg/kg dry	2	"	"	"	"	"	
86-73-7	Fluorene	5,150	663 µg/kg dry	2	"	"	"	"	"	
-74-1	Hexachlorobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
7-68-3	Hexachlorobutadiene	BRL	663 µg/kg dry	2	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
77-47-4	Hexachlorocyclopentadiene	BRL	663 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
67-72-1	Hexachloroethane	BRL	663 µg/kg dry	2	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	2,990	663 µg/kg dry	2	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	1,690	663 µg/kg dry	2	"	"	"	"	"	
78-59-1	Isophorone	BRL	663 µg/kg dry	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	663 µg/kg dry	2	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
91-20-3	Naphthalene	BRL	663 µg/kg dry	2	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	663 µg/kg dry	2	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	663 µg/kg dry	2	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2650 µg/kg dry	2	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2650 µg/kg dry	2	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	663 µg/kg dry	2	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	663 µg/kg dry	2	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	663 µg/kg dry	2	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2650 µg/kg dry	2	"	"	"	"	"	
85-01-8	Phenanthrene	25,700	663 µg/kg dry	2	"	"	"	"	"	
108-95-2	Phenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
129-00-0	Pyrene	22,200	663 µg/kg dry	2	"	"	"	"	"	
110-86-1	Pyridine	BRL	663 µg/kg dry	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	663 µg/kg dry	2	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	663 µg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*65.7*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*59.7*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*83.0*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*57.3*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*90.4*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*61.5*	*15-110 %*		"	"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C			Prepared by method		SW846 3535					
83-32-9	Acenaphthene	6.40	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521	"	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
emivolatile Organic Compounds by GCMS										
SPLP Semivolatiles by SW846 1312/8270C			Prepared by method SW846 3535							
65-85-0	Benzoic acid	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
100-51-6	Benzyl alcohol	BRL	5.00 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 µg/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 µg/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	16.7	5.00 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	7.20	5.00 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
1-94-1	3,3'-Dichlorobenzidine	BRL	5.00 µg/l	1	"	"	"	"	"	
0-83-2	2,4-Dichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 µg/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	11.4	5.00 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 µg/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
09-2	3-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
SPLP Semivolatiles by SW846 1312/8270C			Prepared by method SW846 3535							
98-95-3	Nitrobenzene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
88-75-5	2-Nitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	19.4	5.00 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*60.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*60.2*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54.8*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*54.2*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76.8*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56.5*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.636	0.177 mg/kg dry	1	SW846 7471A	01-Sep-05	02-Sep-05	5082542	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	12.2	1.11 mg/kg dry	1	EPA 200.7	01-Sep-05	01-Sep-05	5082541	HB	
7440-38-2	Arsenic	8.94	1.66 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	90.7	0.554 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.482	0.221 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.288	0.277 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	9.52	0.554 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	444	0.554 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	24.0	0.554 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	43.0	0.831 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	68.3	1.66 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	32.2	0.554 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	184	0.554 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090394	CB	
7440-22-4	Silver	0.0134	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090453	HB	
7440-50-8	Copper	0.551	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00237	0.00040 mg/l	1	SW846 7470A	"	12-Sep-05	5090454	YP	
7440-02-0	Nickel	0.0486	0.0025 mg/l	1	SW846 6010B	"	12-Sep-05	5090453	HB	
7439-92-1	Lead	0.302	0.0038 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-26 SA33315-02	2005-045	Soil	29-Aug-05 12:45	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
7440-36-0	Antimony	0.124	0.0060 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090453	HB	
7440-62-2	Vanadium	0.0586	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.9	%	1	SM2540 G Mod.	01-Sep-05	01-Sep-05	5082522	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-32 SA33315-03	2005-045	Soil	29-Aug-05 14:10	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	30-Aug-05	30-Aug-05	5082423	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	112	92.4 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	VOC6
107-13-1	Acrylonitrile	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	46.2 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	23.1 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	46.2 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-32 SA33315-03	2005-045	Soil	29-Aug-05 14:10	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.6 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	46.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	46.2 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	4.8	4.6 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	12.8	4.6 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
0-20-7	m,p-Xylene	BRL	9.2 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*77.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*91.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	44.7 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	44.7 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	44.7 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	44.7 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	44.7 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	44.7 mg/kg dry	1	"	"	"	"	"	
	Unidentified	284	44.7 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	44.7 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	284	44.7 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	284	44.7 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*209*	*40-140 %*		"	"	"	"	"	S-02
mivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090400	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-32 SA33315-03	2005-045	Soil	29-Aug-05 14:10	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
83-32-9	Acenaphthene	686	571 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
208-96-8	Acenaphthylene	BRL	571 µg/kg dry	2	"	"	"	"	"	
62-53-3	Aniline	BRL	571 µg/kg dry	2	"	"	"	"	"	
120-12-7	Anthracene	2,000	571 µg/kg dry	2	"	"	"	"	"	
1912-24-9	Atrazine	BRL	571 µg/kg dry	2	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	571 µg/kg dry	2	"	"	"	"	"	
92-87-5	Benzidine	BRL	571 µg/kg dry	2	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	6,020	571 µg/kg dry	2	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	4,840	571 µg/kg dry	2	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	4,390	571 µg/kg dry	2	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	2,370	571 µg/kg dry	2	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	4,860	571 µg/kg dry	2	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	571 µg/kg dry	2	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	571 µg/kg dry	2	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	571 µg/kg dry	2	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	571 µg/kg dry	2	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	571 µg/kg dry	2	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	571 µg/kg dry	2	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
86-74-8	Carbazole	972	571 µg/kg dry	2	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	571 µg/kg dry	2	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	571 µg/kg dry	2	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	571 µg/kg dry	2	"	"	"	"	"	
218-01-9	Chrysene	5,120	571 µg/kg dry	2	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	571 µg/kg dry	2	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	571 µg/kg dry	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	571 µg/kg dry	2	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	571 µg/kg dry	2	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	571 µg/kg dry	2	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	571 µg/kg dry	2	"	"	"	"	"	
206-44-0	Fluoranthene	11,300	571 µg/kg dry	2	"	"	"	"	"	
86-73-7	Fluorene	1,250	571 µg/kg dry	2	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	571 µg/kg dry	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-32 SA33315-03	2005-045	Soil	29-Aug-05 14:10	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
77-47-4	Hexachlorocyclopentadiene	BRL	571 µg/kg dry	2	SW846 8270C	01-Sep-05	02-Sep-05	5090006		
67-72-1	Hexachloroethane	BRL	571 µg/kg dry	2	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	2,590	571 µg/kg dry	2	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	571 µg/kg dry	2	"	"	"	"	"	
78-59-1	Isophorone	BRL	571 µg/kg dry	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	571 µg/kg dry	2	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
91-20-3	Naphthalene	BRL	571 µg/kg dry	2	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	571 µg/kg dry	2	"	"	"	"	"	
99-09-2	3-Nitroaniline	618	571 µg/kg dry	2	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2280 µg/kg dry	2	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2280 µg/kg dry	2	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	571 µg/kg dry	2	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	571 µg/kg dry	2	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	571 µg/kg dry	2	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2280 µg/kg dry	2	"	"	"	"	"	
85-01-8	Phenanthrene	9,100	571 µg/kg dry	2	"	"	"	"	"	
108-95-2	Phenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
129-00-0	Pyrene	18,800	571 µg/kg dry	2	"	"	"	"	"	
110-86-1	Pyridine	BRL	571 µg/kg dry	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	571 µg/kg dry	2	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	571 µg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*56.9*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*81.9*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*81.6*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*53.1*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*106*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*57.6*	*15-110 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521	"	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-32	2005-045	Soil	29-Aug-05 14:10	30-Aug-05
SA33315-03				

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
SPLP PAHs by SW846 1312/8270C			Prepared by method	SW846 3535						
86-73-7	Fluorene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*59.0*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*47.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.263	0.181 mg/kg dry	1	SW846 7471A	01-Sep-05	02-Sep-05	5082542	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.09 mg/kg dry	1	EPA 200.7	01-Sep-05	01-Sep-05	5082541	HB	
7440-38-2	Arsenic	BRL	1.64 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	58.7	0.547 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.383	0.219 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.273 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	12.4	0.547 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	44.5	0.547 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	10.4	0.547 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	51.4	0.820 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.64 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.64 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.64 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	31.4	0.547 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	66.2	0.547 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	07-Sep-05	07-Sep-05	5090394	CB	
7440-47-3	Chromium	0.0070	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090453	HB	
7439-92-1	Lead	0.0600	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0082	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.3	%	1	SM2540 G Mod.	01-Sep-05	01-Sep-05	5082522	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-19 SA33315-04	2005-045	Water	29-Aug-05 10:10	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	01-Sep-05	01-Sep-05	5090026	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1034-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-19 SA33315-04	2005-045	Water	29-Aug-05 10:10	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	01-Sep-05	01-Sep-05	5090026	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*97.3*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-35 SA33315-05	2005-045	Water	29-Aug-05 16:00	30-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method		Volatiles					
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	01-Sep-05	01-Sep-05	5090026	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050829-35 SA33315-05	2005-045	Water	29-Aug-05 16:00	30-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	01-Sep-05	01-Sep-05	5090026	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97.7*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.3*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090026 - Volatiles										
Blank (5090026-BLK1)				Prepared & Analyzed: 01-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090026 - Volatiles										
Blank (5090026-BLK1)				Prepared & Analyzed: 01-Sep-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/l	*30.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*26.9*		µg/l	*30.0*		*89.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/l	*30.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*30.3*		µg/l	*30.0*		*101*	*70-130*			
LCS (5090026-BS1)				Prepared & Analyzed: 01-Sep-05						
Acetone	9.0		µg/l	20.0		45.0	0.671-198			
Acrylonitrile	21.4		µg/l	20.0		107	70-130			
Benzene	21.6		µg/l	20.0		108	70-130			
Bromobenzene	22.4		µg/l	20.0		112	70-130			
Bromochloromethane	20.2		µg/l	20.0		101	70-130			
Bromodichloromethane	21.2		µg/l	20.0		106	70-130			
Bromoform	21.6		µg/l	20.0		108	70-130			
Bromomethane	29.6		µg/l	20.0		148	64.5-146			QC-1
2-Butanone (MEK)	11.1		µg/l	20.0		55.5	14.3-172			
n-Butylbenzene	23.3		µg/l	20.0		116	70-130			
sec-Butylbenzene	23.9		µg/l	20.0		120	70-130			
tert-Butylbenzene	23.4		µg/l	20.0		117	70-130			
Carbon disulfide	21.2		µg/l	20.0		106	70-130			
Carbon tetrachloride	20.8		µg/l	20.0		104	70-130			
Chlorobenzene	22.7		µg/l	20.0		114	70-130			
Chloroethane	22.4		µg/l	20.0		112	66.3-135			
Chloroform	21.9		µg/l	20.0		110	70-130			
Chloromethane	27.6		µg/l	20.0		138	70-130			QC-2
2-Chlorotoluene	22.3		µg/l	20.0		112	70-130			
4-Chlorotoluene	22.8		µg/l	20.0		114	70-130			
1,2-Dibromo-3-chloropropane	19.6		µg/l	20.0		98.0	70-130			
Dibromochloromethane	20.7		µg/l	20.0		104	52.9-141			
1,2-Dibromoethane (EDB)	19.9		µg/l	20.0		99.5	70-130			
Dibromomethane	21.2		µg/l	20.0		106	70-130			
1,2-Dichlorobenzene	22.1		µg/l	20.0		110	70-130			
1,3-Dichlorobenzene	22.4		µg/l	20.0		112	70-130			
1,4-Dichlorobenzene	22.2		µg/l	20.0		111	70-130			
Dichlorodifluoromethane (Freon12)	32.6		µg/l	20.0		163	50.5-203			
1,1-Dichloroethane	23.5		µg/l	20.0		118	70-130			
1,2-Dichloroethane	21.5		µg/l	20.0		108	70-130			
1,1-Dichloroethene	23.9		µg/l	20.0		120	70-130			
cis-1,2-Dichloroethene	23.6		µg/l	20.0		118	70-130			
trans-1,2-Dichloroethene	24.4		µg/l	20.0		122	70-130			
1,2-Dichloropropane	21.9		µg/l	20.0		110	70-130			
1,3-Dichloropropane	20.6		µg/l	20.0		103	70-130			
2,2-Dichloropropane	22.5		µg/l	20.0		112	70-130			
1,1-Dichloropropene	22.2		µg/l	20.0		111	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090026 - Volatiles										
LCS (5090026-BS1)				Prepared & Analyzed: 01-Sep-05						
cis-1,3-Dichloropropene	22.1		µg/l	20.0		110	70-130			
trans-1,3-Dichloropropene	21.3		µg/l	20.0		106	70-130			
Ethylbenzene	22.8		µg/l	20.0		114	70-130			
Hexachlorobutadiene	22.6		µg/l	20.0		113	68.9-138			
2-Hexanone (MBK)	13.9		µg/l	20.0		69.5	70-130			QC-1
Isopropylbenzene	22.0		µg/l	20.0		110	70-130			
4-Isopropyltoluene	24.0		µg/l	20.0		120	70-130			
Methyl tert-butyl ether	21.6		µg/l	20.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	18.0		µg/l	20.0		90.0	51.5-134			
Methylene chloride	25.3		µg/l	20.0		126	70-130			
Naphthalene	21.0		µg/l	20.0		105	70-130			
n-Propylbenzene	23.6		µg/l	20.0		118	70-130			
Styrene	22.6		µg/l	20.0		113	70-130			
1,1,1,2-Tetrachloroethane	22.7		µg/l	20.0		114	70-130			
1,1,2,2-Tetrachloroethane	21.9		µg/l	20.0		110	70-130			
Tetrachloroethene	21.5		µg/l	20.0		108	70-130			
Toluene	21.9		µg/l	20.0		110	70-130			
1,2,3-Trichlorobenzene	20.6		µg/l	20.0		103	70-130			
1,2,4-Trichlorobenzene	21.3		µg/l	20.0		106	70-130			
1,1,1-Trichloroethane	20.7		µg/l	20.0		104	70-130			
1,1,2-Trichloroethane	21.2		µg/l	20.0		106	70-130			
Trichloroethene	22.8		µg/l	20.0		114	70-130			
Trichlorofluoromethane (Freon 11)	22.5		µg/l	20.0		112	70-143			
1,2,3-Trichloropropane	21.5		µg/l	20.0		108	70-130			
',2,4-Trimethylbenzene	22.9		µg/l	20.0		114	70-130			
.,3,5-Trimethylbenzene	22.0		µg/l	20.0		110	70-130			
Vinyl chloride	25.8		µg/l	20.0		129	70-130			
m,p-Xylene	47.3		µg/l	40.0		118	70-130			
o-Xylene	23.8		µg/l	20.0		119	70-130			
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/l	*30.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*29.5*		µg/l	*30.0*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*30.2*		µg/l	*30.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*31.7*		µg/l	*30.0*		*106*	*70-130*			
LCS Dup (5090026-BSD1)				Prepared & Analyzed: 01-Sep-05						
Acetone	7.8		µg/l	20.0		39.0	0.671-198	14.3	50	
Acrylonitrile	21.1		µg/l	20.0		106	70-130	0.939	25	
Benzene	21.5		µg/l	20.0		108	70-130	0.00	25	
Bromobenzene	21.6		µg/l	20.0		108	70-130	3.64	25	
Bromochloromethane	20.7		µg/l	20.0		104	70-130	2.93	25	
Bromodichloromethane	21.5		µg/l	20.0		108	70-130	1.87	25	
Bromoform	21.2		µg/l	20.0		106	70-130	1.87	25	
Bromomethane	26.9		µg/l	20.0		134	64.5-146	9.93	50	
2-Butanone (MEK)	12.7		µg/l	20.0		63.5	14.3-172	13.4	50	
n-Butylbenzene	23.0		µg/l	20.0		115	70-130	0.866	25	
sec-Butylbenzene	22.9		µg/l	20.0		114	70-130	5.13	25	
tert-Butylbenzene	21.9		µg/l	20.0		110	70-130	6.17	25	
Carbon disulfide	22.4		µg/l	20.0		112	70-130	5.50	25	
Carbon tetrachloride	20.8		µg/l	20.0		104	70-130	0.00	25	
Chlorobenzene	21.9		µg/l	20.0		110	70-130	3.57	25	
Chloroethane	21.9		µg/l	20.0		110	66.3-135	1.80	50	
Chloroform	21.7		µg/l	20.0		108	70-130	1.83	25	
ıloromethane	26.7		µg/l	20.0		134	70-130	2.94	25	QC-2
2-Chlorotoluene	21.7		µg/l	20.0		108	70-130	3.64	25	
4-Chlorotoluene	21.3		µg/l	20.0		106	70-130	7.27	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090026 - Volatiles										
LCS Dup (5090026-BSD1)				Prepared & Analyzed: 01-Sep-05						
1,2-Dibromo-3-chloropropane	21.5		µg/l	20.0		108	70-130	9.71	25	
Dibromochloromethane	20.6		µg/l	20.0		103	52.9-141	0.966	50	
1,2-Dibromoethane (EDB)	19.8		µg/l	20.0		99.0	70-130	0.504	25	
Dibromomethane	21.6		µg/l	20.0		108	70-130	1.87	25	
1,2-Dichlorobenzene	23.1		µg/l	20.0		116	70-130	5.31	25	
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130	1.80	25	
1,4-Dichlorobenzene	22.4		µg/l	20.0		112	70-130	0.897	25	
Dichlorodifluoromethane (Freon12)	32.0		µg/l	20.0		160	50.5-203	1.86	50	
1,1-Dichloroethane	23.4		µg/l	20.0		117	70-130	0.851	25	
1,2-Dichloroethane	21.3		µg/l	20.0		106	70-130	1.87	25	
1,1-Dichloroethene	20.9		µg/l	20.0		104	70-130	14.3	25	
cis-1,2-Dichloroethene	22.3		µg/l	20.0		112	70-130	5.22	25	
trans-1,2-Dichloroethene	22.5		µg/l	20.0		112	70-130	8.55	25	
1,2-Dichloropropane	22.4		µg/l	20.0		112	70-130	1.80	25	
1,3-Dichloropropane	20.2		µg/l	20.0		101	70-130	1.96	25	
2,2-Dichloropropane	22.6		µg/l	20.0		113	70-130	0.889	25	
1,1-Dichloropropene	21.2		µg/l	20.0		106	70-130	4.61	25	
cis-1,3-Dichloropropene	20.8		µg/l	20.0		104	70-130	5.61	25	
trans-1,3-Dichloropropene	21.0		µg/l	20.0		105	70-130	0.948	25	
Ethylbenzene	21.6		µg/l	20.0		108	70-130	5.41	25	
Hexachlorobutadiene	22.7		µg/l	20.0		114	68.9-138	0.881	50	
2-Hexanone (MBK)	14.5		µg/l	20.0		72.5	70-130	4.23	25	
Isopropylbenzene	20.1		µg/l	20.0		100	70-130	9.52	25	
4-Isopropyltoluene	22.7		µg/l	20.0		114	70-130	5.13	25	
Methyl tert-butyl ether	21.3		µg/l	20.0		106	70-130	1.87	25	
4-Methyl-2-pentanone (MIBK)	17.4		µg/l	20.0		87.0	51.5-134	3.39	50	
Methylene chloride	22.0		µg/l	20.0		110	70-130	13.6	25	
Naphthalene	21.8		µg/l	20.0		109	70-130	3.74	25	
n-Propylbenzene	22.1		µg/l	20.0		110	70-130	7.02	25	
Styrene	21.9		µg/l	20.0		110	70-130	2.69	25	
1,1,1,2-Tetrachloroethane	21.9		µg/l	20.0		110	70-130	3.57	25	
1,1,2,2-Tetrachloroethane	21.8		µg/l	20.0		109	70-130	0.913	25	
Tetrachloroethene	21.1		µg/l	20.0		106	70-130	1.87	25	
Toluene	21.2		µg/l	20.0		106	70-130	3.70	25	
1,2,3-Trichlorobenzene	21.3		µg/l	20.0		106	70-130	2.87	25	
1,2,4-Trichlorobenzene	21.2		µg/l	20.0		106	70-130	0.00	25	
1,1,1-Trichloroethane	20.5		µg/l	20.0		102	70-130	1.94	25	
1,1,2-Trichloroethane	21.3		µg/l	20.0		106	70-130	0.00	25	
Trichloroethene	21.4		µg/l	20.0		107	70-130	6.33	25	
Trichlorofluoromethane (Freon 11)	21.1		µg/l	20.0		106	70-143	5.50	50	
1,2,3-Trichloropropane	20.9		µg/l	20.0		104	70-130	3.77	25	
1,2,4-Trimethylbenzene	21.3		µg/l	20.0		106	70-130	7.27	25	
1,3,5-Trimethylbenzene	21.0		µg/l	20.0		105	70-130	4.65	25	
Vinyl chloride	24.5		µg/l	20.0		122	70-130	5.58	25	
m,p-Xylene	44.3		µg/l	40.0		111	70-130	6.11	25	
o-Xylene	22.8		µg/l	20.0		114	70-130	4.29	25	
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l	*30.0*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*29.1*		µg/l	*30.0*		*97.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*30.7*		µg/l	*30.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*31.8*		µg/l	*30.0*		*106*	*70-130*			
Matrix Spike (5090026-MS1)		**Source: SA33204-06**		Prepared & Analyzed: 01-Sep-05						
Benzene	23.4		µg/l	20.0	BRL	117	70-130			
Chlorobenzene	24.3		µg/l	20.0	BRL	122	70-130			
1,1-Dichloroethene	24.6		µg/l	20.0	BRL	123	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090026 - Volatiles										
Matrix Spike (5090026-MS1)		**Source: SA33204-06**		Prepared & Analyzed: 01-Sep-05						
Toluene	24.0		µg/l	20.0	BRL	120	70-130			
Trichloroethene	24.0		µg/l	20.0	BRL	120	70-130			
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/l	*30.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*29.9*		µg/l	*30.0*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*32.1*		µg/l	*30.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*32.4*		µg/l	*30.0*		*108*	*70-130*			
Matrix Spike Dup (5090026-MSD1)		**Source: SA33204-06**		Prepared & Analyzed: 01-Sep-05						
Benzene	23.3		µg/l	20.0	BRL	116	70-130	0.858	30	
Chlorobenzene	26.1		µg/l	20.0	BRL	130	70-130	6.35	30	
1,1-Dichloroethene	24.9		µg/l	20.0	BRL	124	70-130	0.810	30	
Toluene	24.4		µg/l	20.0	BRL	122	70-130	1.65	30	
Trichloroethene	24.8		µg/l	20.0	BRL	124	70-130	3.28	30	
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/l	*30.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*29.4*		µg/l	*30.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*31.7*		µg/l	*30.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*32.5*		µg/l	*30.0*		*108*	*70-130*			
Batch 5090027 - SW846 5035A Soil (low level)										
Blank (5090027-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
›romodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
ans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
Blank (5090027-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet	*50.0*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*49.9*		µg/kg wet	*50.0*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*58.1*		µg/kg wet	*50.0*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet	*50.0*		*102*	*70-130*			
LCS (5090027-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	14.7		µg/kg wet	20.0		73.5	0.663-201			
Acrylonitrile	21.7		µg/kg wet	20.0		108	70-130			
Benzene	21.1		µg/kg wet	20.0		106	70-130			
Bromobenzene	20.9		µg/kg wet	20.0		104	70-130			
Bromochloromethane	19.8		µg/kg wet	20.0		99.0	70-130			
Bromodichloromethane	20.0		µg/kg wet	20.0		100	70-130			
Bromoform	16.8		µg/kg wet	20.0		84.0	70-130			
Bromomethane	21.2		µg/kg wet	20.0		106	54-151			
2-Butanone (MEK)	19.1		µg/kg wet	20.0		95.5	6.66-154			
n-Butylbenzene	21.0		µg/kg wet	20.0		105	70-130			
sec-Butylbenzene	23.0		µg/kg wet	20.0		115	70-130			
tert-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130			
Carbon disulfide	19.5		µg/kg wet	20.0		97.5	70-130			
Carbon tetrachloride	18.0		µg/kg wet	20.0		90.0	70-130			
Chlorobenzene	21.0		µg/kg wet	20.0		105	70-130			
Chloroethane	23.3		µg/kg wet	20.0		116	64.5-148			
Chloroform	20.1		µg/kg wet	20.0		100	70-130			
Chloromethane	24.1		µg/kg wet	20.0		120	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090027 - SW846 5035A Soil (low level)										
LCS (5090027-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
2-Chlorotoluene	21.9		µg/kg wet	20.0		110	70-130			
4-Chlorotoluene	21.3		µg/kg wet	20.0		106	70-130			
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet	20.0		96.0	70-130			
Dibromochloromethane	17.1		µg/kg wet	20.0		85.5	52-148			
1,2-Dibromoethane (EDB)	19.5		µg/kg wet	20.0		97.5	70-130			
Dibromomethane	19.9		µg/kg wet	20.0		99.5	70-130			
1,2-Dichlorobenzene	21.4		µg/kg wet	20.0		107	70-130			
1,3-Dichlorobenzene	21.1		µg/kg wet	20.0		106	70-130			
1,4-Dichlorobenzene	20.6		µg/kg wet	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	28.5		µg/kg wet	20.0		142	60.6-196			
1,1-Dichloroethane	21.8		µg/kg wet	20.0		109	70-130			
1,2-Dichloroethane	20.8		µg/kg wet	20.0		104	70-130			
1,1-Dichloroethene	20.8		µg/kg wet	20.0		104	70-130			
cis-1,2-Dichloroethene	21.2		µg/kg wet	20.0		106	70-130			
trans-1,2-Dichloroethene	20.3		µg/kg wet	20.0		102	70-130			
1,2-Dichloropropane	21.7		µg/kg wet	20.0		108	70-130			
1,3-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130			
2,2-Dichloropropane	18.9		µg/kg wet	20.0		94.5	70-130			
1,1-Dichloropropene	21.5		µg/kg wet	20.0		108	70-130			
cis-1,3-Dichloropropene	19.4		µg/kg wet	20.0		97.0	70-130			
trans-1,3-Dichloropropene	18.8		µg/kg wet	20.0		94.0	70-130			
Ethylbenzene	21.7		µg/kg wet	20.0		108	70-130			
Hexachlorobutadiene	21.1		µg/kg wet	20.0		106	67-154			
2-Hexanone (MBK)	20.5		µg/kg wet	20.0		102	70-130			
Isopropylbenzene	21.1		µg/kg wet	20.0		106	70-130			
-Isopropyltoluene	22.4		µg/kg wet	20.0		112	70-130			
Methyl tert-butyl ether	20.1		µg/kg wet	20.0		100	70-130			
4-Methyl-2-pentanone (MIBK)	20.0		µg/kg wet	20.0		100	38.8-135			
Methylene chloride	20.3		µg/kg wet	20.0		102	70-130			
Naphthalene	24.7		µg/kg wet	20.0		124	70-130			
n-Propylbenzene	21.8		µg/kg wet	20.0		109	70-130			
Styrene	20.3		µg/kg wet	20.0		102	70-130			
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130			
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet	20.0		104	70-130			
Tetrachloroethene	19.2		µg/kg wet	20.0		96.0	70-130			
Toluene	20.6		µg/kg wet	20.0		103	70-130			
1,2,3-Trichlorobenzene	21.9		µg/kg wet	20.0		110	70-130			
1,2,4-Trichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,1,1-Trichloroethane	20.7		µg/kg wet	20.0		104	70-130			
1,1,2-Trichloroethane	21.1		µg/kg wet	20.0		106	70-130			
Trichloroethene	20.8		µg/kg wet	20.0		104	70-130			
Trichlorofluoromethane (Freon 11)	23.0		µg/kg wet	20.0		115	66.7-150			
1,2,3-Trichloropropane	21.1		µg/kg wet	20.0		106	70-130			
1,2,4-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130			
1,3,5-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130			
Vinyl chloride	25.0		µg/kg wet	20.0		125	70-130			
m,p-Xylene	42.8		µg/kg wet	40.0		107	70-130			
o-Xylene	21.6		µg/kg wet	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/kg wet	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.6*		µg/kg wet	*50.0*		*99.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
urrogate: Dibromofluoromethane	*48.6*		µg/kg wet	*50.0*		*97.2*	*70-130*			
LCS Dup (5090027-BSD1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	14.5		µg/kg wet	20.0		72.5	0.663-201	1.37	50	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
LCS Dup (5090027-BSD1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acrylonitrile	21.3		µg/kg wet	20.0		106	70-130	1.87	25	
Benzene	21.6		µg/kg wet	20.0		108	70-130	1.87	25	
Bromobenzene	20.7		µg/kg wet	20.0		104	70-130	0.00	25	
Bromochloromethane	20.4		µg/kg wet	20.0		102	70-130	2.99	25	
Bromodichloromethane	20.3		µg/kg wet	20.0		102	70-130	1.98	25	
Bromoform	17.3		µg/kg wet	20.0		86.5	70-130	2.93	25	
Bromomethane	21.8		µg/kg wet	20.0		109	54-151	2.79	50	
2-Butanone (MEK)	21.7		µg/kg wet	20.0		108	6.66-154	12.3	50	
n-Butylbenzene	21.1		µg/kg wet	20.0		106	70-130	0.948	25	
sec-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130	0.873	25	
tert-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130	0.00	25	
Carbon disulfide	20.3		µg/kg wet	20.0		102	70-130	4.51	25	
Carbon tetrachloride	19.0		µg/kg wet	20.0		95.0	70-130	5.41	25	
Chlorobenzene	21.8		µg/kg wet	20.0		109	70-130	3.74	25	
Chloroethane	24.3		µg/kg wet	20.0		122	64.5-148	5.04	50	
Chloroform	20.5		µg/kg wet	20.0		102	70-130	1.98	25	
Chloromethane	27.0		µg/kg wet	20.0		135	70-130	11.8	25	QC-1
2-Chlorotoluene	22.1		µg/kg wet	20.0		110	70-130	0.00	25	
4-Chlorotoluene	20.9		µg/kg wet	20.0		104	70-130	1.90	25	
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet	20.0		92.0	70-130	4.26	25	
Dibromochloromethane	17.2		µg/kg wet	20.0		86.0	52-148	0.583	50	
1,2-Dibromoethane (EDB)	20.1		µg/kg wet	20.0		100	70-130	2.53	25	
Dibromomethane	20.3		µg/kg wet	20.0		102	70-130	2.48	25	
1,2-Dichlorobenzene	21.6		µg/kg wet	20.0		108	70-130	0.930	25	
1,3-Dichlorobenzene	20.2		µg/kg wet	20.0		101	70-130	4.83	25	
1,4-Dichlorobenzene	20.9		µg/kg wet	20.0		104	70-130	0.966	25	
Dichlorodifluoromethane (Freon12)	30.0		µg/kg wet	20.0		150	60.6-196	5.48	50	
1,1-Dichloroethane	22.5		µg/kg wet	20.0		112	70-130	2.71	25	
1,2-Dichloroethane	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
1,1-Dichloroethene	21.6		µg/kg wet	20.0		108	70-130	3.77	25	
cis-1,2-Dichloroethene	21.7		µg/kg wet	20.0		108	70-130	1.87	25	
trans-1,2-Dichloroethene	21.0		µg/kg wet	20.0		105	70-130	2.90	25	
1,2-Dichloropropane	22.2		µg/kg wet	20.0		111	70-130	2.74	25	
1,3-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130	0.00	25	
2,2-Dichloropropane	19.3		µg/kg wet	20.0		96.5	70-130	2.09	25	
1,1-Dichloropropene	22.2		µg/kg wet	20.0		111	70-130	2.74	25	
cis-1,3-Dichloropropene	19.6		µg/kg wet	20.0		98.0	70-130	1.03	25	
trans-1,3-Dichloropropene	19.3		µg/kg wet	20.0		96.5	70-130	2.62	25	
Ethylbenzene	22.4		µg/kg wet	20.0		112	70-130	3.64	25	
Hexachlorobutadiene	19.0		µg/kg wet	20.0		95.0	67-154	10.9	50	
2-Hexanone (MBK)	19.3		µg/kg wet	20.0		96.5	70-130	5.54	25	
Isopropylbenzene	21.7		µg/kg wet	20.0		108	70-130	1.87	25	
4-Isopropyltoluene	23.3		µg/kg wet	20.0		116	70-130	3.51	25	
Methyl tert-butyl ether	20.5		µg/kg wet	20.0		102	70-130	1.98	25	
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet	20.0		97.0	38.8-135	3.05	50	
Methylene chloride	21.1		µg/kg wet	20.0		106	70-130	3.85	25	
Naphthalene	20.4		µg/kg wet	20.0		102	70-130	19.5	25	
n-Propylbenzene	21.6		µg/kg wet	20.0		108	70-130	0.922	25	
Styrene	21.9		µg/kg wet	20.0		110	70-130	7.55	25	
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
Tetrachloroethene	19.5		µg/kg wet	20.0		97.5	70-130	1.55	25	
Toluene	20.9		µg/kg wet	20.0		104	70-130	0.966	25	
1,2,3-Trichlorobenzene	18.5		µg/kg wet	20.0		92.5	70-130	17.3	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090027 - SW846 5035A Soil (low level)										
LCS Dup (5090027-BSD1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
1,2,4-Trichlorobenzene	17.5		µg/kg wet	20.0		87.5	70-130	15.3	25	
1,1,1-Trichloroethane	21.4		µg/kg wet	20.0		107	70-130	2.84	25	
1,1,2-Trichloroethane	21.0		µg/kg wet	20.0		105	70-130	0.948	25	
Trichloroethene	21.3		µg/kg wet	20.0		106	70-130	1.90	25	
Trichlorofluoromethane (Freon 11)	23.9		µg/kg wet	20.0		120	66.7-150	4.26	50	
1,2,3-Trichloropropane	20.9		µg/kg wet	20.0		104	70-130	1.90	25	
1,2,4-Trimethylbenzene	20.8		µg/kg wet	20.0		104	70-130	1.90	25	
1,3,5-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130	0.00	25	
Vinyl chloride	26.0		µg/kg wet	20.0		130	70-130	3.92	25	
m,p-Xylene	43.7		µg/kg wet	40.0		109	70-130	1.85	25	
o-Xylene	22.1		µg/kg wet	20.0		110	70-130	1.83	25	
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/kg wet	*50.0*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*48.8*		µg/kg wet	*50.0*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet	*50.0*		*96.4*	*70-130*			
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090009 - SW846 3550B										
Blank (5090009-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.08*		mg/kg wet	*3.33*		*62.5*	*40-140*			
LCS (5090009-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	57.4	13.3	mg/kg wet	93.3		61.5	40-140			
Surrogate: 1-Chlorooctadecane	*2.00*		mg/kg wet	*3.33*		*60.1*	*40-140*			
Duplicate (5090009-DUP1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Gasoline	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	30.0	mg/kg dry		BRL				50	
Motor Oil	BRL	30.0	mg/kg dry		BRL				50	
Aviation Fuel	BRL	30.0	mg/kg dry		BRL				50	
Unidentified	BRL	30.0	mg/kg dry		BRL				50	
Other Oil	BRL	30.0	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	BRL	30.0	mg/kg dry		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	30.0	mg/kg dry		BRL				50	
Surrogate: 1-Chlorooctadecane	*2.43*		mg/kg dry	*3.76*		*64.6*	*40-140*			
Matrix Spike (5090009-MS1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	69.3	14.8	mg/kg dry	104	BRL	66.6	40-140			
Surrogate: 1-Chlorooctadecane	*2.38*		mg/kg dry	*3.70*		*64.3*	*40-140*			
Matrix Spike Dup (5090009-MSD1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	66.7	14.8	mg/kg dry	104	BRL	64.1	40-140	3.83	30	
Surrogate: 1-Chlorooctadecane	*2.32*		mg/kg dry	*3.72*		*62.4*	*40-140*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090006 - SW846 3545A										
Blank (5090006-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
?-Chlorophenol	BRL	330	µg/kg wet							
-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3′-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
ophorone	BRL	330	µg/kg wet							
Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090006 - SW846 3545A										
Blank (5090006-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*4450*		µg/kg wet	*6670*		*66.7*	*30-130*			
Surrogate: 2-Fluorophenol	*4470*		µg/kg wet	*6670*		*67.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*4330*		µg/kg wet	*6670*		*64.9*	*30-130*			
Surrogate: Phenol-d5	*3920*		µg/kg wet	*6670*		*58.8*	*15-110*			
Surrogate: Terphenyl-dl4	*5790*		µg/kg wet	*6670*		*86.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3220*		µg/kg wet	*6670*		*48.3*	*15-110*			
LCS (5090006-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acenaphthene	5840	330	µg/kg wet	6670		87.6	40-130			
Acenaphthylene	5820	330	µg/kg wet	6670		87.3	40-130			
Aniline	7130	330	µg/kg wet	6670		107	40-130			
Anthracene	5270	330	µg/kg wet	6670		79.0	40-130			
Atrazine	5840	330	µg/kg wet	6670		87.6	40-130			
Azobenzene/Diphenyldiazine	6360	330	µg/kg wet	6670		95.4	40-130			
Benzidine	5480	330	µg/kg wet	6670		82.2	40-130			
Benzo (a) anthracene	4540	330	µg/kg wet	6670		68.1	40-130			
Benzo (a) pyrene	4390	330	µg/kg wet	6670		65.8	40-130			
Benzo (b) fluoranthene	4230	330	µg/kg wet	6670		63.4	40-130			
Benzo (g,h,i) perylene	3690	330	µg/kg wet	6670		55.3	40-130			
Benzo (k) fluoranthene	5450	330	µg/kg wet	6670		81.7	40-130			
Benzoic acid	3700	330	µg/kg wet	6670		55.5	40-130			
Benzyl alcohol	4320	330	µg/kg wet	6670		64.8	40-130			
Bis(2-chloroethoxy)methane	4890	330	µg/kg wet	6670		73.3	40-130			
Bis(2-chloroethyl)ether	6460	330	µg/kg wet	6670		96.9	40-130			
Bis(2-chloroisopropyl)ether	4270	330	µg/kg wet	6670		64.0	40-130			
Bis(2-ethylhexyl)phthalate	6430	330	µg/kg wet	6670		96.4	40-130			
4-Bromophenyl phenyl ether	4330	330	µg/kg wet	6670		64.9	40-130			
Butyl benzyl phthalate	6100	330	µg/kg wet	6670		91.5	40-130			
Carbazole	6000	330	µg/kg wet	6670		90.0	40-130			
4-Chloro-3-methylphenol	4370	330	µg/kg wet	6670		65.5	40-130			
4-Chloroaniline	6420	330	µg/kg wet	6670		96.3	40-130			
2-Chloronaphthalene	4890	330	µg/kg wet	6670		73.3	40-130			
2-Chlorophenol	3530	330	µg/kg wet	6670		52.9	40-130			
4-Chlorophenyl phenyl ether	6870	330	µg/kg wet	6670		103	40-130			
Chrysene	4710	330	µg/kg wet	6670		70.6	40-130			
Dibenzo (a,h) anthracene	3420	330	µg/kg wet	6670		51.3	40-130			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090006 - SW846 3545A										
LCS (5090006-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Dibenzofuran	4660	330	µg/kg wet	6670		69.9	40-130			
1,2-Dichlorobenzene	4410	330	µg/kg wet	6670		66.1	40-130			
1,3-Dichlorobenzene	3420	330	µg/kg wet	6670		51.3	40-130			
1,4-Dichlorobenzene	3420	330	µg/kg wet	6670		51.3	40-130			
3,3'-Dichlorobenzidine	6200	330	µg/kg wet	6670		93.0	40-130			
2,4-Dichlorophenol	3850	330	µg/kg wet	6670		57.7	40-130			
Diethyl phthalate	5640	330	µg/kg wet	6670		84.6	40-130			
Dimethyl phthalate	4900	330	µg/kg wet	6670		73.5	40-130			
2,4-Dimethylphenol	4530	330	µg/kg wet	6670		67.9	40-130			
Di-n-butyl phthalate	6150	330	µg/kg wet	6670		92.2	40-130			
4,6-Dinitro-2-methylphenol	3600	330	µg/kg wet	6670		54.0	40-130			
2,4-Dinitrophenol	3120	330	µg/kg wet	6670		46.8	40-130			
2,4-Dinitrotoluene	4510	330	µg/kg wet	6670		67.6	40-130			
2,6-Dinitrotoluene	4340	330	µg/kg wet	6670		65.1	40-130			
Di-n-octyl phthalate	7920	330	µg/kg wet	6670		119	40-130			
Fluoranthene	4960	330	µg/kg wet	6670		74.4	40-130			
Fluorene	6640	330	µg/kg wet	6670		99.6	40-130			
Hexachlorobenzene	4480	330	µg/kg wet	6670		67.2	40-130			
Hexachlorobutadiene	4880	330	µg/kg wet	6670		73.2	40-130			
Hexachlorocyclopentadiene	4570	330	µg/kg wet	6670		68.5	40-130			
Hexachloroethane	6090	330	µg/kg wet	6670		91.3	40-130			
Indeno (1,2,3-cd) pyrene	3800	330	µg/kg wet	6670		57.0	40-130			
Isophorone	5160	330	µg/kg wet	6670		77.4	40-130			
1-Methylnaphthalene	4960	330	µg/kg wet	6670		74.4	40-140			
2-Methylnaphthalene	4690	330	µg/kg wet	6670		70.3	40-130			
2-Methylphenol	4660	330	µg/kg wet	6670		69.9	40-130			
3,4-Methylphenol	4770	330	µg/kg wet	6670		71.5	40-130			
Naphthalene	5070	330	µg/kg wet	6670		76.0	40-130			
2-Nitroaniline	4780	330	µg/kg wet	6670		71.7	40-130			
3-Nitroaniline	6520	330	µg/kg wet	6670		97.8	40-130			
4-Nitroaniline	3080	1320	µg/kg wet	6670		46.2	40-130			
Nitrobenzene	6030	330	µg/kg wet	6670		90.4	40-130			
2-Nitrophenol	3370	330	µg/kg wet	6670		50.5	40-130			
4-Nitrophenol	4440	1320	µg/kg wet	6670		66.6	40-130			
N-Nitrosodimethylamine	5270	330	µg/kg wet	6670		79.0	40-130			
N-Nitrosodi-n-propylamine	3830	330	µg/kg wet	6670		57.4	40-130			
N-Nitrosodiphenylamine	3550	330	µg/kg wet	6670		53.2	40-130			
Pentachlorophenol	7290	1320	µg/kg wet	6670		109	40-130			
Phenanthrene	5600	330	µg/kg wet	6670		84.0	40-130			
Phenol	4240	330	µg/kg wet	6670		63.6	40-130			
Pyrene	5490	330	µg/kg wet	6670		82.3	40-130			
Pyridine	4590	330	µg/kg wet	6670		68.8	40-130			
1,2,4-Trichlorobenzene	4070	330	µg/kg wet	6670		61.0	40-130			
2,4,5-Trichlorophenol	4300	330	µg/kg wet	6670		64.5	40-130			
2,4,6-Trichlorophenol	5300	330	µg/kg wet	6670		79.5	40-130			
Surrogate: 2-Fluorobiphenyl	*5380*		µg/kg wet	*6670*		*80.7*	*30-130*			
Surrogate: 2-Fluorophenol	*3730*		µg/kg wet	*6670*		*55.9*	*15-110*			
Surrogate: Nitrobenzene-d5	*5580*		µg/kg wet	*6670*		*83.7*	*30-130*			
Surrogate: Phenol-d5	*3280*		µg/kg wet	*6670*		*49.2*	*15-110*			
Surrogate: Terphenyl-dl4	*5470*		µg/kg wet	*6670*		*82.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4550*		µg/kg wet	*6670*		*68.2*	*15-110*			
uplicate (5090006-DUP1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acenaphthene	BRL	219	µg/kg dry		BRL				50	
Acenaphthylene	BRL	219	µg/kg dry		141			66.9	50	QM-04

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090006 - SW846 3545A										
Duplicate (5090006-DUP1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Aniline	BRL	219	µg/kg dry		BRL				50	
Anthracene	BRL	219	µg/kg dry		72.8			22.8	50	
Atrazine	BRL	219	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	219	µg/kg dry		BRL				50	
Benzidine	BRL	219	µg/kg dry		BRL				50	
Benzo (a) anthracene	513	219	µg/kg dry		727			34.5	50	
Benzo (a) pyrene	559	219	µg/kg dry		806			36.2	50	
Benzo (b) fluoranthene	510	219	µg/kg dry		700			31.4	50	
Benzo (g,h,i) perylene	371	219	µg/kg dry		440			17.0	50	
Benzo (k) fluoranthene	694	219	µg/kg dry		990			35.2	50	
Benzoic acid	BRL	219	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	219	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	219	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	219	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	219	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	219	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	219	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	219	µg/kg dry		BRL				50	
Carbazole	BRL	219	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	219	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	219	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	219	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	219	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	219	µg/kg dry		BRL				50	
Chrysene	659	219	µg/kg dry		927			33.8	50	
Dibenzo (a,h) anthracene	BRL	219	µg/kg dry		BRL				50	
Dibenzofuran	BRL	219	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	219	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	219	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	219	µg/kg dry		BRL				50	
3,3′-Dichlorobenzidine	BRL	219	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	219	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	219	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	219	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	219	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	219	µg/kg dry		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	219	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	219	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	219	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	219	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	219	µg/kg dry		BRL				50	
Fluoranthene	725	219	µg/kg dry		1190			48.6	50	
Fluorene	BRL	219	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	219	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	219	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	219	µg/kg dry		BRL				50	
Hexachloroethane	BRL	219	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	343	219	µg/kg dry		453			27.6	50	
1-Methylnaphthalene	BRL	219	µg/kg dry		BRL				50	
Isophorone	BRL	219	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	219	µg/kg dry		BRL				50	
2-Methylphenol	BRL	219	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	219	µg/kg dry		BRL				50	
Naphthalene	BRL	219	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090006 - SW846 3545A										
Duplicate (5090006-DUP1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
2-Nitroaniline	BRL	219	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	219	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	876	µg/kg dry		BRL				50	
Nitrobenzene	BRL	219	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	219	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	876	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	219	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	219	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	219	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	876	µg/kg dry		BRL				50	
Phenanthrene	BRL	219	µg/kg dry		293			44.2	50	
Phenol	BRL	219	µg/kg dry		BRL				50	
Pyrene	889	219	µg/kg dry		1190			29.0	50	
Pyridine	BRL	219	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	219	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	219	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	219	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*1440*		µg/kg dry	*2210*		*65.2*	*30-130*			
Surrogate: 2-Fluorophenol	*1480*		µg/kg dry	*2210*		*67.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*1390*		µg/kg dry	*2210*		*62.9*	*30-130*			
Surrogate: Phenol-d5	*1200*		µg/kg dry	*2210*		*54.3*	*15-110*			
Surrogate: Terphenyl-dl4	*1790*		µg/kg dry	*2210*		*81.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1110*		µg/kg dry	*2210*		*50.2*	*15-110*			
Matrix Spike (5090006-MS1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acenaphthene	3510	221	µg/kg dry	4470	BRL	78.5	40-140			
4-Chloro-3-methylphenol	2720	221	µg/kg dry	4470	BRL	60.9	30-130			
2-Chlorophenol	2340	221	µg/kg dry	4470	BRL	52.3	30-130			
1,4-Dichlorobenzene	2290	221	µg/kg dry	4470	BRL	51.2	40-140			
2,4-Dinitrotoluene	2630	221	µg/kg dry	4470	BRL	58.8	40-140			
4-Nitrophenol	1800	884	µg/kg dry	4470	BRL	40.3	30-130			
N-Nitrosodi-n-propylamine	2030	221	µg/kg dry	4470	BRL	45.4	40-140			
Pentachlorophenol	4070	884	µg/kg dry	4470	BRL	91.1	30-130			
Phenol	2840	221	µg/kg dry	4470	BRL	63.5	30-130			
Pyrene	4470	221	µg/kg dry	4470	1190	73.4	40-140			
1,2,4-Trichlorobenzene	2420	221	µg/kg dry	4470	BRL	54.1	40-140			
Surrogate: 2-Fluorobiphenyl	*3050*		µg/kg dry	*4470*		*68.2*	*30-130*			
Surrogate: 2-Fluorophenol	*2460*		µg/kg dry	*4470*		*55.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*3310*		µg/kg dry	*4470*		*74.0*	*30-130*			
Surrogate: Phenol-d5	*2140*		µg/kg dry	*4470*		*47.9*	*15-110*			
Surrogate: Terphenyl-dl4	*3370*		µg/kg dry	*4470*		*75.4*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2530*		µg/kg dry	*4470*		*56.6*	*15-110*			
Matrix Spike Dup (5090006-MSD1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acenaphthene	4050	224	µg/kg dry	4520	BRL	89.6	40-140	13.2	30	
4-Chloro-3-methylphenol	3100	224	µg/kg dry	4520	BRL	68.6	30-130	11.9	30	
2-Chlorophenol	2510	224	µg/kg dry	4520	BRL	55.5	30-130	5.94	30	
1,4-Dichlorobenzene	2680	224	µg/kg dry	4520	BRL	59.3	40-140	14.7	30	
2,4-Dinitrotoluene	3280	224	µg/kg dry	4520	BRL	72.6	40-140	21.0	30	
4-Nitrophenol	3240	894	µg/kg dry	4520	BRL	71.7	30-130	56.1	30	QM-07
N-Nitrosodi-n-propylamine	1890	224	µg/kg dry	4520	BRL	41.8	40-140	8.26	30	
Pentachlorophenol	4800	894	µg/kg dry	4520	BRL	106	30-130	15.1	30	
Phenol	3090	224	µg/kg dry	4520	BRL	68.4	30-130	7.43	30	
Pyrene	5070	224	µg/kg dry	4520	1190	85.8	40-140	15.6	30	
1,2,4-Trichlorobenzene	2770	224	µg/kg dry	4520	BRL	61.3	40-140	12.5	30	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090006 - SW846 3545A										
Matrix Spike Dup (5090006-MSD1)		**Source: SA33110-05**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Surrogate: 2-Fluorobiphenyl	*3530*		µg/kg dry	*4520*		*78.1*	*30-130*			
Surrogate: 2-Fluorophenol	*2720*		µg/kg dry	*4520*		*60.2*	*15-110*			
Surrogate: Nitrobenzene-d5	*3950*		µg/kg dry	*4520*		*87.4*	*30-130*			
Surrogate: Phenol-d5	*2290*		µg/kg dry	*4520*		*50.7*	*15-110*			
Surrogate: Terphenyl-dl4	*3800*		µg/kg dry	*4520*		*84.1*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2900*		µg/kg dry	*4520*		*64.2*	*15-110*			
Batch 5090400 - SW846 1312										
Blank (5090400-BLK1)				Prepared & Analyzed: 07-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090521 - SW846 3535										
Blank (5090521-BLK1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Aniline	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l							
Benzidine	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Benzoic acid	BRL	5.00	µg/l							
Benzyl alcohol	BRL	5.00	µg/l							
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l							
Bis(2-chloroethyl)ether	BRL	5.00	µg/l							
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l							
Bis(2-ethylhexyl)phthalate	BRL	5.00	µg/l							
4-Bromophenyl phenyl ether	BRL	5.00	µg/l							
Butyl benzyl phthalate	BRL	5.00	µg/l							
Carbazole	BRL	5.00	µg/l							
4-Chloro-3-methylphenol	BRL	5.00	µg/l							
4-Chloroaniline	BRL	5.00	µg/l							
2-Chloronaphthalene	BRL	5.00	µg/l							
2-Chlorophenol	BRL	5.00	µg/l							
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Dibenzofuran	BRL	5.00	µg/l							
1,2-Dichlorobenzene	BRL	5.00	µg/l							
1,3-Dichlorobenzene	BRL	5.00	µg/l							
1,4-Dichlorobenzene	BRL	5.00	µg/l							
3,3′-Dichlorobenzidine	BRL	5.00	µg/l							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090521 - SW846 3535									
Blank (5090521-BLK1)			Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
2,4-Dichlorophenol	BRL	5.00 µg/l							
Diethyl phthalate	BRL	5.00 µg/l							
Dimethyl phthalate	BRL	5.00 µg/l							
2,4-Dimethylphenol	BRL	5.00 µg/l							
Di-n-butyl phthalate	BRL	5.00 µg/l							
4,6-Dinitro-2-methylphenol	BRL	5.00 µg/l							
2,4-Dinitrophenol	BRL	5.00 µg/l							
2,4-Dinitrotoluene	BRL	5.00 µg/l							
2,6-Dinitrotoluene	BRL	5.00 µg/l							
Di-n-octyl phthalate	BRL	5.00 µg/l							
Fluoranthene	BRL	5.00 µg/l							
Fluoranthene	BRL	5.00 µg/l							
Fluorene	BRL	5.00 µg/l							
Fluorene	BRL	5.00 µg/l							
Hexachlorobenzene	BRL	5.00 µg/l							
Hexachlorobutadiene	BRL	5.00 µg/l							
Hexachlorocyclopentadiene	BRL	5.00 µg/l							
Hexachloroethane	BRL	5.00 µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l							
Isophorone	BRL	5.00 µg/l							
1-Methylnaphthalene	BRL	5.00 µg/l							
2-Methylnaphthalene	BRL	5.00 µg/l							
2-Methylnaphthalene	BRL	5.00 µg/l							
?-Methylphenol	BRL	5.00 µg/l							
,4-Methylphenol	BRL	10.0 µg/l							
Naphthalene	BRL	5.00 µg/l							
Naphthalene	BRL	5.00 µg/l							
2-Nitroaniline	BRL	5.00 µg/l							
3-Nitroaniline	BRL	5.00 µg/l							
4-Nitroaniline	BRL	5.00 µg/l							
Nitrobenzene	BRL	5.00 µg/l							
2-Nitrophenol	BRL	5.00 µg/l							
4-Nitrophenol	BRL	5.00 µg/l							
N-Nitrosodimethylamine	BRL	5.00 µg/l							
N-Nitrosodi-n-propylamine	BRL	5.00 µg/l							
N-Nitrosodiphenylamine	BRL	5.00 µg/l							
Pentachlorophenol	BRL	5.00 µg/l							
Phenanthrene	BRL	5.00 µg/l							
Phenanthrene	BRL	5.00 µg/l							
Phenol	BRL	5.00 µg/l							
Pyrene	BRL	5.00 µg/l							
Pyrene	BRL	5.00 µg/l							
Pyridine	BRL	5.00 µg/l							
1,2,4-Trichlorobenzene	BRL	5.00 µg/l							
2,4,5-Trichlorophenol	BRL	5.00 µg/l							
2,4,6-Trichlorophenol	BRL	5.00 µg/l							
Surrogate: 2-Fluorobiphenyl	*221*	µg/l	*400*		*55.2*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*221*	µg/l	*400*		*55.2*	*30-130*			
Surrogate: 2-Fluorophenol	*214*	µg/l	*400*		*53.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*196*	µg/l	*400*		*49.0*	*30-130*			
urrogate: Phenol-d5	*191*	µg/l	*400*		*47.8*	*15-110*			
urrogate: Terphenyl-dl4	*243*	µg/l	*400*		*60.8*	*30-130*			
Surrogate: Terphenyl-dl4	*243*	µg/l	*400*		*60.8*	*30-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090521 - SW846 3535										
Blank (5090521-BLK1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Surrogate: 2,4,6-Tribromophenol	*209*		µg/l	*400*		*52.2*	*15-110*			
LCS (5090521-BS1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	268	5.00	µg/l	400		67.0	40-140			
Acenaphthene	268	5.00	µg/l	400		67.0	40-140			
Acenaphthylene	287	5.00	µg/l	400		71.8	40-140			
Acenaphthylene	287	5.00	µg/l	400		71.8	40-140			
Aniline	268	5.00	µg/l	400		67.0	40-140			
Anthracene	295	5.00	µg/l	400		73.8	40-140			
Anthracene	295	5.00	µg/l	400		73.8	40-140			
Azobenzene/Diphenyldiazine	258	5.00	µg/l	400		64.5	40-140			
Benzidine	246	5.00	µg/l	400		61.5	40-140			
Benzo (a) anthracene	297	5.00	µg/l	400		74.2	40-140			
Benzo (a) anthracene	297	5.00	µg/l	400		74.2	40-140			
Benzo (a) pyrene	274	5.00	µg/l	400		68.5	40-140			
Benzo (a) pyrene	274	5.00	µg/l	400		68.5	40-140			
Benzo (b) fluoranthene	261	5.00	µg/l	400		65.2	40-140			
Benzo (b) fluoranthene	261	5.00	µg/l	400		65.2	40-140			
Benzo (g,h,i) perylene	247	5.00	µg/l	400		61.8	40-140			
Benzo (g,h,i) perylene	247	5.00	µg/l	400		61.8	40-140			
Benzo (k) fluoranthene	254	5.00	µg/l	400		63.5	40-140			
Benzo (k) fluoranthene	254	5.00	µg/l	400		63.5	40-140			
Benzoic acid	287	5.00	µg/l	400		71.8	30-130			
Benzyl alcohol	284	5.00	µg/l	400		71.0	40-140			
Bis(2-chloroethoxy)methane	259	5.00	µg/l	400		64.8	40-140			
Bis(2-chloroethyl)ether	239	5.00	µg/l	400		59.8	40-140			
Bis(2-chloroisopropyl)ether	237	5.00	µg/l	400		59.2	40-140			
Bis(2-ethylhexyl)phthalate	277	5.00	µg/l	400		69.2	40-140			
4-Bromophenyl phenyl ether	277	5.00	µg/l	400		69.2	40-140			
Butyl benzyl phthalate	268	5.00	µg/l	400		67.0	40-140			
Carbazole	286	5.00	µg/l	400		71.5	40-140			
4-Chloro-3-methylphenol	275	5.00	µg/l	400		68.8	30-130			
4-Chloroaniline	244	5.00	µg/l	400		61.0	40-140			
2-Chloronaphthalene	271	5.00	µg/l	400		67.8	40-140			
2-Chlorophenol	242	5.00	µg/l	400		60.5	30-130			
4-Chlorophenyl phenyl ether	268	5.00	µg/l	400		67.0	40-140			
Chrysene	276	5.00	µg/l	400		69.0	40-140			
Chrysene	276	5.00	µg/l	400		69.0	40-140			
Dibenzo (a,h) anthracene	234	5.00	µg/l	400		58.5	40-140			
Dibenzo (a,h) anthracene	234	5.00	µg/l	400		58.5	40-140			
Dibenzofuran	270	5.00	µg/l	400		67.5	40-140			
1,2-Dichlorobenzene	237	5.00	µg/l	400		59.2	40-140			
1,3-Dichlorobenzene	238	5.00	µg/l	400		59.5	40-140			
1,4-Dichlorobenzene	237	5.00	µg/l	400		59.2	40-140			
3,3'-Dichlorobenzidine	272	5.00	µg/l	400		68.0	40-140			
2,4-Dichlorophenol	266	5.00	µg/l	400		66.5	30-130			
Diethyl phthalate	288	5.00	µg/l	400		72.0	40-140			
Dimethyl phthalate	281	5.00	µg/l	400		70.2	40-140			
2,4-Dimethylphenol	268	5.00	µg/l	400		67.0	30-130			
Di-n-butyl phthalate	307	5.00	µg/l	400		76.8	40-140			
4,6-Dinitro-2-methylphenol	298	5.00	µg/l	400		74.5	30-130			
2,4-Dinitrophenol	292	5.00	µg/l	400		73.0	30-130			
2,4-Dinitrotoluene	285	5.00	µg/l	400		71.2	40-140			
2,6-Dinitrotoluene	301	5.00	µg/l	400		75.2	40-140			
Di-n-octyl phthalate	240	5.00	µg/l	400		60.0	40-140			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090521 - SW846 3535										
LCS (5090521-BS1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Fluoranthene	303	5.00	µg/l	400		75.8	40-140			
Fluoranthene	303	5.00	µg/l	400		75.8	40-140			
Fluorene	275	5.00	µg/l	400		68.8	40-140			
Fluorene	275	5.00	µg/l	400		68.8	40-140			
Hexachlorobenzene	277	5.00	µg/l	400		69.2	40-140			
Hexachlorobutadiene	249	5.00	µg/l	400		62.2	40-140			
Hexachlorocyclopentadiene	256	5.00	µg/l	400		64.0	40-140			
Hexachloroethane	236	5.00	µg/l	400		59.0	40-140			
Indeno (1,2,3-cd) pyrene	255	5.00	µg/l	400		63.8	40-140			
Indeno (1,2,3-cd) pyrene	255	5.00	µg/l	400		63.8	40-140			
1-Methylnaphthalene	259	5.00	µg/l	400		64.8	40-140			
Isophorone	268	5.00	µg/l	400		67.0	40-140			
2-Methylnaphthalene	261	5.00	µg/l	400		65.2	40-140			
2-Methylnaphthalene	261	5.00	µg/l	400		65.2	40-140			
2-Methylphenol	251	5.00	µg/l	400		62.8	40-140			
3,4-Methylphenol	334	10.0	µg/l	400		83.5	40-130			
Naphthalene	259	5.00	µg/l	400		64.8	40-140			
Naphthalene	259	5.00	µg/l	400		64.8	40-140			
2-Nitroaniline	261	5.00	µg/l	400		65.2	40-140			
3-Nitroaniline	256	5.00	µg/l	400		64.0	40-140			
4-Nitroaniline	266	5.00	µg/l	400		66.5	40-140			
Nitrobenzene	255	5.00	µg/l	400		63.8	40-140			
2-Nitrophenol	261	5.00	µg/l	400		65.2	30-130			
4-Nitrophenol	268	5.00	µg/l	400		67.0	30-130			
N-Nitrosodimethylamine	162	5.00	µg/l	400		40.5	40-140			
-Nitrosodi-n-propylamine	236	5.00	µg/l	400		59.0	40-140			
N-Nitrosodiphenylamine	296	5.00	µg/l	400		74.0	40-140			
Pentachlorophenol	317	5.00	µg/l	400		79.2	30-130			
Phenanthrene	279	5.00	µg/l	400		69.8	40-140			
Phenanthrene	279	5.00	µg/l	400		69.8	40-140			
Phenol	267	5.00	µg/l	400		66.8	30-130			
Pyrene	264	5.00	µg/l	400		66.0	40-140			
Pyrene	264	5.00	µg/l	400		66.0	40-140			
Pyridine	275	5.00	µg/l	400		68.8	40-140			
1,2,4-Trichlorobenzene	254	5.00	µg/l	400		63.5	40-140			
2,4,5-Trichlorophenol	284	5.00	µg/l	400		71.0	30-130			
2,4,6-Trichlorophenol	279	5.00	µg/l	400		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*272*		µg/l	*400*		*68.0*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*272*		µg/l	*400*		*68.0*	*30-130*			
Surrogate: 2-Fluorophenol	*218*		µg/l	*400*		*54.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*251*		µg/l	*400*		*62.8*	*30-130*			
Surrogate: Phenol-d5	*187*		µg/l	*400*		*46.8*	*15-110*			
Surrogate: Terphenyl-dl4	*260*		µg/l	*400*		*65.0*	*30-130*			
Surrogate: Terphenyl-dl4	*260*		µg/l	*400*		*65.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*287*		µg/l	*400*		*71.8*	*15-110*			
Duplicate (5090521-DUP1)		**Source: SA33315-02**		Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	7.76	5.00	µg/l		6.40			19.2	50	
Acenaphthene	7.76	5.00	µg/l		6.40			19.2	50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Aniline	BRL	5.00	µg/l		BRL				50	
thracene	BRL	5.00	µg/l		BRL				50	
Anthracene	BRL	5.00	µg/l		BRL				50	
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090521 - SW846 3535										
Duplicate (5090521-DUP1)		**Source: SA33315-02**		Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Benzidine	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzoic acid	BRL	5.00	µg/l		BRL				50	
Benzyl alcohol	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroethyl)ether	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	5.00	µg/l		BRL				50	
4-Bromophenyl phenyl ether	BRL	5.00	µg/l		BRL				50	
Butyl benzyl phthalate	BRL	5.00	µg/l		BRL				50	
Carbazole	22.5	5.00	µg/l		16.7			29.6	50	
4-Chloro-3-methylphenol	BRL	5.00	µg/l		BRL				50	
4-Chloroaniline	BRL	5.00	µg/l		BRL				50	
2-Chloronaphthalene	BRL	5.00	µg/l		BRL				50	
2-Chlorophenol	BRL	5.00	µg/l		BRL				50	
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Dibenzofuran	8.00	5.00	µg/l		7.20			10.5	50	
1,2-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
1,3-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
1,4-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
3,3′-Dichlorobenzidine	BRL	5.00	µg/l		BRL				50	
2,4-Dichlorophenol	BRL	5.00	µg/l		BRL				50	
Diethyl phthalate	BRL	5.00	µg/l		BRL				50	
Dimethyl phthalate	BRL	5.00	µg/l		BRL				50	
2,4-Dimethylphenol	BRL	5.00	µg/l		BRL				50	
Di-n-butyl phthalate	BRL	5.00	µg/l		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	5.00	µg/l		BRL				50	
2,4-Dinitrophenol	BRL	5.00	µg/l		BRL				50	
2,4-Dinitrotoluene	BRL	5.00	µg/l		BRL				50	
2,6-Dinitrotoluene	BRL	5.00	µg/l		BRL				50	
Di-n-octyl phthalate	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	12.2	5.00	µg/l		11.4			6.78	50	
Fluorene	12.2	5.00	µg/l		11.4			6.78	50	
Hexachlorobenzene	BRL	5.00	µg/l		BRL				50	
Hexachlorobutadiene	BRL	5.00	µg/l		BRL				50	
Hexachlorocyclopentadiene	BRL	5.00	µg/l		BRL				50	
Hexachloroethane	BRL	5.00	µg/l		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090521 - SW846 3535										
Duplicate (5090521-DUP1)		**Source: SA33315-02**		Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
1-Methylnaphthalene	BRL	5.00	µg/l		BRL				200	
Isophorone	BRL	5.00	µg/l		BRL				50	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
2-Methylphenol	BRL	5.00	µg/l		BRL				50	
3,4-Methylphenol	BRL	10.0	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
2-Nitroaniline	BRL	5.00	µg/l		BRL				50	
3-Nitroaniline	BRL	5.00	µg/l		BRL				50	
4-Nitroaniline	BRL	5.00	µg/l		BRL				50	
Nitrobenzene	BRL	5.00	µg/l		BRL				50	
2-Nitrophenol	BRL	5.00	µg/l		BRL				50	
4-Nitrophenol	BRL	5.00	µg/l		BRL				50	
N-Nitrosodimethylamine	BRL	5.00	µg/l		BRL				50	
N-Nitrosodi-n-propylamine	BRL	5.00	µg/l		BRL				50	
N-Nitrosodiphenylamine	BRL	5.00	µg/l		BRL				50	
Pentachlorophenol	BRL	5.00	µg/l		BRL				50	
Phenanthrene	21.1	5.00	µg/l		19.4			8.40	50	
Phenanthrene	21.1	5.00	µg/l		19.4			8.40	50	
Phenol	BRL	5.00	µg/l		BRL				50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Pyridine	BRL	5.00	µg/l		BRL				50	
',2,4-Trichlorobenzene	BRL	5.00	µg/l		BRL				50	
,4,5-Trichlorophenol	BRL	5.00	µg/l		BRL				50	
2,4,6-Trichlorophenol	BRL	5.00	µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*239*		µg/l	*400*		*59.8*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*239*		µg/l	*400*		*59.8*	*30-130*			
Surrogate: 2-Fluorophenol	*232*		µg/l	*400*		*58.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*204*		µg/l	*400*		*51.0*	*30-130*			
Surrogate: Phenol-d5	*222*		µg/l	*400*		*55.5*	*15-110*			
Surrogate: Terphenyl-dl4	*185*		µg/l	*400*		*46.2*	*30-130*			
Surrogate: Terphenyl-dl4	*185*		µg/l	*400*		*46.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*223*		µg/l	*400*		*55.8*	*15-110*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5082542 - EPA200/SW7000 Series										
Blank (5082542-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5082542-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.883	0.179	mg/kg wet	0.893		98.9	80-120			
Duplicate (5082542-DUP1)		**Source: SA33312-02**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.498	0.199	mg/kg dry		0.402			21.3	35	
Duplicate (5082542-DUP2)		**Source: SA33315-01**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.974	0.174	mg/kg dry		1.21			21.6	35	
Matrix Spike (5082542-MS1)		**Source: SA33189-01**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.377	0.165	mg/kg dry	0.383	BRL	98.4	75-125			
Matrix Spike (5082542-MS2)		**Source: SA33315-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.732	0.198	mg/kg dry	0.461	0.263	102	75-125			
Matrix Spike Dup (5082542-MSD1)		**Source: SA33189-01**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.381	0.167	mg/kg dry	0.388	BRL	98.2	75-125	1.06	35	
Matrix Spike Dup (5082542-MSD2)		**Source: SA33315-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	0.657	0.201	mg/kg dry	0.467	0.263	84.4	75-125	10.8	35	
Reference (5082542-SRM1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Mercury	1.12	0.179	mg/kg wet	1.26		88.9	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5082541 - EPA 200 Series									
Blank (5082541-BLK1)			Prepared & Analyzed: 01-Sep-05						
Silver	BRL	2.00 mg/kg wet							
Nickel	BRL	1.00 mg/kg wet							
Zinc	BRL	1.00 mg/kg wet							
Vanadium	BRL	1.00 mg/kg wet							
Thallium	BRL	3.00 mg/kg wet							
Antimony	BRL	3.00 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Beryllium	BRL	0.400 mg/kg wet							
Lead	BRL	1.50 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
LCS (5082541-BS1)			Prepared & Analyzed: 01-Sep-05						
Vanadium	91.3	1.00 mg/kg wet	100		91.3	85-115			
Silver	45.9	2.00 mg/kg wet	50.0		91.8	85-115			
Selenium	100	3.00 mg/kg wet	100		100	85-115			
Antimony	85.1	3.00 mg/kg wet	100		85.1	85-115			
Nickel	99.3	1.00 mg/kg wet	100		99.3	85-115			
Thallium	94.2	3.00 mg/kg wet	100		94.2	85-115			
Zinc	95.5	1.00 mg/kg wet	100		95.5	85-115			
Chromium	91.5	1.00 mg/kg wet	100		91.5	85-115			
Arsenic	92.1	3.00 mg/kg wet	100		92.1	85-115			
Beryllium	98.3	0.400 mg/kg wet	100		98.3	85-115			
Copper	92.1	1.00 mg/kg wet	100		92.1	85-115			
Lead	93.5	1.50 mg/kg wet	100		93.5	85-115			
Cadmium	97.6	0.500 mg/kg wet	100		97.6	85-115			
Barium	96.4	1.00 mg/kg wet	100		96.4	85-115			
Duplicate (5082541-DUP1)		**Source: SA33312-02**	Prepared & Analyzed: 01-Sep-05						
Selenium	BRL	1.73 mg/kg dry		BRL				35	
Zinc	1760	0.578 mg/kg dry		1160			41.1	35	QR-05
Antimony	31.2	1.73 mg/kg dry		35.9			14.0	35	
Vanadium	16.5	0.578 mg/kg dry		17.0			2.99	35	
Silver	BRL	1.16 mg/kg dry		BRL				35	
Thallium	BRL	1.73 mg/kg dry		BRL				35	
Nickel	19.6	0.578 mg/kg dry		20.7			5.46	35	
Lead	318	0.867 mg/kg dry		510			46.4	35	QR-05
Arsenic	7.61	1.73 mg/kg dry		10.1			28.1	35	
Copper	343	0.578 mg/kg dry		415			19.0	35	
Chromium	12.9	0.578 mg/kg dry		12.2			5.58	35	
Cadmium	2.71	0.289 mg/kg dry		1.61			50.9	35	QR-05
Beryllium	0.312	0.231 mg/kg dry		0.334			6.81	35	
Barium	146	0.578 mg/kg dry		181			21.4	35	
Duplicate (5082541-DUP2)		**Source: SA33315-01**	Prepared & Analyzed: 01-Sep-05						
Nickel	52.7	0.510 mg/kg dry		46.7			12.1	35	
Silver	29.0	1.02 mg/kg dry		17.5			49.5	35	QR-05
Thallium	BRL	1.53 mg/kg dry		BRL				35	
Selenium	BRL	1.53 mg/kg dry		BRL				35	
Zinc	301	0.510 mg/kg dry		302			0.332	35	
Vanadium	30.8	0.510 mg/kg dry		32.2			4.44	35	
Antimony	BRL	3.06 mg/kg dry		3.65			33.6	35	
Copper	301	0.510 mg/kg dry		234			25.0	35	

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5082541 - EPA 200 Series										
Duplicate (5082541-DUP2)		**Source: SA33315-01**		Prepared & Analyzed: 01-Sep-05						
Lead	86.9	0.765	mg/kg dry		88.7			2.05	35	
Chromium	29.2	0.510	mg/kg dry		18.0			47.5	35	QR-05
Arsenic	2.23	1.53	mg/kg dry		3.37			40.7	35	QR-05
Beryllium	0.505	0.204	mg/kg dry		0.478			5.49	35	
Cadmium	4.36	0.255	mg/kg dry		2.55			52.4	35	QR-05
Barium	185	0.510	mg/kg dry		126			37.9	35	QR-05
Matrix Spike (5082541-MS1)		**Source: SA33189-01**		Prepared & Analyzed: 01-Sep-05						
Nickel	63.1	0.515	mg/kg dry	51.5	16.4	90.7	70-130			
Selenium	50.9	1.54	mg/kg dry	51.5	BRL	98.8	70-130			
Thallium	56.7	1.54	mg/kg dry	51.5	BRL	110	70-130			
Zinc	79.6	0.515	mg/kg dry	51.5	44.6	68.0	70-130			QM-07
Antimony	43.2	1.54	mg/kg dry	51.5	BRL	83.9	70-130			
Silver	24.6	1.03	mg/kg dry	25.7	BRL	95.7	70-130			
Vanadium	71.0	0.515	mg/kg dry	51.5	29.6	80.4	70-130			
Beryllium	53.1	0.206	mg/kg dry	51.5	0.331	102	70-130			
Cadmium	51.0	0.257	mg/kg dry	51.5	BRL	99.0	70-130			
Lead	53.2	0.772	mg/kg dry	51.5	6.44	90.8	70-130			
Arsenic	48.9	1.54	mg/kg dry	51.5	BRL	95.0	70-130			
Copper	65.6	0.515	mg/kg dry	51.5	25.2	78.4	70-130			
Chromium	64.3	0.515	mg/kg dry	51.5	22.0	82.1	70-130			
Barium	112	0.515	mg/kg dry	51.5	88.7	45.2	70-130			QM-07
Matrix Spike (5082541-MS2)		**Source: SA33315-03**		Prepared & Analyzed: 01-Sep-05						
Silver	28.8	1.09	mg/kg dry	27.3	BRL	105	70-130			
Zinc	158	0.546	mg/kg dry	54.6	66.2	168	70-130			QM-07
Thallium	56.8	1.64	mg/kg dry	54.6	BRL	104	70-130			
Selenium	47.1	1.64	mg/kg dry	54.6	BRL	86.3	70-130			
Antimony	42.0	1.64	mg/kg dry	54.6	BRL	76.9	70-130			
Nickel	70.4	0.546	mg/kg dry	54.6	10.4	110	70-130			
Vanadium	84.7	0.546	mg/kg dry	54.6	31.4	97.6	70-130			
Cadmium	56.0	0.273	mg/kg dry	54.6	0.104	102	70-130			
Lead	54.7	0.819	mg/kg dry	54.6	51.4	6.04	70-130			QM-07
Copper	112	0.546	mg/kg dry	54.6	44.5	124	70-130			
Arsenic	54.9	1.64	mg/kg dry	54.6	BRL	101	70-130			
Chromium	68.4	0.546	mg/kg dry	54.6	12.4	103	70-130			
Beryllium	57.4	0.218	mg/kg dry	54.6	0.383	104	70-130			
Barium	168	0.546	mg/kg dry	54.6	58.7	200	70-130			QM-07
Matrix Spike Dup (5082541-MSD1)		**Source: SA33189-01**		Prepared & Analyzed: 01-Sep-05						
Zinc	96.1	0.499	mg/kg dry	49.9	44.6	103	70-130	18.8	35	
Silver	24.2	0.998	mg/kg dry	25.0	BRL	96.8	70-130	1.64	35	
Thallium	59.8	1.50	mg/kg dry	49.9	BRL	120	70-130	5.32	35	
Selenium	48.1	1.50	mg/kg dry	49.9	BRL	96.4	70-130	5.66	35	
Antimony	41.3	1.50	mg/kg dry	49.9	BRL	82.8	70-130	4.50	35	
Nickel	69.4	0.499	mg/kg dry	49.9	16.4	106	70-130	9.51	35	
Vanadium	81.4	0.499	mg/kg dry	49.9	29.6	104	70-130	13.6	35	
Arsenic	47.4	1.50	mg/kg dry	49.9	BRL	95.0	70-130	3.12	35	
Lead	54.3	0.749	mg/kg dry	49.9	6.44	95.9	70-130	2.05	35	
Copper	76.5	0.499	mg/kg dry	49.9	25.2	103	70-130	15.3	35	
Chromium	73.6	0.499	mg/kg dry	49.9	22.0	103	70-130	13.5	35	
Cadmium	49.7	0.250	mg/kg dry	49.9	BRL	99.6	70-130	2.58	35	
Beryllium	51.8	0.200	mg/kg dry	49.9	0.331	103	70-130	2.48	35	
Barium	146	0.499	mg/kg dry	49.9	88.7	115	70-130	26.4	35	
Matrix Spike Dup (5082541-MSD2)		**Source: SA33315-03**		Prepared & Analyzed: 01-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5082541 - EPA 200 Series										
Matrix Spike Dup (5082541-MSD2)		**Source: SA33315-03**		Prepared & Analyzed: 01-Sep-05						
Nickel	69.0	0.549	mg/kg dry	54.9	10.4	107	70-130	2.01	35	
Antimony	40.6	1.65	mg/kg dry	54.9	BRL	74.0	70-130	3.39	35	
Selenium	47.9	1.65	mg/kg dry	54.9	BRL	87.2	70-130	1.68	35	
Thallium	56.2	1.65	mg/kg dry	54.9	BRL	102	70-130	1.06	35	
Vanadium	80.2	0.549	mg/kg dry	54.9	31.4	88.9	70-130	5.46	35	
Zinc	184	0.549	mg/kg dry	54.9	66.2	215	70-130	15.2	35	QM-07
Silver	28.8	1.10	mg/kg dry	27.5	BRL	105	70-130	0.00	35	
Lead	133	0.824	mg/kg dry	54.9	51.4	149	70-130	83.4	35	QM-07
Copper	111	0.549	mg/kg dry	54.9	44.5	121	70-130	0.897	35	
Chromium	66.0	0.549	mg/kg dry	54.9	12.4	97.6	70-130	3.57	35	
Arsenic	55.2	1.65	mg/kg dry	54.9	BRL	101	70-130	0.545	35	
Beryllium	58.1	0.220	mg/kg dry	54.9	0.383	105	70-130	1.21	35	
Cadmium	56.0	0.275	mg/kg dry	54.9	0.104	102	70-130	0.00	35	
Barium	149	0.549	mg/kg dry	54.9	58.7	164	70-130	12.0	35	QM-07
Reference (5082541-SRM1)				Prepared & Analyzed: 01-Sep-05						
Vanadium	64.8	1.00	mg/kg wet	62.0		105	85-115			
Silver	28.0	2.00	mg/kg wet	25.3		111	85-115			
Thallium	58.6	3.00	mg/kg wet	52.5		112	85-115			
Zinc	662	1.00	mg/kg wet	625		106	85-115			
Selenium	120	3.00	mg/kg wet	110		109	85-115			
Nickel	56.2	1.00	mg/kg wet	49.9		113	85-115			
Arsenic	70.9	3.00	mg/kg wet	69.7		102	85-115			
Cadmium	122	0.500	mg/kg wet	112		109	85-115			
Lead	143	1.50	mg/kg wet	124		115	85-115			
Chromium	61.1	1.00	mg/kg wet	55.7		110	85-115			
Copper	74.6	1.00	mg/kg wet	65.5		114	85-115			
Barium	12.7	1.00	mg/kg wet	12.8		99.2	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090394 - SW846 1312										
Blank (5090394-BLK1)				Prepared & Analyzed: 07-Sep-05						
SPLP Extraction	Completed	N/A								
Blank (5090394-BLK2)				Prepared & Analyzed: 07-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090453 - SW846 3010A										
Blank (5090453-BLK1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	BRL	0.0025	mg/l							
Lead	BRL	0.0038	mg/l							
Antimony	BRL	0.0060	mg/l							
Vanadium	BRL	0.0025	mg/l							
Copper	BRL	0.0025	mg/l							
Silver	BRL	0.0050	mg/l							
Chromium	BRL	0.0025	mg/l							
Cadmium	BRL	0.0012	mg/l							
LCS (5090453-BS1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Antimony	0.456	0.0060	mg/l	0.500		91.2	85-115			
Nickel	0.489	0.0025	mg/l	0.500		97.8	85-115			
Lead	0.477	0.0038	mg/l	0.500		95.4	85-115			
Vanadium	0.468	0.0025	mg/l	0.500		93.6	85-115			
Cadmium	0.480	0.0012	mg/l	0.500		96.0	85-115			
Silver	0.226	0.0050	mg/l	0.250		90.4	85-115			
Chromium	0.465	0.0025	mg/l	0.500		93.0	85-115			
Copper	0.470	0.0025	mg/l	0.500		94.0	85-115			
LCS Dup (5090453-BSD1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Vanadium	0.472	0.0025	mg/l	0.500		94.4	85-115	0.851	20	
Lead	0.473	0.0038	mg/l	0.500		94.6	85-115	0.842	20	
Antimony	0.455	0.0060	mg/l	0.500		91.0	85-115	0.220	20	
Nickel	0.502	0.0025	mg/l	0.500		100	85-115	2.62	20	
Silver	0.231	0.0050	mg/l	0.250		92.4	85-115	2.19	20	
Cadmium	0.495	0.0012	mg/l	0.500		99.0	85-115	3.08	20	
Copper	0.480	0.0025	mg/l	0.500		96.0	85-115	2.11	20	
Chromium	0.477	0.0025	mg/l	0.500		95.4	85-115	2.55	20	
Duplicate (5090453-DUP1)		**Source: SA33315-03**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	BRL	0.0050	mg/l		BRL				20	
Lead	0.0330	0.0075	mg/l		0.0600			58.1	20	QR-05
Antimony	BRL	0.0120	mg/l		0.0102			83.3	20	QR-04
Vanadium	0.0080	0.0050	mg/l		0.0082			2.47	20	
Silver	BRL	0.0100	mg/l		BRL				20	
Cadmium	BRL	0.0025	mg/l		BRL				20	
Chromium	BRL	0.0050	mg/l		0.0070			59.3	20	QR-05
Copper	0.0090	0.0050	mg/l		0.0098			8.51	20	
Matrix Spike (5090453-MS1)		**Source: SA33315-01**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Vanadium	0.964	0.0050	mg/l	1.00	0.0046	95.9	75-125			
Lead	0.980	0.0075	mg/l	1.00	0.0291	95.1	75-125			
Nickel	1.01	0.0050	mg/l	1.00	0.0074	100	75-125			
Antimony	0.897	0.0120	mg/l	1.00	0.0082	88.9	75-125			
Cadmium	0.938	0.0025	mg/l	1.00	0.0004	93.8	75-125			
Chromium	0.950	0.0050	mg/l	1.00	0.0030	94.7	75-125			
Copper	1.01	0.0050	mg/l	1.00	0.0399	97.0	75-125			
Silver	0.468	0.0100	mg/l	0.500	BRL	93.6	75-125			
Matrix Spike Dup (5090453-MSD1)		**Source: SA33315-01**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	0.982	0.0050	mg/l	1.00	0.0074	97.5	75-125	2.81	20	

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090453 - SW846 3010A									
Matrix Spike Dup (5090453-MSD1)		**Source: SA33315-01**	Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Vanadium	0.932	0.0050 mg/l	1.00	0.0046	92.7	75-125	3.38	20	
Lead	0.960	0.0075 mg/l	1.00	0.0291	93.1	75-125	2.06	20	
Antimony	0.906	0.0120 mg/l	1.00	0.0082	89.8	75-125	0.998	20	
Silver	0.455	0.0100 mg/l	0.500	BRL	91.0	75-125	2.82	20	
Chromium	0.926	0.0050 mg/l	1.00	0.0030	92.3	75-125	2.56	20	
Cadmium	0.942	0.0025 mg/l	1.00	0.0004	94.2	75-125	0.426	20	
Copper	0.974	0.0050 mg/l	1.00	0.0399	93.4	75-125	3.63	20	
Batch 5090454 - EPA200/SW7000 Series									
Blank (5090454-BLK1)			Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	BRL	0.00040 mg/l							
LCS (5090454-BS1)			Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00264	0.00040 mg/l	0.00250		106	80-120			
Duplicate (5090454-DUP1)		**Source: SA33315-02**	Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00241	0.00040 mg/l		0.00237			1.67	35	
Matrix Spike (5090454-MS1)		**Source: SA33315-01**	Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00259	0.00040 mg/l	0.00250	BRL	104	75-125			
Matrix Spike Dup (5090454-MSD1)		**Source: SA33315-01**	Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00275	0.00040 mg/l	0.00250	BRL	110	75-125	5.99	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5082522 - General Preparation									
Duplicate (5082522-DUP1)		**Source: SA33344-01**	Prepared & Analyzed: 01-Sep-05						
% Solids	91.3	%		91.0			0.329	20	

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: Meriden HUB - Meriden, CT	Meriden HUB - Meriden, CT/ 2005-045
This Form Provides certifications for the following data set: SA33315-01 SA33315-02 SA33315-03 SA33315-04 SA33315-05	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/13/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA3 367 (1) [illegible]

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

IW#5012795 (11)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield St.
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield, CEE, 100 Shield St., W. Hartford, CT, P.O. No.: 06110
David Ringquist, CT DEP, 79 Elm St., Hartford, CT, RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden-HUB
Location: East Main and State Streets
State: Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☒ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH by CT Method	VOCs by 5035/8260	SVOCs by 8270	PAHs only by 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn, +	Total Sb, Be, Tl, Vn	VOCs 8260	
SA33367-01	JTP050830-36	8-30-05	9:15	G	S	8,9	3	2			X	X	X				X	X	X		SPLP PAHS, SPLP Cr, Pb Hg, V
-02	JTP050830-38	8-30-05	10:50	G	S	8,9	3	2			X	X	X				X	X	X		SPLP PAHS, SPLP Cr, Pb V
-03	JTP050830-40	8-30-05	12:00	G	S	8,9	3	2			X	X	X				X	X	X		SPLP Ba, Cr, Pb, V
-04	JTP050830-42	8-30-05	14:15	G	S	8,9	3	2			X	X		X		X	X	X	X		SPLP PAHS, SPLP Cr, Pb Hg, Ni, V, Cu
-05	JTP050830-44	8-30-05	14:30	G	S	8,9	3	2			X	X		X		X	X	X	X	X	SPLP Cr, Pb, V
-06	JTP050830-47	8-30-05	15:30	G	W	2	2													X	
-07	JTP050830-48	8-30-05	15:20	G	W	2	2													X	

ADDED ANALYSIS
per client fax 9/8/05

☐ Fax results when available to (____)
☒ E-mail to mwinfield@cee.net
EDD Format .PDF Format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 7

Relinquished by:	Received by:	Date:	Time:
[signature] III	[signature]	8/31/05	1025
[signature]	[signature]	8/31/05	1240

AOC-11 and AOC-6

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Supplemental CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield
CEE
100 Shield St.
W. Hartford, CT 06110
P.O. No.:

David Ringquist
CT DEP
79 Elm St.
Hartford, CT 06106
RQN:

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		SPLP PAHs 1312/8270C	SPLP Barium	SPLP Chromium	SPLP Lead	SPLP Mercury	SPLP Nickel	SPLP Vanadium	SPLP Copper
SA33367-01	JTP050830-36	8-30-05	9:15	G	S	8,9	3	2				X		X	X	X		X	
SA33367-02	JTP050830-38		10:50	G	S	8,9	3	2				X		X	X			X	
SA33367-03	JTP050830-40		12:00	G	S	8,9	3	2					X	X	X			X	
SA33367-04	JTP050830-42		14:15	G	S	8,9	3	2				X		X	X	X	X	X	X
SA33367-05	JTP050830-44		14:30	G	S	8,9	3	2						X	X			X	

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

Report Date:
13-Sep-05 15:39

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33367-01	JTP050830-36	Soil	30-Aug-05 09:15	31-Aug-05 12:40
SA33367-02	JTP050830-38	Soil	30-Aug-05 10:50	31-Aug-05 12:40
SA33367-03	JTP050830-40	Soil	30-Aug-05 12:00	31-Aug-05 12:40
SA33367-04	JTP050830-42	Soil	30-Aug-05 14:15	31-Aug-05 12:40
SA33367-05	JTP050830-44	Soil	30-Aug-05 14:30	31-Aug-05 12:40
SA33367-06	JTP050830-47	Water	30-Aug-05 15:30	31-Aug-05 12:40
SA33367-07	JTP050830-48	Water	30-Aug-05 15:20	31-Aug-05 12:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 56 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-36 SA33367-01	CEE Project #2005.045	Soil	30-Aug-05 09:15	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	31-Aug-05	31-Aug-05	5090016	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	74.9 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
107-13-1	Acrylonitrile	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	9.7	3.7 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	18.7 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-36 SA33367-01	CEE Project #2005.045	Soil	30-Aug-05 09:15	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.7 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
130-20-7	m,p-Xylene	BRL	7.5 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*91.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	28.5 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	28.5 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	28.5 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	28.5 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	28.5 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	28.5 mg/kg dry	1	"	"	"	"	"	
	Unidentified	165	28.5 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	28.5 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	165	28.5 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	165	28.5 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*170*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090512	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-36 SA33367-01	CEE Project #2005.045	Soil	30-Aug-05 09:15	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
83-32-9	Acenaphthene	BRL	371 µg/kg dry	2	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
208-96-8	Acenaphthylene	BRL	371 µg/kg dry	2	"	"	"	"	"	
62-53-3	Aniline	BRL	371 µg/kg dry	2	"	"	"	"	"	
120-12-7	Anthracene	BRL	371 µg/kg dry	2	"	"	"	"	"	
1912-24-9	Atrazine	BRL	371 µg/kg dry	2	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	371 µg/kg dry	2	"	"	"	"	"	
92-87-5	Benzidine	BRL	371 µg/kg dry	2	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	1,400	371 µg/kg dry	2	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	1,100	371 µg/kg dry	2	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	1,000	371 µg/kg dry	2	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	583	371 µg/kg dry	2	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,040	371 µg/kg dry	2	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	371 µg/kg dry	2	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	371 µg/kg dry	2	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	371 µg/kg dry	2	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	371 µg/kg dry	2	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	371 µg/kg dry	2	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	371 µg/kg dry	2	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
86-74-8	Carbazole	BRL	371 µg/kg dry	2	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	371 µg/kg dry	2	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	371 µg/kg dry	2	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	371 µg/kg dry	2	"	"	"	"	"	
218-01-9	Chrysene	1,310	371 µg/kg dry	2	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	371 µg/kg dry	2	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	371 µg/kg dry	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	371 µg/kg dry	2	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	371 µg/kg dry	2	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	371 µg/kg dry	2	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	371 µg/kg dry	2	"	"	"	"	"	
206-44-0	Fluoranthene	2,130	371 µg/kg dry	2	"	"	"	"	"	
86-73-7	Fluorene	BRL	371 µg/kg dry	2	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	371 µg/kg dry	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-36 SA33367-01	CEE Project #2005.045	Soil	30-Aug-05 09:15	31-Aug-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
77-47-4	Hexachlorocyclopentadiene	BRL	371 µg/kg dry	2	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
67-72-1	Hexachloroethane	BRL	371 µg/kg dry	2	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	576	371 µg/kg dry	2	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	371 µg/kg dry	2	"	"	"	"	"	
78-59-1	Isophorone	BRL	371 µg/kg dry	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	371 µg/kg dry	2	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
91-20-3	Naphthalene	BRL	371 µg/kg dry	2	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	371 µg/kg dry	2	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	371 µg/kg dry	2	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1480 µg/kg dry	2	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1480 µg/kg dry	2	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	371 µg/kg dry	2	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	371 µg/kg dry	2	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	371 µg/kg dry	2	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1480 µg/kg dry	2	"	"	"	"	"	
85-01-8	Phenanthrene	1,200	371 µg/kg dry	2	"	"	"	"	"	
108-95-2	Phenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
29-00-0	Pyrene	2,310	371 µg/kg dry	2	"	"	"	"	"	
110-86-1	Pyridine	BRL	371 µg/kg dry	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	371 µg/kg dry	2	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	371 µg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*64.7*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*77.5*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70.1*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*59.9*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82.4*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56.1*	*15-110 %*		"	"	"	"	"	

SPLP PAHs by SW846 1312/8270C Prepared by method SW846 3535

83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-36 SA33367-01	CEE Project #2005.045	Soil	30-Aug-05 09:15	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
SPLP PAHs by SW846 1312/8270C			Prepared by method	SW846 3535						
86-73-7	Fluorene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*37.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*30.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.453	0.187 mg/kg dry	1	SW846 7471A	02-Sep-05	06-Sep-05	5090083	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	3.02	1.12 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7440-38-2	Arsenic	BRL	1.67 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	103	0.558 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.469	0.223 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.402	0.279 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	14.7	0.558 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	124	0.558 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	17.2	0.558 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	130	0.837 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.67 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.67 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.67 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	35.8	0.558 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	133	0.558 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090492	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090540	HB	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	12-Sep-05	5090541	YP	
7439-92-1	Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	12-Sep-05	5090540	HB	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.5	%	1	SM2540 G Mod.	02-Sep-05	02-Sep-05	5090129	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-38 SA33367-02	CEE Project #2005.045	Soil	30-Aug-05 10:50	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	31-Aug-05	31-Aug-05	5090016	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	162	99.4 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	VOC6
107-13-1	Acrylonitrile	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	49.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	24.8 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
3-12-8	1,2-Dibromo-3-chloropropane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	49.7 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-38 SA33367-02	CEE Project #2005.045	Soil	30-Aug-05 10:50	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	5.0 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	49.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	49.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98.8*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	30.9 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	30.9 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
	Unidentified	72.1	30.9 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	72.1	30.9 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	72.1	30.9 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*82.4*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090512	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-38 SA33367-02	CEE Project #2005.045	Soil	30-Aug-05 10:50	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
83-32-9	Acenaphthene	BRL	194 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
208-96-8	Acenaphthylene	BRL	194 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	194 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	204	194 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	194 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	194 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	194 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	1,400	194 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	1,170	194 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	1,110	194 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	531	194 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,210	194 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	194 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	194 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	194 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	194 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	194 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	194 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	194 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	2,640	194 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	516	194 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
6-47-8	4-Chloroaniline	BRL	194 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	194 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	194 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	1,160	194 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	194 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	194 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	194 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	194 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	194 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	194 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	194 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	194 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	194 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,350	194 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	194 µg/kg dry	1	"	"	"	"	"	
8-74-1	Hexachlorobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
67-68-3	Hexachlorobutadiene	BRL	194 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-38 SA33367-02	CEE Project #2005.045	Soil	30-Aug-05 10:50	31-Aug-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
77-47-4	Hexachlorocyclopentadiene	BRL	194 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
67-72-1	Hexachloroethane	BRL	194 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	535	194 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	194 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	194 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	194 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	194 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	194 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	194 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	774 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	774 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	194 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	194 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	194 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	774 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	737	194 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,350	194 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	194 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	194 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	194 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*50.3*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*65.8*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*58.7*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*51.0*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64.8*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*45.2*	*15-110 %*		"	"	"	"	"	

SPLP PAHs by SW846 1312/8270C Prepared by method SW846 3535

83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-38 SA33367-02	CEE Project #2005.045	Soil	30-Aug-05 10:50	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
SPLP PAHs by SW846 1312/8270C			Prepared by method	SW846 3535						
86-73-7	Fluorene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*41.0*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*40.0*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.358	0.190 mg/kg dry	1	SW846 7471A	02-Sep-05	06-Sep-05	5090083	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.16 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7440-38-2	Arsenic	BRL	1.75 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	94.4	0.582 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.500	0.233 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.291	0.291 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	15.1	0.582 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	65.2	0.582 mg/kg dry	1	"	"	"	"	"	
440-02-0	Nickel	18.1	0.582 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	126	0.873 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.75 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.75 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.75 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	33.3	0.582 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	131	0.582 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090492	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090540	HB	
7439-92-1	Lead	0.0087	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0054	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	84.7	%	1	SM2540 G Mod.	02-Sep-05	02-Sep-05	5090129	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-40 SA33367-03	CEE Project #2005.045	Soil	30-Aug-05 12:00	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	31-Aug-05	31-Aug-05	5090016	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	91.4 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
107-13-1	Acrylonitrile	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	45.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	22.8 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	45.7 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-40 SA33367-03	CEE Project #2005.045	Soil	30-Aug-05 12:00	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.6 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	45.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	45.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
130-20-7	m,p-Xylene	BRL	9.1 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.6 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	29.9 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
	Unidentified	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	29.9 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*74.9*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-40 SA33367-03	CEE Project #2005.045	Soil	30-Aug-05 12:00	31-Aug-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
83-32-9	Acenaphthene	BRL	186 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
208-96-8	Acenaphthylene	BRL	186 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	186 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	186 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	186 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	186 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	186 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	186 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	186 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	186 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	186 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	186 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	186 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	186 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	186 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	186 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	186 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	186 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	186 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	186 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	186 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	186 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	186 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	186 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	186 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	186 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	186 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	186 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	186 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	186 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	186 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-40 SA33367-03	CEE Project #2005.045	Soil	30-Aug-05 12:00	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
87-68-3	Hexachlorobutadiene	BRL	186 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
77-47-4	Hexachlorocyclopentadiene	BRL	186 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	186 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	186 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	186 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	186 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	186 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	186 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	186 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	186 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	744 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	744 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	186 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	186 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	186 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	744 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	186 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	186 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	186 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	186 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	186 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*58.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*73.4*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*51.5*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*63.3*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69.1*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*48.9*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.191 mg/kg dry	1	SW846 7471A	02-Sep-05	06-Sep-05	5090083	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.10 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7440-38-2	Arsenic	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	319	0.552 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.674	0.221 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.276 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	20.6	0.552 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	34.8	0.552 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	18.1	0.552 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	9.00	0.828 mg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-40 SA33367-03	CEE Project #2005.045	Soil	30-Aug-05 12:00	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-36-0	Antimony	BRL	1.66 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7782-49-2	Selenium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	51.1	0.552 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	86.9	0.552 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090492	CB	
7440-39-3	Barium	0.0533	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090540	HB	
7440-47-3	Chromium	0.0062	0.0050 mg/l	1	"	"	"	"	"	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0092	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	86.0	%	1	SM2540 G Mod.	02-Sep-05	02-Sep-05	5090129	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-42 SA33367-04	CEE Project #2005.045	Soil	30-Aug-05 14:15	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	31-Aug-05	31-Aug-05	5090016	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	180	94.4 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	VOC6
107-13-1	Acrylonitrile	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	47.2 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	23.6 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
06-43-4	4-Chlorotoluene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	47.2 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-42 SA33367-04	CEE Project #2005.045	Soil	30-Aug-05 14:15	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.7 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	47.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	47.2 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	9.4 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	34.3 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	34.3 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	34.3 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	34.3 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	34.3 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	34.3 mg/kg dry	1	"	"	"	"	"	
	Unidentified	470	34.3 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	34.3 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	470	34.3 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	470	34.3 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*224*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-42 SA33367-04	CEE Project #2005.045	Soil	30-Aug-05 14:15	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	36.5 µg/kg dry	1	SW846 8082	01-Sep-05	03-Sep-05	5090007	SM	
11104-28-2	PCB 1221	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	36.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090512	CB	
PAHs by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	169 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
208-96-8	Acenaphthylene	327	169 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	675	169 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	2,230	169 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	1,440	169 µg/kg dry	1	"	"	"	"	"	
5-99-2	Benzo (b) fluoranthene	1,240	169 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	634	169 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,570	169 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	1,900	169 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	169 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	3,880	169 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	169 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	679	169 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	169 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	169 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	169 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	2,620	169 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	2,890	169 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*58.8*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71.9*	*30-130 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
1-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-42 SA33367-04	CEE Project #2005.045	Soil	30-Aug-05 14:15	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
218-01-9	Chrysene	BRL	5.00 µg/l	1	1312/8270C	09-Sep-05	10-Sep-05	5090521		
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*37.0*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*38.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	1.45	0.213 mg/kg dry	1	SW846 7471A	02-Sep-05	06-Sep-05	5090083	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	2.04	1.33 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7440-38-2	Arsenic	BRL	2.00 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	164	0.667 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.794	0.267 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.527	0.334 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	19.0	0.667 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	339	0.667 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	22.8	0.667 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	331	1.00 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	2.00 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	2.00 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	2.00 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	65.0	0.667 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	381	0.667 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090492	CB	
7440-47-3	Chromium	0.0068	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090540	HB	
7440-50-8	Copper	0.0177	0.0050 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	12-Sep-05	5090541	YP	
7440-02-0	Nickel	BRL	0.0050 mg/l	1	SW846 6010B	"	12-Sep-05	5090540	HB	
7439-92-1	Lead	0.0148	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0080	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	74.6	%	1	SM2540 G Mod.	02-Sep-05	02-Sep-05	5090129	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-44 SA33367-05	CEE Project #2005.045	Soil	30-Aug-05 14:30	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	31-Aug-05	31-Aug-05	5090016	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
67-64-1	Acetone	BRL	129 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
107-13-1	Acrylonitrile	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	6.9	6.5 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	64.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	64.7 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-44 SA33367-05	CEE Project #2005.045	Soil	30-Aug-05 14:30	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
1634-04-4	Methyl tert-butyl ether	BRL	6.5 µg/kg dry	1	SW846 8260B	01-Sep-05	02-Sep-05	5090027	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	64.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	64.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	12.9 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	6.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*79.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*90.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	31.6 mg/kg dry	1	+CT ETPH	01-Sep-05	02-Sep-05	5090009	KG	
68476-30-2	Fuel Oil #2	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	31.6 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
	Unidentified	182	31.6 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	182	31.6 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	182	31.6 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*138*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-44 SA33367-05	CEE Project #2005.045	Soil	30-Aug-05 14:30	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	33.3 µg/kg dry	1	SW846 8082	01-Sep-05	03-Sep-05	5090007	SM	
11104-28-2	PCB 1221	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94.9*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	156 µg/kg dry	1	SW846 8270C	02-Sep-05	03-Sep-05	5090100	M.B	
208-96-8	Acenaphthylene	BRL	156 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	156 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	300	156 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	234	156 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	240	156 µg/kg dry	1	"	"	"	"	"	
1-24-2	Benzo (g,h,i) perylene	BRL	156 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	232	156 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	311	156 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	156 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	573	156 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	156 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	156 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	156 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	156 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	156 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	355	156 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	475	156 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.6*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.348	0.192 mg/kg dry	1	SW846 7471A	02-Sep-05	06-Sep-05	5090083	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.23 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7440-38-2	Arsenic	BRL	1.84 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	76.2	0.613 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.472	0.245 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.306 mg/kg dry	1	"	"	"	"	"	
40-47-3	Chromium	18.9	0.613 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	129	0.613 mg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-44 SA33367-05	CEE Project #2005.045	Soil	30-Aug-05 14:30	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-02-0	Nickel	19.1	0.613 mg/kg dry	1	EPA 200.7	02-Sep-05	02-Sep-05	5090082	HB	
7439-92-1	Lead	54.9	0.919 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.84 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.84 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.84 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	38.7	0.613 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	92.1	0.613 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	08-Sep-05	08-Sep-05	5090492	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	09-Sep-05	12-Sep-05	5090540	HB	
7439-92-1	Lead	0.0426	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0056	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	81.3	%	1	SM2540 G Mod.	02-Sep-05	02-Sep-05	5090129	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-47 SA33367-06	CEE Project #2005.045	Water	30-Aug-05 15:30	31-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	02-Sep-05	02-Sep-05	5090118	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-47 SA33367-06	CEE Project #2005.045	Water	30-Aug-05 15:30	31-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	02-Sep-05	02-Sep-05	5090118	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*107*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.4*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-48 SA33367-07	CEE Project #2005.045	Water	30-Aug-05 15:20	31-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	02-Sep-05	02-Sep-05	5090118	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050830-48 SA33367-07	CEE Project #2005.045	Water	30-Aug-05 15:20	31-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	02-Sep-05	02-Sep-05	5090118	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
Blank (5090027-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
Blank (5090027-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet	*50.0*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*49.9*		µg/kg wet	*50.0*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*58.1*		µg/kg wet	*50.0*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet	*50.0*		*102*	*70-130*			
LCS (5090027-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	14.7		µg/kg wet	20.0		73.5	0.663-201			
Acrylonitrile	21.7		µg/kg wet	20.0		108	70-130			
Benzene	21.1		µg/kg wet	20.0		106	70-130			
Bromobenzene	20.9		µg/kg wet	20.0		104	70-130			
Bromochloromethane	19.8		µg/kg wet	20.0		99.0	70-130			
Bromodichloromethane	20.0		µg/kg wet	20.0		100	70-130			
Bromoform	16.8		µg/kg wet	20.0		84.0	70-130			
Bromomethane	21.2		µg/kg wet	20.0		106	54-151			
2-Butanone (MEK)	19.1		µg/kg wet	20.0		95.5	6.66-154			
n-Butylbenzene	21.0		µg/kg wet	20.0		105	70-130			
sec-Butylbenzene	23.0		µg/kg wet	20.0		115	70-130			
tert-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130			
Carbon disulfide	19.5		µg/kg wet	20.0		97.5	70-130			
Carbon tetrachloride	18.0		µg/kg wet	20.0		90.0	70-130			
Chlorobenzene	21.0		µg/kg wet	20.0		105	70-130			
Chloroethane	23.3		µg/kg wet	20.0		116	64.5-148			
Chloroform	20.1		µg/kg wet	20.0		100	70-130			
Chloromethane	24.1		µg/kg wet	20.0		120	70-130			
2-Chlorotoluene	21.9		µg/kg wet	20.0		110	70-130			
4-Chlorotoluene	21.3		µg/kg wet	20.0		106	70-130			
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet	20.0		96.0	70-130			
Dibromochloromethane	17.1		µg/kg wet	20.0		85.5	52-148			
1,2-Dibromoethane (EDB)	19.5		µg/kg wet	20.0		97.5	70-130			
Dibromomethane	19.9		µg/kg wet	20.0		99.5	70-130			
1,2-Dichlorobenzene	21.4		µg/kg wet	20.0		107	70-130			
1,3-Dichlorobenzene	21.1		µg/kg wet	20.0		106	70-130			
1,4-Dichlorobenzene	20.6		µg/kg wet	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	28.5		µg/kg wet	20.0		142	60.6-196			
1,1-Dichloroethane	21.8		µg/kg wet	20.0		109	70-130			
1,2-Dichloroethane	20.8		µg/kg wet	20.0		104	70-130			
1,1-Dichloroethene	20.8		µg/kg wet	20.0		104	70-130			
cis-1,2-Dichloroethene	21.2		µg/kg wet	20.0		106	70-130			
trans-1,2-Dichloroethene	20.3		µg/kg wet	20.0		102	70-130			
1,2-Dichloropropane	21.7		µg/kg wet	20.0		108	70-130			
1,3-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130			
2,2-Dichloropropane	18.9		µg/kg wet	20.0		94.5	70-130			
1,1-Dichloropropene	21.5		µg/kg wet	20.0		108	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
LCS (5090027-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
cis-1,3-Dichloropropene	19.4		µg/kg wet	20.0		97.0	70-130			
trans-1,3-Dichloropropene	18.8		µg/kg wet	20.0		94.0	70-130			
Ethylbenzene	21.7		µg/kg wet	20.0		108	70-130			
Hexachlorobutadiene	21.1		µg/kg wet	20.0		106	67-154			
2-Hexanone (MBK)	20.5		µg/kg wet	20.0		102	70-130			
Isopropylbenzene	21.1		µg/kg wet	20.0		106	70-130			
4-Isopropyltoluene	22.4		µg/kg wet	20.0		112	70-130			
Methyl tert-butyl ether	20.1		µg/kg wet	20.0		100	70-130			
4-Methyl-2-pentanone (MIBK)	20.0		µg/kg wet	20.0		100	38.8-135			
Methylene chloride	20.3		µg/kg wet	20.0		102	70-130			
Naphthalene	24.7		µg/kg wet	20.0		124	70-130			
n-Propylbenzene	21.8		µg/kg wet	20.0		109	70-130			
Styrene	20.3		µg/kg wet	20.0		102	70-130			
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130			
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet	20.0		104	70-130			
Tetrachloroethene	19.2		µg/kg wet	20.0		96.0	70-130			
Toluene	20.6		µg/kg wet	20.0		103	70-130			
1,2,3-Trichlorobenzene	21.9		µg/kg wet	20.0		110	70-130			
1,2,4-Trichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,1,1-Trichloroethane	20.7		µg/kg wet	20.0		104	70-130			
1,1,2-Trichloroethane	21.1		µg/kg wet	20.0		106	70-130			
Trichloroethene	20.8		µg/kg wet	20.0		104	70-130			
Trichlorofluoromethane (Freon 11)	23.0		µg/kg wet	20.0		115	66.7-150			
1,2,3-Trichloropropane	21.1		µg/kg wet	20.0		106	70-130			
1,2,4-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130			
1,3,5-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130			
Vinyl chloride	25.0		µg/kg wet	20.0		125	70-130			
m,p-Xylene	42.8		µg/kg wet	40.0		107	70-130			
o-Xylene	21.6		µg/kg wet	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/kg wet	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.6*		µg/kg wet	*50.0*		*99.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		µg/kg wet	*50.0*		*97.2*	*70-130*			
LCS Dup (5090027-BSD1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Acetone	14.5		µg/kg wet	20.0		72.5	0.663-201	1.37	50	
Acrylonitrile	21.3		µg/kg wet	20.0		106	70-130	1.87	25	
Benzene	21.6		µg/kg wet	20.0		108	70-130	1.87	25	
Bromobenzene	20.7		µg/kg wet	20.0		104	70-130	0.00	25	
Bromochloromethane	20.4		µg/kg wet	20.0		102	70-130	2.99	25	
Bromodichloromethane	20.3		µg/kg wet	20.0		102	70-130	1.98	25	
Bromoform	17.3		µg/kg wet	20.0		86.5	70-130	2.93	25	
Bromomethane	21.8		µg/kg wet	20.0		109	54-151	2.79	50	
2-Butanone (MEK)	21.7		µg/kg wet	20.0		108	6.66-154	12.3	50	
n-Butylbenzene	21.1		µg/kg wet	20.0		106	70-130	0.948	25	
sec-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130	0.873	25	
tert-Butylbenzene	22.7		µg/kg wet	20.0		114	70-130	0.00	25	
Carbon disulfide	20.3		µg/kg wet	20.0		102	70-130	4.51	25	
Carbon tetrachloride	19.0		µg/kg wet	20.0		95.0	70-130	5.41	25	
Chlorobenzene	21.8		µg/kg wet	20.0		109	70-130	3.74	25	
Chloroethane	24.3		µg/kg wet	20.0		122	64.5-148	5.04	50	
Chloroform	20.5		µg/kg wet	20.0		102	70-130	1.98	25	
hloromethane	27.0		µg/kg wet	20.0		135	70-130	11.8	25	QC-1
2-Chlorotoluene	22.1		µg/kg wet	20.0		110	70-130	0.00	25	
4-Chlorotoluene	20.9		µg/kg wet	20.0		104	70-130	1.90	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090027 - SW846 5035A Soil (low level)										
LCS Dup (5090027-BSD1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet	20.0		92.0	70-130	4.26	25	
Dibromochloromethane	17.2		µg/kg wet	20.0		86.0	52-148	0.583	50	
1,2-Dibromoethane (EDB)	20.1		µg/kg wet	20.0		100	70-130	2.53	25	
Dibromomethane	20.3		µg/kg wet	20.0		102	70-130	2.48	25	
1,2-Dichlorobenzene	21.6		µg/kg wet	20.0		108	70-130	0.930	25	
1,3-Dichlorobenzene	20.2		µg/kg wet	20.0		101	70-130	4.83	25	
1,4-Dichlorobenzene	20.9		µg/kg wet	20.0		104	70-130	0.966	25	
Dichlorodifluoromethane (Freon12)	30.0		µg/kg wet	20.0		150	60.6-196	5.48	50	
1,1-Dichloroethane	22.5		µg/kg wet	20.0		112	70-130	2.71	25	
1,2-Dichloroethane	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
1,1-Dichloroethene	21.6		µg/kg wet	20.0		108	70-130	3.77	25	
cis-1,2-Dichloroethene	21.7		µg/kg wet	20.0		108	70-130	1.87	25	
trans-1,2-Dichloroethene	21.0		µg/kg wet	20.0		105	70-130	2.90	25	
1,2-Dichloropropane	22.2		µg/kg wet	20.0		111	70-130	2.74	25	
1,3-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130	0.00	25	
2,2-Dichloropropane	19.3		µg/kg wet	20.0		96.5	70-130	2.09	25	
1,1-Dichloropropene	22.2		µg/kg wet	20.0		111	70-130	2.74	25	
cis-1,3-Dichloropropene	19.6		µg/kg wet	20.0		98.0	70-130	1.03	25	
trans-1,3-Dichloropropene	19.3		µg/kg wet	20.0		96.5	70-130	2.62	25	
Ethylbenzene	22.4		µg/kg wet	20.0		112	70-130	3.64	25	
Hexachlorobutadiene	19.0		µg/kg wet	20.0		95.0	67-154	10.9	50	
2-Hexanone (MBK)	19.3		µg/kg wet	20.0		96.5	70-130	5.54	25	
Isopropylbenzene	21.7		µg/kg wet	20.0		108	70-130	1.87	25	
4-Isopropyltoluene	23.3		µg/kg wet	20.0		116	70-130	3.51	25	
Methyl tert-butyl ether	20.5		µg/kg wet	20.0		102	70-130	1.98	25	
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet	20.0		97.0	38.8-135	3.05	50	
Methylene chloride	21.1		µg/kg wet	20.0		106	70-130	3.85	25	
Naphthalene	20.4		µg/kg wet	20.0		102	70-130	19.5	25	
n-Propylbenzene	21.6		µg/kg wet	20.0		108	70-130	0.922	25	
Styrene	21.9		µg/kg wet	20.0		110	70-130	7.55	25	
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
Tetrachloroethene	19.5		µg/kg wet	20.0		97.5	70-130	1.55	25	
Toluene	20.9		µg/kg wet	20.0		104	70-130	0.966	25	
1,2,3-Trichlorobenzene	18.5		µg/kg wet	20.0		92.5	70-130	17.3	25	
1,2,4-Trichlorobenzene	17.5		µg/kg wet	20.0		87.5	70-130	15.3	25	
1,1,1-Trichloroethane	21.4		µg/kg wet	20.0		107	70-130	2.84	25	
1,1,2-Trichloroethane	21.0		µg/kg wet	20.0		105	70-130	0.948	25	
Trichloroethene	21.3		µg/kg wet	20.0		106	70-130	1.90	25	
Trichlorofluoromethane (Freon 11)	23.9		µg/kg wet	20.0		120	66.7-150	4.26	50	
1,2,3-Trichloropropane	20.9		µg/kg wet	20.0		104	70-130	1.90	25	
1,2,4-Trimethylbenzene	20.8		µg/kg wet	20.0		104	70-130	1.90	25	
1,3,5-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130	0.00	25	
Vinyl chloride	26.0		µg/kg wet	20.0		130	70-130	3.92	25	
m,p-Xylene	43.7		µg/kg wet	40.0		109	70-130	1.85	25	
o-Xylene	22.1		µg/kg wet	20.0		110	70-130	1.83	25	
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/kg wet	*50.0*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*48.8*		µg/kg wet	*50.0*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet	*50.0*		*96.4*	*70-130*			
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			
Batch 5090118 - SW846 5030 Water MS										
Blank (5090118-BLK1)				Prepared & Analyzed: 02-Sep-05						
Acetone	BRL	20.0	µg/l							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090118 - SW846 5030 Water MS										
Blank (5090118-BLK1)				Prepared & Analyzed: 02-Sep-05						
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090118 - SW846 5030 Water MS										
Blank (5090118-BLK1)				Prepared & Analyzed: 02-Sep-05						
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		µg/l	*50.0*		*100*	*70-130*			
LCS (5090118-BS1)				Prepared & Analyzed: 02-Sep-05						
Acetone	12.9		µg/l	20.0		64.5	0.671-198			
Acrylonitrile	18.9		µg/l	20.0		94.5	70-130			
Benzene	19.6		µg/l	20.0		98.0	70-130			
Bromobenzene	21.7		µg/l	20.0		108	70-130			
Bromochloromethane	20.7		µg/l	20.0		104	70-130			
Bromodichloromethane	17.0		µg/l	20.0		85.0	70-130			
Bromoform	14.8		µg/l	20.0		74.0	70-130			
Bromomethane	22.2		µg/l	20.0		111	64.5-146			
2-Butanone (MEK)	11.5		µg/l	20.0		57.5	14.3-172			
n-Butylbenzene	17.2		µg/l	20.0		86.0	70-130			
sec-Butylbenzene	23.0		µg/l	20.0		115	70-130			
tert-Butylbenzene	23.4		µg/l	20.0		117	70-130			
Carbon disulfide	18.1		µg/l	20.0		90.5	70-130			
Carbon tetrachloride	18.4		µg/l	20.0		92.0	70-130			
Chlorobenzene	21.0		µg/l	20.0		105	70-130			
Chloroethane	21.3		µg/l	20.0		106	66.3-135			
Chloroform	20.4		µg/l	20.0		102	70-130			
Chloromethane	23.8		µg/l	20.0		119	70-130			
2-Chlorotoluene	22.1		µg/l	20.0		110	70-130			
4-Chlorotoluene	21.8		µg/l	20.0		109	70-130			
1,2-Dibromo-3-chloropropane	16.8		µg/l	20.0		84.0	70-130			
Dibromochloromethane	13.9		µg/l	20.0		69.5	52.9-141			
1,2-Dibromoethane (EDB)	20.0		µg/l	20.0		100	70-130			
Dibromomethane	20.1		µg/l	20.0		100	70-130			
1,2-Dichlorobenzene	20.3		µg/l	20.0		102	70-130			
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130			
1,4-Dichlorobenzene	19.7		µg/l	20.0		98.5	70-130			
Dichlorodifluoromethane (Freon12)	34.0		µg/l	20.0		170	50.5-203			
1,1-Dichloroethane	21.1		µg/l	20.0		106	70-130			
1,2-Dichloroethane	21.6		µg/l	20.0		108	70-130			
1,1-Dichloroethene	21.2		µg/l	20.0		106	70-130			
cis-1,2-Dichloroethene	20.8		µg/l	20.0		104	70-130			
trans-1,2-Dichloroethene	20.4		µg/l	20.0		102	70-130			
1,2-Dichloropropane	19.5		µg/l	20.0		97.5	70-130			
1,3-Dichloropropane	19.8		µg/l	20.0		99.0	70-130			
2,2-Dichloropropane	21.0		µg/l	20.0		105	70-130			
1,1-Dichloropropene	21.3		µg/l	20.0		106	70-130			
cis-1,3-Dichloropropene	19.2		µg/l	20.0		96.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090118 - SW846 5030 Water MS										
LCS (5090118-BS1)				Prepared & Analyzed: 02-Sep-05						
trans-1,3-Dichloropropene	16.0		µg/l	20.0		80.0	70-130			
Ethylbenzene	21.7		µg/l	20.0		108	70-130			
Hexachlorobutadiene	21.8		µg/l	20.0		109	68.9-138			
2-Hexanone (MBK)	14.1		µg/l	20.0		70.5	70-130			
Isopropylbenzene	21.5		µg/l	20.0		108	70-130			
4-Isopropyltoluene	21.0		µg/l	20.0		105	70-130			
Methyl tert-butyl ether	20.3		µg/l	20.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	18.5		µg/l	20.0		92.5	51.5-134			
Methylene chloride	21.2		µg/l	20.0		106	70-130			
Naphthalene	17.9		µg/l	20.0		89.5	70-130			
n-Propylbenzene	21.9		µg/l	20.0		110	70-130			
Styrene	22.4		µg/l	20.0		112	70-130			
1,1,1,2-Tetrachloroethane	21.5		µg/l	20.0		108	70-130			
1,1,2,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130			
Tetrachloroethene	21.3		µg/l	20.0		106	70-130			
Toluene	20.6		µg/l	20.0		103	70-130			
1,2,3-Trichlorobenzene	20.5		µg/l	20.0		102	70-130			
1,2,4-Trichlorobenzene	20.0		µg/l	20.0		100	70-130			
1,1,1-Trichloroethane	22.4		µg/l	20.0		112	70-130			
1,1,2-Trichloroethane	20.2		µg/l	20.0		101	70-130			
Trichloroethene	20.9		µg/l	20.0		104	70-130			
Trichlorofluoromethane (Freon 11)	25.0		µg/l	20.0		125	70-143			
1,2,3-Trichloropropane	20.7		µg/l	20.0		104	70-130			
1,2,4-Trimethylbenzene	22.3		µg/l	20.0		112	70-130			
1,3,5-Trimethylbenzene	22.4		µg/l	20.0		112	70-130			
Vinyl chloride	28.9		µg/l	20.0		144	70-130			QC-2
m,p-Xylene	44.5		µg/l	40.0		111	70-130			
o-Xylene	22.5		µg/l	20.0		112	70-130			
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l	*50.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		µg/l	*50.0*		*101*	*70-130*			
LCS Dup (5090118-BSD1)				Prepared & Analyzed: 02-Sep-05						
Acetone	15.0		µg/l	20.0		75.0	0.671-198	15.1	50	
Acrylonitrile	22.5		µg/l	20.0		112	70-130	16.9	25	
Benzene	19.2		µg/l	20.0		96.0	70-130	2.06	25	
Bromobenzene	20.3		µg/l	20.0		102	70-130	5.71	25	
Bromochloromethane	20.8		µg/l	20.0		104	70-130	0.00	25	
Bromodichloromethane	17.4		µg/l	20.0		87.0	70-130	2.33	25	
Bromoform	17.7		µg/l	20.0		88.5	70-130	17.8	25	
Bromomethane	20.4		µg/l	20.0		102	64.5-146	8.45	50	
2-Butanone (MEK)	14.1		µg/l	20.0		70.5	14.3-172	20.3	50	
n-Butylbenzene	16.5		µg/l	20.0		82.5	70-130	4.15	25	
sec-Butylbenzene	21.1		µg/l	20.0		106	70-130	8.14	25	
tert-Butylbenzene	21.6		µg/l	20.0		108	70-130	8.00	25	
Carbon disulfide	17.2		µg/l	20.0		86.0	70-130	5.10	25	
Carbon tetrachloride	18.1		µg/l	20.0		90.5	70-130	1.64	25	
Chlorobenzene	20.2		µg/l	20.0		101	70-130	3.88	25	
Chloroethane	20.8		µg/l	20.0		104	66.3-135	1.90	50	
Chloroform	20.2		µg/l	20.0		101	70-130	0.985	25	
Chloromethane	22.6		µg/l	20.0		113	70-130	5.17	25	
2-Chlorotoluene	20.1		µg/l	20.0		100	70-130	9.52	25	
4-Chlorotoluene	20.2		µg/l	20.0		101	70-130	7.62	25	
1,2-Dibromo-3-chloropropane	20.1		µg/l	20.0		100	70-130	17.4	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090118 - SW846 5030 Water MS										
LCS Dup (5090118-BSD1)				Prepared & Analyzed: 02-Sep-05						
Dibromochloromethane	15.3		µg/l	20.0		76.5	52.9-141	9.59	50	
1,2-Dibromoethane (EDB)	21.3		µg/l	20.0		106	70-130	5.83	25	
Dibromomethane	21.6		µg/l	20.0		108	70-130	7.69	25	
1,2-Dichlorobenzene	19.9		µg/l	20.0		99.5	70-130	2.48	25	
1,3-Dichlorobenzene	20.4		µg/l	20.0		102	70-130	7.55	25	
1,4-Dichlorobenzene	19.0		µg/l	20.0		95.0	70-130	3.62	25	
Dichlorodifluoromethane (Freon12)	31.9		µg/l	20.0		160	50.5-203	6.06	50	
1,1-Dichloroethane	20.2		µg/l	20.0		101	70-130	4.83	25	
1,2-Dichloroethane	21.8		µg/l	20.0		109	70-130	0.922	25	
1,1-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	6.83	25	
cis-1,2-Dichloroethene	20.4		µg/l	20.0		102	70-130	1.94	25	
trans-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
1,2-Dichloropropane	19.3		µg/l	20.0		96.5	70-130	1.03	25	
1,3-Dichloropropane	20.7		µg/l	20.0		104	70-130	4.93	25	
2,2-Dichloropropane	20.2		µg/l	20.0		101	70-130	3.88	25	
1,1-Dichloropropene	20.6		µg/l	20.0		103	70-130	2.87	25	
cis-1,3-Dichloropropene	19.7		µg/l	20.0		98.5	70-130	2.57	25	
trans-1,3-Dichloropropene	17.0		µg/l	20.0		85.0	70-130	6.06	25	
Ethylbenzene	20.3		µg/l	20.0		102	70-130	5.71	25	
Hexachlorobutadiene	20.0		µg/l	20.0		100	68.9-138	8.61	50	
2-Hexanone (MBK)	18.2		µg/l	20.0		91.0	70-130	25.4	25	QR-02
Isopropylbenzene	20.0		µg/l	20.0		100	70-130	7.69	25	
4-Isopropyltoluene	20.2		µg/l	20.0		101	70-130	3.88	25	
Methyl tert-butyl ether	22.2		µg/l	20.0		111	70-130	8.45	25	
4-Methyl-2-pentanone (MIBK)	23.0		µg/l	20.0		115	51.5-134	21.7	50	
Methylene chloride	21.2		µg/l	20.0		106	70-130	0.00	25	
Naphthalene	19.8		µg/l	20.0		99.0	70-130	10.1	25	
n-Propylbenzene	20.4		µg/l	20.0		102	70-130	7.55	25	
Styrene	20.3		µg/l	20.0		102	70-130	9.35	25	
1,1,1,2-Tetrachloroethane	21.6		µg/l	20.0		108	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	23.1		µg/l	20.0		116	70-130	10.9	25	
Tetrachloroethene	19.7		µg/l	20.0		98.5	70-130	7.33	25	
Toluene	19.9		µg/l	20.0		99.5	70-130	3.46	25	
1,2,3-Trichlorobenzene	20.8		µg/l	20.0		104	70-130	1.94	25	
1,2,4-Trichlorobenzene	19.5		µg/l	20.0		97.5	70-130	2.53	25	
1,1,1-Trichloroethane	22.0		µg/l	20.0		110	70-130	1.80	25	
1,1,2-Trichloroethane	21.2		µg/l	20.0		106	70-130	4.83	25	
Trichloroethene	20.2		µg/l	20.0		101	70-130	2.93	25	
Trichlorofluoromethane (Freon 11)	23.4		µg/l	20.0		117	70-143	6.61	50	
1,2,3-Trichloropropane	23.5		µg/l	20.0		118	70-130	12.6	25	
1,2,4-Trimethylbenzene	21.3		µg/l	20.0		106	70-130	5.50	25	
1,3,5-Trimethylbenzene	21.1		µg/l	20.0		106	70-130	5.50	25	
Vinyl chloride	27.6		µg/l	20.0		138	70-130	4.26	25	QC-2
m,p-Xylene	41.8		µg/l	40.0		104	70-130	6.51	25	
o-Xylene	21.1		µg/l	20.0		106	70-130	5.50	25	
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.0*		µg/l	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*51.9*		µg/l	*50.0*		*104*	*70-130*			
Matrix Spike (5090118-MS1)		**Source: SA33367-07**		Prepared & Analyzed: 02-Sep-05						
Benzene	18.7		µg/l	20.0	BRL	93.5	70-130			
Chlorobenzene	19.6		µg/l	20.0	BRL	98.0	70-130			
1,1-Dichloroethene	19.1		µg/l	20.0	BRL	95.5	70-130			
Toluene	19.1		µg/l	20.0	BRL	95.5	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090118 - SW846 5030 Water MS										
Matrix Spike (5090118-MS1)		**Source: SA33367-07**		Prepared & Analyzed: 02-Sep-05						
Trichloroethene	19.8		µg/l	20.0	BRL	99.0	70-130			
Surrogate: 4-Bromofluorobenzene	*53.1*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*50.8*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.3*		µg/l	*50.0*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		µg/l	*50.0*		*102*	*70-130*			
Matrix Spike Dup (5090118-MSD1)		**Source: SA33367-07**		Prepared & Analyzed: 02-Sep-05						
Benzene	20.4		µg/l	20.0	BRL	102	70-130	8.70	30	
Chlorobenzene	22.0		µg/l	20.0	BRL	110	70-130	11.5	30	
1,1-Dichloroethene	21.3		µg/l	20.0	BRL	106	70-130	10.4	30	
Toluene	21.2		µg/l	20.0	BRL	106	70-130	10.4	30	
Trichloroethene	22.2		µg/l	20.0	BRL	111	70-130	11.4	30	
Surrogate: 4-Bromofluorobenzene	*52.7*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*50.3*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.4*		µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090009 - SW846 3550B										
Blank (5090009-BLK1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.08*		mg/kg wet	*3.33*		*62.5*	*40-140*			
LCS (5090009-BS1)				Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	57.4	13.3	mg/kg wet	93.3		61.5	40-140			
Surrogate: 1-Chlorooctadecane	*2.00*		mg/kg wet	*3.33*		*60.1*	*40-140*			
Duplicate (5090009-DUP1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
Gasoline	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	30.0	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	30.0	mg/kg dry		BRL				50	
Motor Oil	BRL	30.0	mg/kg dry		BRL				50	
Aviation Fuel	BRL	30.0	mg/kg dry		BRL				50	
Unidentified	BRL	30.0	mg/kg dry		BRL				50	
Other Oil	BRL	30.0	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	BRL	30.0	mg/kg dry		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	30.0	mg/kg dry		BRL				50	
Surrogate: 1-Chlorooctadecane	*2.43*		mg/kg dry	*3.76*		*64.6*	*40-140*			
Matrix Spike (5090009-MS1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	69.3	14.8	mg/kg dry	104	BRL	66.6	40-140			
Surrogate: 1-Chlorooctadecane	*2.38*		mg/kg dry	*3.70*		*64.3*	*40-140*			
Matrix Spike Dup (5090009-MSD1)		**Source: SA33367-03**		Prepared: 01-Sep-05 Analyzed: 02-Sep-05						
C9-C36 Aliphatic Hydrocarbons	66.7	14.8	mg/kg dry	104	BRL	64.1	40-140	3.83	30	
Surrogate: 1-Chlorooctadecane	*2.32*		mg/kg dry	*3.72*		*62.4*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090007 - SW846 3550B										
Blank (5090007-BLK1)				Prepared: 01-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
LCS (5090007-BS1)				Prepared: 01-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	371	28.6	µg/kg wet	357		104	40-140			
PCB 1260	379	28.6	µg/kg wet	357		106	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg wet	*28.6*		*100*	*30-150*			
Duplicate (5090007-DUP1)		**Source: SA33147-01**		Prepared: 01-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	BRL	31.3	µg/kg dry		BRL				40	
PCB 1221	BRL	31.3	µg/kg dry		BRL				40	
PCB 1232	BRL	31.3	µg/kg dry		BRL				40	
PCB 1242	BRL	31.3	µg/kg dry		BRL				40	
PCB 1248	BRL	31.3	µg/kg dry		BRL				40	
PCB 1254	BRL	31.3	µg/kg dry		BRL				40	
PCB 1260	BRL	31.3	µg/kg dry		BRL				40	
PCB 1262	BRL	31.3	µg/kg dry		BRL				40	
PCB 1268	BRL	31.3	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.2*		µg/kg dry	*31.3*		*90.1*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*32.9*		µg/kg dry	*31.3*		*105*	*30-150*			
Matrix Spike (5090007-MS1)		**Source: SA33147-01**		Prepared: 01-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	373	29.5	µg/kg dry	368	BRL	101	40-140			
PCB 1260	383	29.5	µg/kg dry	368	BRL	104	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.5*		µg/kg dry	*29.5*		*89.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*26.5*		µg/kg dry	*29.5*		*89.8*	*30-150*			
Matrix Spike Dup (5090007-MSD1)		**Source: SA33147-01**		Prepared: 01-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	342	29.8	µg/kg dry	372	BRL	91.9	40-140	9.43	50	
PCB 1260	357	29.8	µg/kg dry	372	BRL	96.0	40-140	8.00	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.8*		µg/kg dry	*29.8*		*89.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*28.3*		µg/kg dry	*29.8*		*95.0*	*30-150*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
Blank (5090100-BLK1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	BRL	66.0	µg/kg wet							
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	66.0	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Anthracene	BRL	66.0	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	66.0	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	66.0	µg/kg wet							
Benzo (b) fluoranthene	BRL	66.0	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	66.0	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	66.0	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	66.0	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	66.0	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3'-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	66.0	µg/kg wet							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
Blank (5090100-BLK1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Fluorene	BRL	66.0	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	66.0	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	66.0	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	66.0	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	66.0	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenanthrene	BRL	66.0	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyrene	BRL	66.0	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*4490*		µg/kg wet	*6670*		*67.3*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*4490*		µg/kg wet	*6670*		*67.3*	*30-130*			
Surrogate: 2-Fluorophenol	*4670*		µg/kg wet	*6670*		*70.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*4440*		µg/kg wet	*6670*		*66.6*	*30-130*			
Surrogate: Phenol-d5	*4770*		µg/kg wet	*6670*		*71.5*	*15-110*			
Surrogate: Terphenyl-dl4	*5580*		µg/kg wet	*6670*		*83.7*	*30-130*			
Surrogate: Terphenyl-dl4	*5580*		µg/kg wet	*6670*		*83.7*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3700*		µg/kg wet	*6670*		*55.5*	*15-110*			
LCS (5090100-BS1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	4320	66.0	µg/kg wet	6670		64.8	40-140			
Acenaphthene	4320	330	µg/kg wet	6670		64.8	40-130			
Acenaphthylene	6020	330	µg/kg wet	6670		90.3	40-130			
Acenaphthylene	6020	66.0	µg/kg wet	6670		90.3	40-140			
Aniline	4700	330	µg/kg wet	6670		70.5	40-130			
nthracene	4670	330	µg/kg wet	6670		70.0	40-130			
Anthracene	4670	66.0	µg/kg wet	6670		70.0	40-140			
Atrazine	5030	330	µg/kg wet	6670		75.4	40-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
LCS (5090100-BS1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Azobenzene/Diphenyldiazine	4900	330	µg/kg wet	6670		73.5	40-130			
Benzidine	4590	330	µg/kg wet	6670		68.8	40-130			
Benzo (a) anthracene	4470	330	µg/kg wet	6670		67.0	40-130			
Benzo (a) anthracene	4470	66.0	µg/kg wet	6670		67.0	40-140			
Benzo (a) pyrene	4100	330	µg/kg wet	6670		61.5	40-130			
Benzo (a) pyrene	4100	66.0	µg/kg wet	6670		61.5	40-140			
Benzo (b) fluoranthene	4710	330	µg/kg wet	6670		70.6	40-130			
Benzo (b) fluoranthene	4710	66.0	µg/kg wet	6670		70.6	40-140			
Benzo (g,h,i) perylene	4020	66.0	µg/kg wet	6670		60.3	40-140			
Benzo (g,h,i) perylene	4020	330	µg/kg wet	6670		60.3	40-130			
Benzo (k) fluoranthene	4190	330	µg/kg wet	6670		62.8	40-130			
Benzo (k) fluoranthene	4190	66.0	µg/kg wet	6670		62.8	40-140			
Benzoic acid	3610	330	µg/kg wet	6670		54.1	40-130			
Benzyl alcohol	4690	330	µg/kg wet	6670		70.3	40-130			
Bis(2-chloroethoxy)methane	4220	330	µg/kg wet	6670		63.3	40-130			
Bis(2-chloroethyl)ether	4410	330	µg/kg wet	6670		66.1	40-130			
Bis(2-chloroisopropyl)ether	5260	330	µg/kg wet	6670		78.9	40-130			
Bis(2-ethylhexyl)phthalate	4600	330	µg/kg wet	6670		69.0	40-130			
4-Bromophenyl phenyl ether	4480	330	µg/kg wet	6670		67.2	40-130			
Butyl benzyl phthalate	4540	330	µg/kg wet	6670		68.1	40-130			
Carbazole	5940	330	µg/kg wet	6670		89.1	40-130			
4-Chloro-3-methylphenol	4620	330	µg/kg wet	6670		69.3	40-130			
4-Chloroaniline	5080	330	µg/kg wet	6670		76.2	40-130			
2-Chloronaphthalene	4260	330	µg/kg wet	6670		63.9	40-130			
2-Chlorophenol	4070	330	µg/kg wet	6670		61.0	40-130			
4-Chlorophenyl phenyl ether	4120	330	µg/kg wet	6670		61.8	40-130			
Chrysene	4020	66.0	µg/kg wet	6670		60.3	40-140			
Chrysene	4020	330	µg/kg wet	6670		60.3	40-130			
Dibenzo (a,h) anthracene	3690	330	µg/kg wet	6670		55.3	40-130			
Dibenzo (a,h) anthracene	3690	66.0	µg/kg wet	6670		55.3	40-140			
Dibenzofuran	4580	330	µg/kg wet	6670		68.7	40-130			
1,2-Dichlorobenzene	3620	330	µg/kg wet	6670		54.3	40-130			
1,3-Dichlorobenzene	4150	330	µg/kg wet	6670		62.2	40-130			
1,4-Dichlorobenzene	3850	330	µg/kg wet	6670		57.7	40-130			
3,3′-Dichlorobenzidine	5480	330	µg/kg wet	6670		82.2	40-130			
2,4-Dichlorophenol	4690	330	µg/kg wet	6670		70.3	40-130			
Diethyl phthalate	4480	330	µg/kg wet	6670		67.2	40-130			
Dimethyl phthalate	4590	330	µg/kg wet	6670		68.8	40-130			
2,4-Dimethylphenol	4570	330	µg/kg wet	6670		68.5	40-130			
Di-n-butyl phthalate	4780	330	µg/kg wet	6670		71.7	40-130			
4,6-Dinitro-2-methylphenol	4570	330	µg/kg wet	6670		68.5	40-130			
2,4-Dinitrophenol	4110	330	µg/kg wet	6670		61.6	40-130			
2,4-Dinitrotoluene	4770	330	µg/kg wet	6670		71.5	40-130			
2,6-Dinitrotoluene	4670	330	µg/kg wet	6670		70.0	40-130			
Di-n-octyl phthalate	4580	330	µg/kg wet	6670		68.7	40-130			
Fluoranthene	4600	330	µg/kg wet	6670		69.0	40-130			
Fluoranthene	4600	66.0	µg/kg wet	6670		69.0	40-140			
Fluorene	4530	66.0	µg/kg wet	6670		67.9	40-140			
Fluorene	4530	330	µg/kg wet	6670		67.9	40-130			
Hexachlorobenzene	3960	330	µg/kg wet	6670		59.4	40-130			
Hexachlorobutadiene	4140	330	µg/kg wet	6670		62.1	40-130			
Hexachlorocyclopentadiene	4080	330	µg/kg wet	6670		61.2	40-130			
Hexachloroethane	4260	330	µg/kg wet	6670		63.9	40-130			
Indeno (1,2,3-cd) pyrene	4330	330	µg/kg wet	6670		64.9	40-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
LCS (5090100-BS1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Indeno (1,2,3-cd) pyrene	4330	66.0	µg/kg wet	6670		64.9	40-140			
1-Methylnaphthalene	4030	66.0	µg/kg wet	6670		60.4	40-140			
Isophorone	4440	330	µg/kg wet	6670		66.6	40-130			
1-Methylnaphthalene	4030	330	µg/kg wet	6670		60.4	40-140			
2-Methylnaphthalene	4390	66.0	µg/kg wet	6670		65.8	40-140			
2-Methylnaphthalene	4390	330	µg/kg wet	6670		65.8	40-130			
2-Methylphenol	3800	330	µg/kg wet	6670		57.0	40-130			
3,4-Methylphenol	6680	330	µg/kg wet	6670		100	40-130			
Naphthalene	4150	66.0	µg/kg wet	6670		62.2	40-140			
Naphthalene	4150	330	µg/kg wet	6670		62.2	40-130			
2-Nitroaniline	5550	330	µg/kg wet	6670		83.2	40-130			
3-Nitroaniline	3320	330	µg/kg wet	6670		49.8	40-130			
4-Nitroaniline	5860	1320	µg/kg wet	6670		87.9	40-130			
Nitrobenzene	4400	330	µg/kg wet	6670		66.0	40-130			
2-Nitrophenol	4240	330	µg/kg wet	6670		63.6	40-130			
4-Nitrophenol	3370	1320	µg/kg wet	6670		50.5	40-130			
N-Nitrosodimethylamine	3490	330	µg/kg wet	6670		52.3	40-130			
N-Nitrosodi-n-propylamine	4080	330	µg/kg wet	6670		61.2	40-130			
N-Nitrosodiphenylamine	4430	330	µg/kg wet	6670		66.4	40-130			
Pentachlorophenol	6960	1320	µg/kg wet	6670		104	40-130			
Phenanthrene	4450	330	µg/kg wet	6670		66.7	40-130			
Phenanthrene	4450	66.0	µg/kg wet	6670		66.7	40-140			
Phenol	4980	330	µg/kg wet	6670		74.7	40-130			
Pyrene	4000	66.0	µg/kg wet	6670		60.0	40-140			
Pyrene	4000	330	µg/kg wet	6670		60.0	40-130			
Pyridine	4390	330	µg/kg wet	6670		65.8	40-130			
1,2,4-Trichlorobenzene	4180	330	µg/kg wet	6670		62.7	40-130			
2,4,5-Trichlorophenol	4410	330	µg/kg wet	6670		66.1	40-130			
2,4,6-Trichlorophenol	5220	330	µg/kg wet	6670		78.3	40-130			
Surrogate: 2-Fluorobiphenyl	*5150*		µg/kg wet	*6670*		*77.2*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*5150*		µg/kg wet	*6670*		*77.2*	*30-130*			
Surrogate: 2-Fluorophenol	*4100*		µg/kg wet	*6670*		*61.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*4690*		µg/kg wet	*6670*		*70.3*	*30-130*			
Surrogate: Phenol-d5	*3580*		µg/kg wet	*6670*		*53.7*	*15-110*			
Surrogate: Terphenyl-dl4	*4780*		µg/kg wet	*6670*		*71.7*	*30-130*			
Surrogate: Terphenyl-dl4	*4780*		µg/kg wet	*6670*		*71.7*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4710*		µg/kg wet	*6670*		*70.6*	*15-110*			
Duplicate (5090100-DUP1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	BRL	37.4	µg/kg dry		BRL				50	
Acenaphthene	BRL	187	µg/kg dry		BRL				50	
Acenaphthylene	BRL	37.4	µg/kg dry		BRL				50	
Acenaphthylene	BRL	187	µg/kg dry		BRL				50	
Aniline	BRL	187	µg/kg dry		BRL				50	
Anthracene	BRL	187	µg/kg dry		BRL				50	
Anthracene	BRL	37.4	µg/kg dry		BRL				50	
Atrazine	BRL	187	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	187	µg/kg dry		BRL				50	
Benzidine	BRL	187	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	187	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	37.4	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	37.4	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	187	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	187	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	37.4	µg/kg dry		BRL				50	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
Duplicate (5090100-DUP1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Benzo (g,h,i) perylene	BRL	37.4	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	187	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	37.4	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	187	µg/kg dry		BRL				50	
Benzoic acid	BRL	187	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	187	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	187	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	187	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	187	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	187	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	187	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	187	µg/kg dry		BRL				50	
Carbazole	BRL	187	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	187	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	187	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	187	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	187	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	187	µg/kg dry		BRL				50	
Chrysene	BRL	187	µg/kg dry		BRL				50	
Chrysene	BRL	37.4	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	187	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	37.4	µg/kg dry		BRL				50	
Dibenzofuran	BRL	187	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	187	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	187	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	187	µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	187	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	187	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	187	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	187	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	187	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	187	µg/kg dry		32.7				50	
4,6-Dinitro-2-methylphenol	BRL	187	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	187	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	187	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	187	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	187	µg/kg dry		BRL				50	
Fluoranthene	BRL	187	µg/kg dry		BRL				50	
Fluoranthene	BRL	37.4	µg/kg dry		BRL				50	
Fluorene	BRL	187	µg/kg dry		BRL				50	
Fluorene	BRL	37.4	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	187	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	187	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	187	µg/kg dry		BRL				50	
Hexachloroethane	BRL	187	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	37.4	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	187	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	37.4	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	187	µg/kg dry		BRL				50	
Isophorone	BRL	187	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	37.4	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	187	µg/kg dry		BRL				50	
2-Methylphenol	BRL	187	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	187	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
Duplicate (5090100-DUP1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Naphthalene	BRL	187	µg/kg dry		BRL				50	
Naphthalene	BRL	37.4	µg/kg dry		BRL				50	
2-Nitroaniline	BRL	187	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	187	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	748	µg/kg dry		BRL				50	
Nitrobenzene	BRL	187	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	187	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	748	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	187	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	187	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	187	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	748	µg/kg dry		BRL				50	
Phenanthrene	BRL	37.4	µg/kg dry		BRL				50	
Phenanthrene	BRL	187	µg/kg dry		BRL				50	
Phenol	BRL	187	µg/kg dry		BRL				50	
Pyrene	BRL	187	µg/kg dry		BRL				50	
Pyrene	BRL	37.4	µg/kg dry		BRL				50	
Pyridine	BRL	187	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	187	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	187	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	187	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry	*1890*		*59.3*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry	*1890*		*59.3*	*30-130*			
Surrogate: 2-Fluorophenol	*1510*		µg/kg dry	*1890*		*79.9*	*15-110*			
Surrogate: Nitrobenzene-d5	*1310*		µg/kg dry	*1890*		*69.3*	*30-130*			
Surrogate: Phenol-d5	*1220*		µg/kg dry	*1890*		*64.6*	*15-110*			
Surrogate: Terphenyl-dl4	*1380*		µg/kg dry	*1890*		*73.0*	*30-130*			
Surrogate: Terphenyl-dl4	*1380*		µg/kg dry	*1890*		*73.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1070*		µg/kg dry	*1890*		*56.6*	*15-110*			
Matrix Spike (5090100-MS1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	1810	38.0	µg/kg dry	3840	BRL	47.1	40-140			
Acenaphthene	1810	190	µg/kg dry	3840	BRL	47.1	40-140			
4-Chloro-3-methylphenol	4710	190	µg/kg dry	7680	BRL	61.3	30-130			
2-Chlorophenol	4190	190	µg/kg dry	7680	BRL	54.6	30-130			
1,4-Dichlorobenzene	1970	190	µg/kg dry	3840	BRL	51.3	40-140			
2,4-Dinitrotoluene	2140	190	µg/kg dry	3840	BRL	55.7	40-140			
4-Nitrophenol	4500	761	µg/kg dry	7680	BRL	58.6	30-130			
N-Nitrosodi-n-propylamine	1960	190	µg/kg dry	3840	BRL	51.0	40-140			
Pentachlorophenol	5660	761	µg/kg dry	7680	BRL	73.7	30-130			
Phenol	4390	190	µg/kg dry	7680	BRL	57.2	30-130			
Pyrene	2130	190	µg/kg dry	3840	BRL	55.5	40-140			
Pyrene	2130	38.0	µg/kg dry	3840	BRL	55.5	40-140			
1,2,4-Trichlorobenzene	1870	190	µg/kg dry	3840	BRL	48.7	40-140			
Surrogate: 2-Fluorobiphenyl	*1990*		µg/kg dry	*3840*		*51.8*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1990*		µg/kg dry	*3840*		*51.8*	*30-130*			
Surrogate: 2-Fluorophenol	*2170*		µg/kg dry	*3840*		*56.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*2050*		µg/kg dry	*3840*		*53.4*	*30-130*			
Surrogate: Phenol-d5	*1770*		µg/kg dry	*3840*		*46.1*	*15-110*			
Surrogate: Terphenyl-dl4	*2550*		µg/kg dry	*3840*		*66.4*	*30-130*			
Surrogate: Terphenyl-dl4	*2550*		µg/kg dry	*3840*		*66.4*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1930*		µg/kg dry	*3840*		*50.3*	*15-110*			
Matrix Spike Dup (5090100-MSD1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	1970	189	µg/kg dry	3810	BRL	51.7	40-140	9.31	30	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090100 - SW846 3550B										
Matrix Spike Dup (5090100-MSD1)		**Source: SA33367-03**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Acenaphthene	1970	37.7	µg/kg dry	3810	BRL	51.7	40-140	9.31	30	
4-Chloro-3-methylphenol	5140	189	µg/kg dry	7620	BRL	67.5	30-130	9.63	30	
2-Chlorophenol	4410	189	µg/kg dry	7620	BRL	57.9	30-130	5.87	30	
1,4-Dichlorobenzene	2080	189	µg/kg dry	3810	BRL	54.6	40-140	6.23	30	
2,4-Dinitrotoluene	2320	189	µg/kg dry	3810	BRL	60.9	40-140	8.92	30	
4-Nitrophenol	4870	755	µg/kg dry	7620	BRL	63.9	30-130	8.65	30	
N-Nitrosodi-n-propylamine	2110	189	µg/kg dry	3810	BRL	55.4	40-140	8.27	30	
Pentachlorophenol	6290	755	µg/kg dry	7620	BRL	82.5	30-130	11.3	30	
Phenol	4730	189	µg/kg dry	7620	BRL	62.1	30-130	8.21	30	
Pyrene	2330	189	µg/kg dry	3810	BRL	61.2	40-140	9.77	30	
Pyrene	2330	37.7	µg/kg dry	3810	BRL	61.2	40-140	9.77	30	
1,2,4-Trichlorobenzene	2000	189	µg/kg dry	3810	BRL	52.5	40-140	7.51	30	
Surrogate: 2-Fluorobiphenyl	*2180*		µg/kg dry	*3810*		*57.2*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2180*		µg/kg dry	*3810*		*57.2*	*30-130*			
Surrogate: 2-Fluorophenol	*2350*		µg/kg dry	*3810*		*61.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*2200*		µg/kg dry	*3810*		*57.7*	*30-130*			
Surrogate: Phenol-d5	*1930*		µg/kg dry	*3810*		*50.7*	*15-110*			
Surrogate: Terphenyl-dl4	*2790*		µg/kg dry	*3810*		*73.2*	*30-130*			
Surrogate: Terphenyl-dl4	*2790*		µg/kg dry	*3810*		*73.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2110*		µg/kg dry	*3810*		*55.4*	*15-110*			
Batch 5090512 - SW846 1312										
Blank (5090512-BLK1)				Prepared & Analyzed: 08-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090521 - SW846 3535										
Blank (5090521-BLK1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
Naphthalene	BRL	5.00	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*221*		µg/l	*400*		*55.2*	*30-130*			
Surrogate: Terphenyl-dl4	*243*		µg/l	*400*		*60.8*	*30-130*			
LCS (5090521-BS1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	268	5.00	µg/l	400		67.0	40-140			
Acenaphthylene	287	5.00	µg/l	400		71.8	40-140			
Anthracene	295	5.00	µg/l	400		73.8	40-140			
Benzo (a) anthracene	297	5.00	µg/l	400		74.2	40-140			
Benzo (a) pyrene	274	5.00	µg/l	400		68.5	40-140			
Benzo (b) fluoranthene	261	5.00	µg/l	400		65.2	40-140			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090521 - SW846 3535										
LCS (5090521-BS1)				Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Benzo (g,h,i) perylene	247	5.00	µg/l	400		61.8	40-140			
Benzo (k) fluoranthene	254	5.00	µg/l	400		63.5	40-140			
Chrysene	276	5.00	µg/l	400		69.0	40-140			
Dibenzo (a,h) anthracene	234	5.00	µg/l	400		58.5	40-140			
Fluoranthene	303	5.00	µg/l	400		75.8	40-140			
Fluorene	275	5.00	µg/l	400		68.8	40-140			
Indeno (1,2,3-cd) pyrene	255	5.00	µg/l	400		63.8	40-140			
1-Methylnaphthalene	259	5.00	µg/l	400		64.8	40-140			
2-Methylnaphthalene	261	5.00	µg/l	400		65.2	40-140			
Naphthalene	259	5.00	µg/l	400		64.8	40-140			
Phenanthrene	279	5.00	µg/l	400		69.8	40-140			
Pyrene	264	5.00	µg/l	400		66.0	40-140			
Surrogate: 2-Fluorobiphenyl	*272*		µg/l	*400*		*68.0*	*30-130*			
Surrogate: Terphenyl-dl4	*260*		µg/l	*400*		*65.0*	*30-130*			
Duplicate (5090521-DUP1)		**Source: SA33315-02**		Prepared: 09-Sep-05 Analyzed: 10-Sep-05						
Acenaphthene	7.76	5.00	µg/l		6.40			19.2	50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	12.2	5.00	µg/l		11.4			6.78	50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	
1-Methylnaphthalene	BRL	5.00	µg/l		BRL				200	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
Phenanthrene	21.1	5.00	µg/l		19.4			8.40	50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*239*		µg/l	*400*		*59.8*	*30-130*			
Surrogate: Terphenyl-dl4	*185*		µg/l	*400*		*46.2*	*30-130*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090083 - EPA200/SW7000 Series										
Blank (5090083-BLK1)				Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5090083-BS1)				Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	0.913	0.179	mg/kg wet	0.893		102	80-120			
Duplicate (5090083-DUP1)		**Source: SA33196-01**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	BRL	0.223	mg/kg dry		0.137			11.6	35	
Duplicate (5090083-DUP2)		**Source: SA33227-01**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	BRL	0.228	mg/kg dry		BRL				35	
Matrix Spike (5090083-MS1)		**Source: SA33317-02**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	0.605	0.223	mg/kg dry	0.519	4.25	NR	75-125			QM-07
Matrix Spike (5090083-MS2)		**Source: SA33218-03**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	4.27	0.181	mg/kg dry	0.422	BRL	NR	75-125			QM-07
Matrix Spike Dup (5090083-MSD1)		**Source: SA33317-02**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	0.527	0.232	mg/kg dry	0.539	4.25	NR	75-125	13.8	35	QM-07
Matrix Spike Dup (5090083-MSD2)		**Source: SA33218-03**		Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	4.69	0.187	mg/kg dry	0.435	BRL	NR	75-125	9.38	35	QM-07
Reference (5090083-SRM1)				Prepared: 02-Sep-05 Analyzed: 06-Sep-05						
Mercury	1.26	0.179	mg/kg wet	1.31		96.2	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090082 - EPA 200 Series									
Blank (5090082-BLK1)			Prepared & Analyzed: 02-Sep-05						
Vanadium	BRL	1.00 mg/kg wet							
Zinc	1.14	1.00 mg/kg wet							QB-01
Antimony	BRL	3.00 mg/kg wet							
Thallium	BRL	3.00 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Silver	BRL	2.00 mg/kg wet							
Nickel	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Beryllium	BRL	0.400 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Lead	BRL	1.50 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
LCS (5090082-BS1)			Prepared & Analyzed: 02-Sep-05						
Zinc	96.2	1.00 mg/kg wet	100		96.2	85-115			
Silver	43.5	2.00 mg/kg wet	50.0		87.0	85-115			
Nickel	99.7	1.00 mg/kg wet	100		99.7	85-115			
Antimony	94.9	3.00 mg/kg wet	100		94.9	85-115			
Selenium	98.8	3.00 mg/kg wet	100		98.8	85-115			
Vanadium	92.7	1.00 mg/kg wet	100		92.7	85-115			
Thallium	94.8	3.00 mg/kg wet	100		94.8	85-115			
Lead	94.0	1.50 mg/kg wet	100		94.0	85-115			
Copper	93.1	1.00 mg/kg wet	100		93.1	85-115			
Chromium	92.3	1.00 mg/kg wet	100		92.3	85-115			
Beryllium	98.1	0.400 mg/kg wet	100		98.1	85-115			
Cadmium	98.3	0.500 mg/kg wet	100		98.3	85-115			
Arsenic	92.6	3.00 mg/kg wet	100		92.6	85-115			
Barium	96.3	1.00 mg/kg wet	100		96.3	85-115			
Duplicate (5090082-DUP1)		**Source: SA33196-01**	Prepared & Analyzed: 02-Sep-05						
Nickel	4.64	0.613 mg/kg dry		4.58			1.30	35	
Silver	BRL	1.23 mg/kg dry		BRL				35	
Selenium	BRL	1.84 mg/kg dry		BRL				35	
Thallium	BRL	1.84 mg/kg dry		BRL				35	
Vanadium	12.1	0.613 mg/kg dry		12.3			1.64	35	
Zinc	63.0	0.613 mg/kg dry		58.9			6.73	35	
Antimony	1.88	1.84 mg/kg dry		2.15			13.4	35	
Chromium	9.10	0.613 mg/kg dry		8.77			3.69	35	
Beryllium	0.374	0.245 mg/kg dry		0.364			2.71	35	
Copper	9.60	0.613 mg/kg dry		9.14			4.91	35	
Lead	56.5	0.919 mg/kg dry		56.1			0.710	35	
Cadmium	BRL	0.306 mg/kg dry		0.103			0.966	35	
Arsenic	6.40	1.84 mg/kg dry		5.60			13.3	35	
Barium	42.0	0.613 mg/kg dry		40.6			3.39	35	
Duplicate (5090082-DUP2)		**Source: SA33227-01**	Prepared & Analyzed: 02-Sep-05						
Vanadium	15.7	0.670 mg/kg dry		16.3			3.75	35	
Silver	BRL	1.34 mg/kg dry		BRL				35	
Nickel	12.6	0.670 mg/kg dry		12.0			4.88	35	
Zinc	190	0.670 mg/kg dry		183			3.75	35	
Antimony	BRL	4.69 mg/kg dry		3.49			25.7	35	
Selenium	BRL	2.01 mg/kg dry		BRL				35	
Thallium	BRL	2.01 mg/kg dry		BRL				35	
Chromium	13.6	0.670 mg/kg dry		13.4			1.48	35	

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090082 - EPA 200 Series										
Duplicate (5090082-DUP2)		**Source: SA33227-01**		Prepared & Analyzed: 02-Sep-05						
Copper	53.8	0.670	mg/kg dry		53.4			0.746	35	
Lead	79.0	1.01	mg/kg dry		83.9			6.02	35	
Arsenic	4.81	2.01	mg/kg dry		5.33			10.3	35	
Beryllium	0.677	0.268	mg/kg dry		0.746			9.70	35	
Cadmium	1.13	0.335	mg/kg dry		1.24			9.28	35	
Barium	32.4	0.670	mg/kg dry		34.1			5.11	35	
Matrix Spike (5090082-MS1)		**Source: SA33317-02**		Prepared & Analyzed: 02-Sep-05						
Selenium	54.7	2.01	mg/kg dry	67.1	BRL	81.5	70-130			
Thallium	63.5	2.01	mg/kg dry	67.1	BRL	94.6	70-130			
Silver	33.3	1.34	mg/kg dry	33.5	2.44	92.1	70-130			
Nickel	102	0.671	mg/kg dry	67.1	14.9	130	70-130			
Antimony	95.4	2.01	mg/kg dry	67.1	23.8	107	70-130			
Zinc	770	0.671	mg/kg dry	67.1	624	218	70-130			QM-4X
Vanadium	79.7	0.671	mg/kg dry	67.1	19.8	89.3	70-130			
Copper	651	0.671	mg/kg dry	67.1	1040	NR	70-130			QM-4X
Arsenic	85.9	2.01	mg/kg dry	67.1	17.2	102	70-130			
Beryllium	64.8	0.268	mg/kg dry	67.1	0.355	96.0	70-130			
Lead	227	1.01	mg/kg dry	67.1	246	NR	70-130			QM-07
Cadmium	64.6	0.335	mg/kg dry	67.1	1.83	93.5	70-130			
Chromium	138	0.671	mg/kg dry	67.1	37.0	151	70-130			QM-07
Barium	681	0.671	mg/kg dry	67.1	548	198	70-130			QM-4X
Matrix Spike (5090082-MS2)		**Source: SA33218-03**		Prepared & Analyzed: 02-Sep-05						
Thallium	61.0	1.64	mg/kg dry	54.6	BRL	112	70-130			
Silver	27.7	1.09	mg/kg dry	27.3	BRL	101	70-130			
Nickel	67.5	0.546	mg/kg dry	54.6	4.58	115	70-130			
Antimony	57.7	1.64	mg/kg dry	54.6	1.09	104	70-130			
Zinc	78.7	0.546	mg/kg dry	54.6	16.5	114	70-130			
Vanadium	75.7	0.546	mg/kg dry	54.6	14.4	112	70-130			
Selenium	56.2	1.64	mg/kg dry	54.6	BRL	103	70-130			
Arsenic	59.6	1.64	mg/kg dry	54.6	BRL	109	70-130			
Beryllium	62.8	0.218	mg/kg dry	54.6	0.263	115	70-130			
Cadmium	61.6	0.273	mg/kg dry	54.6	BRL	113	70-130			
Chromium	64.0	0.546	mg/kg dry	54.6	5.42	107	70-130			
Copper	71.4	0.546	mg/kg dry	54.6	12.1	109	70-130			
Lead	29.0	0.819	mg/kg dry	54.6	11.8	31.5	70-130			QM-07
Barium	111	0.546	mg/kg dry	54.6	35.3	139	70-130			QM-07
Matrix Spike Dup (5090082-MSD1)		**Source: SA33317-02**		Prepared & Analyzed: 02-Sep-05						
Silver	30.8	1.29	mg/kg dry	32.3	2.44	87.8	70-130	7.80	35	
Zinc	769	0.646	mg/kg dry	64.6	624	224	70-130	0.130	35	QM-4X
Nickel	79.5	0.646	mg/kg dry	64.6	14.9	100	70-130	24.8	35	
Antimony	91.5	1.94	mg/kg dry	64.6	23.8	105	70-130	4.17	35	
Vanadium	77.4	0.646	mg/kg dry	64.6	19.8	89.2	70-130	2.93	35	
Thallium	59.1	1.94	mg/kg dry	64.6	BRL	91.5	70-130	7.18	35	
Selenium	58.7	1.94	mg/kg dry	64.6	BRL	90.9	70-130	7.05	35	
Lead	353	0.968	mg/kg dry	64.6	246	166	70-130	43.4	35	QM-07
Chromium	99.4	0.646	mg/kg dry	64.6	37.0	96.6	70-130	32.5	35	
Copper	1480	0.646	mg/kg dry	64.6	1040	681	70-130	77.8	35	QM-4X
Cadmium	63.7	0.323	mg/kg dry	64.6	1.83	95.8	70-130	1.40	35	
Beryllium	63.8	0.258	mg/kg dry	64.6	0.355	98.2	70-130	1.56	35	
Arsenic	79.1	1.94	mg/kg dry	64.6	17.2	95.8	70-130	8.24	35	
Barium	518	0.646	mg/kg dry	64.6	548	NR	70-130	27.2	35	QM-4X
Matrix Spike Dup (5090082-MSD2)		**Source: SA33218-03**		Prepared & Analyzed: 02-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090082 - EPA 200 Series										
Matrix Spike Dup (5090082-MSD2)		**Source: SA33218-03**		Prepared & Analyzed: 02-Sep-05						
Selenium	47.2	1.62	mg/kg dry	53.8	BRL	87.7	70-130	17.4	35	
Vanadium	64.9	0.538	mg/kg dry	53.8	14.4	93.9	70-130	15.4	35	
Silver	23.4	1.08	mg/kg dry	26.9	BRL	87.0	70-130	16.8	35	
Thallium	52.0	1.62	mg/kg dry	53.8	BRL	96.7	70-130	15.9	35	
Antimony	49.0	1.62	mg/kg dry	53.8	1.09	89.1	70-130	16.3	35	
Nickel	57.8	0.538	mg/kg dry	53.8	4.58	98.9	70-130	15.5	35	
Zinc	68.5	0.538	mg/kg dry	53.8	16.5	96.7	70-130	13.9	35	
Arsenic	50.2	1.62	mg/kg dry	53.8	BRL	93.3	70-130	17.1	35	
Beryllium	54.3	0.215	mg/kg dry	53.8	0.263	100	70-130	14.5	35	
Cadmium	52.1	0.269	mg/kg dry	53.8	BRL	96.8	70-130	16.7	35	
Chromium	55.6	0.538	mg/kg dry	53.8	5.42	93.3	70-130	14.0	35	
Copper	61.4	0.538	mg/kg dry	53.8	12.1	91.6	70-130	15.1	35	
Lead	61.4	0.808	mg/kg dry	53.8	11.8	92.2	70-130	71.7	35	QM-07
Barium	92.2	0.538	mg/kg dry	53.8	35.3	106	70-130	18.5	35	
Reference (5090082-SRM1)				Prepared & Analyzed: 02-Sep-05						
Zinc	586	1.00	mg/kg wet	608		96.4	85-115			
Vanadium	57.4	1.00	mg/kg wet	60.3		95.2	85-115			
Silver	23.9	2.00	mg/kg wet	24.6		97.2	85-115			
Thallium	51.4	3.00	mg/kg wet	51.1		101	85-115			
Nickel	49.2	1.00	mg/kg wet	48.5		101	85-115			
Selenium	110	3.00	mg/kg wet	107		103	85-115			
Arsenic	65.8	3.00	mg/kg wet	67.8		97.1	85-115			
Copper	65.7	1.00	mg/kg wet	63.7		103	85-115			
Beryllium	2.51	0.400	mg/kg wet	2.30		109	85-115			
Cadmium	110	0.500	mg/kg wet	109		101	85-115			
Chromium	51.8	1.00	mg/kg wet	54.2		95.6	85-115			
Barium	11.2	1.00	mg/kg wet	12.4		90.3	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090492 - SW846 1312										
Blank (5090492-BLK1)				Prepared & Analyzed: 08-Sep-05						
SPLP Extraction	Completed	N/A								
Blank (5090492-BLK2)				Prepared & Analyzed: 08-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090540 - SW846 3010A										
Blank (5090540-BLK1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	BRL	0.0025	mg/l							
Vanadium	BRL	0.0025	mg/l							
Lead	BRL	0.0038	mg/l							
Chromium	BRL	0.0025	mg/l							
Copper	BRL	0.0025	mg/l							
Barium	BRL	0.0025	mg/l							
LCS (5090540-BS1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Lead	0.502	0.0038	mg/l	0.500		100	85-115			
Vanadium	0.497	0.0025	mg/l	0.500		99.4	85-115			
Nickel	0.524	0.0025	mg/l	0.500		105	85-115			
Copper	0.506	0.0025	mg/l	0.500		101	85-115			
Chromium	0.490	0.0025	mg/l	0.500		98.0	85-115			
Barium	0.518	0.0025	mg/l	0.500		104	85-115			
LCS Dup (5090540-BSD1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	0.526	0.0025	mg/l	0.500		105	85-115	0.381	20	
Lead	0.506	0.0038	mg/l	0.500		101	85-115	0.794	20	
Vanadium	0.500	0.0025	mg/l	0.500		100	85-115	0.602	20	
Copper	0.506	0.0025	mg/l	0.500		101	85-115	0.00	20	
Chromium	0.494	0.0025	mg/l	0.500		98.8	85-115	0.813	20	
Barium	0.518	0.0025	mg/l	0.500		104	85-115	0.00	20	
Duplicate (5090540-DUP1)		**Source: SA33367-04**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	BRL	0.0050	mg/l		BRL				20	
Vanadium	0.0108	0.0050	mg/l		0.0080			29.8	20	QR-05
Lead	0.0267	0.0075	mg/l		0.0148			57.3	20	QR-05
Copper	0.0245	0.0050	mg/l		0.0177			32.2	20	QR-05
Chromium	0.0056	0.0050	mg/l		0.0068			19.4	20	
Barium	0.0309	0.0050	mg/l		0.0226			31.0	20	QR-05
Matrix Spike (5090540-MS1)		**Source: SA33367-01**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Vanadium	0.930	0.0050	mg/l	1.00	0.0027	92.7	75-125			
Lead	0.934	0.0075	mg/l	1.00	0.0051	92.9	75-125			
Nickel	0.986	0.0050	mg/l	1.00	BRL	98.6	75-125			
Copper	0.947	0.0050	mg/l	1.00	0.0088	93.8	75-125			
Chromium	0.930	0.0050	mg/l	1.00	0.0033	92.7	75-125			
Barium	0.962	0.0050	mg/l	1.00	0.0129	94.9	75-125			
Matrix Spike Dup (5090540-MSD1)		**Source: SA33367-01**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Nickel	0.993	0.0050	mg/l	1.00	BRL	99.3	75-125	0.707	20	
Lead	0.970	0.0075	mg/l	1.00	0.0051	96.5	75-125	3.78	20	
Vanadium	0.937	0.0050	mg/l	1.00	0.0027	93.4	75-125	0.750	20	
Chromium	0.928	0.0050	mg/l	1.00	0.0033	92.5	75-125	0.215	20	
Copper	0.960	0.0050	mg/l	1.00	0.0088	95.1	75-125	1.36	20	
Barium	0.992	0.0050	mg/l	1.00	0.0129	97.9	75-125	3.07	20	
Batch 5090541 - EPA200/SW7000 Series										
Blank (5090541-BLK1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	BRL	0.00040	mg/l							
LCS (5090541-BS1)				Prepared: 09-Sep-05 Analyzed: 12-Sep-05						

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090541 - EPA200/SW7000 Series										
Mercury	0.00262	0.00040	mg/l	0.00250		105	80-120			
Duplicate (5090541-DUP1)		**Source: SA32465-05**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	BRL	0.00040	mg/l		BRL				35	
Matrix Spike (5090541-MS1)		**Source: SA32465-03**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00240	0.00040	mg/l	0.00250	BRL	96.0	75-125			
Matrix Spike Dup (5090541-MSD1)		**Source: SA32465-03**		Prepared: 09-Sep-05 Analyzed: 12-Sep-05						
Mercury	0.00244	0.00040	mg/l	0.00250	BRL	97.6	75-125	1.65	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090129 - General Preparation										
Duplicate (5090129-DUP1)		**Source: SA33387-03**		Prepared & Analyzed: 02-Sep-05						
% Solids	92.0		%		90.6			1.53	20	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33367-01 SA33367-02 SA33367-03 SA33367-04 SA33367-05 SA33367-06 SA33367-07	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/13/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 33420, D MM

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

WH501271 (QP) Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M.Winfield / David Ringquist
CEE / CT DEP
100 Shield St. / 79 Elm St.
W. Hartford, CT / Hartford, CT
P.O. No.: 06110 RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets, Meriden, CT State: _____
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH by CT Method	VOCs by 5035/8260	SVOCs by 8270	PAHs only by 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn +	Total Sb, Be, Tl, Va	VOCs 8260	QA Reporting Notes:
33429-01	JTP050831-49	8-31-05	9:25	G	S	8,9	3	2			X	X		X		X	X	X	X		SPLP Pb, V, Cu, Hg
-02	JTP050831-52	↓	10:45	↓	S	↓	3	2			X	X		X		X	X	X	X		SPLP Pb, V, Ba, Be Cr
-03	JTP050831-57		12:00		S		3	2			X	X		X			X	X	X		SPLP Ag, Pb, V, Hg Cr Ni
-04	JTP050831-59		13:20		S		3	2			X	X		X			X	X	X		SPLP PAHs, Pb, V, Hg Cr Ni
-05	JTP050831-63		15:00		S	↓	3	2			X	X		X			X	X	X		SPLP Pb, V, Cr
-06	JTP050831-64		16:00		W	2	2													X	
-07	JTP050831-65	↓	16:05	↓	W	2	2													X	

QA Reporting Notes: X (check if needed) Yes
State specific reporting standards if applicable, please list below.
☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

ANALYSIS
per client fax
9/8/05

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Relinquished by:	Received by:	Date:	Time:
Joseph T. Rh III	[signature]	9/1/05	11:33
[signature]	Manuel Melendez	9/1/05	1446

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 7C

AOC-6 and AOC-7
CMLEH

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 Day TAT
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
West Hartford, CT | Hartford, CT 06106
P.O. No.: 06110 | RQN: _____

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP Silver	SPLP PAHs	SPLP Pb + Vanadium	SPLP Copper	SPLP Mercury	SPLP Barium	SPLP Beryllium	SPLP Chromium	SPLP Nickel
SA	33429-01	JTP050831-49	8-31-05	9:25	G	S	8,9	3	2					X	X	X	[redacted]	[redacted]	[redacted]	
SA	33429-02	JTP050831-52	↓	10:45	↓	↓	↓	↓	↓					X			X	X	X	
SA	33429-03	JTP050831-57	↓	12:00	↓	↓	↓	↓	↓			X		X		X			X	X
SA	33429-04	JTP050831-59	↓	13:20	↓	↓	↓	↓	↓				X	X		X			X	X
SA	33429-05	JTP050831-63	↓	15:00	↓	↓	↓	↓	↓					X					X	

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-6 and AOC-7

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-[illegible]-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
13-Sep-05 15:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33429-01	JTP050831-49	Soil	31-Aug-05 09:25	01-Sep-05 14:46
SA33429-02	JTP050831-52	Soil	31-Aug-05 10:45	01-Sep-05 14:46
SA33429-03	JTP050831-57	Soil	31-Aug-05 12:00	01-Sep-05 14:46
SA33429-04	JTP050831-59	Soil	31-Aug-05 13:20	01-Sep-05 14:46
SA33429-05	JTP050831-63	Soil	31-Aug-05 15:00	01-Sep-05 14:46
SA33429-06	JTP050831-64	Water	31-Aug-05 16:00	01-Sep-05 14:46
SA33429-07	JTP050831-65	Water	31-Aug-05 16:05	01-Sep-05 14:46

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 55 pages of analytical data plus Chain of Custody document(s).
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Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-49 SA33429-01	CEE Project #2005.045	Soil	31-Aug-05 09:25	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	01-Sep-05	01-Sep-05	5090106	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1470 µg/kg dry	50	SW846 8260B	02-Sep-05	03-Sep-05	5090160	RLJ	
107-13-1	Acrylonitrile	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	147 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	735 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	542	73.5 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	175	73.5 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	368 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	147 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	147 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	147 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	147 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	137	73.5 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	735 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	292	73.5 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	85.3	73.5 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-49 SA33429-01	CEE Project #2005.045	Soil	31-Aug-05 09:25	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	BRL	73.5 µg/kg dry	50	SW846 8260B	02-Sep-05	03-Sep-05	5090160	RLJ	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	735 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	735 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	602	73.5 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	610	73.5 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	766	73.5 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	416	73.5 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	147 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	73.5 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*117*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96.8*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3545A							
8006-61-9	Gasoline	Calculated as	33.6 mg/kg dry	1	+CT ETPH	05-Sep-05	07-Sep-05	5090241	KG	
68476-30-2	Fuel Oil #2	BRL	33.6 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	33.6 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	33.6 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	33.6 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	33.6 mg/kg dry	1	"	"	"	"	"	
	Unidentified	79.4	33.6 mg/kg dry	1	"	"	"	"	"	
	Other Oil	Calculated as	33.6 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	79.4	33.6 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	79.4	33.6 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*66.4*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-49 SA33429-01	CEE Project #2005.045	Soil	31-Aug-05 09:25	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							
12674-11-2	PCB 1016	BRL	36.7 µg/kg dry	1	SW846 8082	02-Sep-05	04-Sep-05	5090092	SM	
11104-28-2	PCB 1221	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	36.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95.1*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	BRL	167 µg/kg dry	1	SW846 8270C	05-Sep-05	06-Sep-05	5090242	M.B	
208-96-8	Acenaphthylene	BRL	167 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	401	167 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	804	167 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	526	167 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	383	167 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	280	167 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	475	167 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	749	167 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	167 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,310	167 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	167 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	250	167 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	167 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	290	167 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	808	167 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	1,300	167 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,130	167 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*60.7*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*61.4*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	2.06	0.217 mg/kg dry	1	SW846 7471A	03-Sep-05	07-Sep-05	5090164	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	6.66	1.26 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7440-38-2	Arsenic	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	110	0.631 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.423	0.253 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.499	0.316 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	9.48	0.631 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	1,690	0.631 mg/kg dry	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-49 SA33429-01	CEE Project #2005.045	Soil	31-Aug-05 09:25	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-02-0	Nickel	14.2	0.631 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7439-92-1	Lead	286	0.947 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	22.5	0.631 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	584	0.631 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090575	CR	
7440-50-8	Copper	0.176	0.0050 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	13-Sep-05	5090683	YP	
7439-92-1	Lead	BRL	0.0175 mg/l	1	SW846 6010B	"	13-Sep-05	5090682	RE	
7440-62-2	Vanadium	0.0150	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	77.4	%	1	SM2540 G Mod.	03-Sep-05	03-Sep-05	5090207	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-52 SA33429-02	CEE Project #2005.045	Soil	31-Aug-05 10:45	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	01-Sep-05	01-Sep-05	5090106	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5030 Soil (high level)						VOC10
67-64-1	Acetone	BRL	2320 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090201	RLJ	
107-13-1	Acrylonitrile	BRL	116 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	116 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	232 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1160 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	1,580	116 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	783	116 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	127	116 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	579 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	116 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	232 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	116 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	232 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	116 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	116 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	232 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	116 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	232 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	116 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	116 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	116 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	116 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	116 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	116 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	116 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	116 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	116 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	174	116 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	116 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1160 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	1,480	116 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	324	116 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-52 SA33429-02	CEE Project #2005.045	Soil	31-Aug-05 10:45	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	116 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090201	RLJ	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1160 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1160 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	3,110	116 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	2,970	116 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	116 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	116 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	116 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	116 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	116 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	116 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	116 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	116 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	705	116 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	301	116 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	116 µg/kg dry	50	"	"	"	"	"	
530-20-7	m,p-Xylene	BRL	232 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	116 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*111*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97.2*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3545A							
8006-61-9	Gasoline	Calculated as	41.9 mg/kg dry	1	+CT ETPH	05-Sep-05	07-Sep-05	5090241	KG	
68476-30-2	Fuel Oil #2	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
	Unidentified	179	41.9 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	41.9 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	179	41.9 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	179	41.9 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*61.6*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-52 SA33429-02	CEE Project #2005.045	Soil	31-Aug-05 10:45	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3545A					
12674-11-2	PCB 1016	BRL	34.2 µg/kg dry	1	SW846 8082	02-Sep-05	04-Sep-05	5090092	SM	
11104-28-2	PCB 1221	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	34.2 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	208 µg/kg dry	1	SW846 8270C	05-Sep-05	06-Sep-05	5090242	M.B	
208-96-8	Acenaphthylene	BRL	208 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	208 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	208 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	208 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	208 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	208 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	208 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	208 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	208 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	208 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	208 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	208 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	703	208 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	1,660	208 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	1,170	208 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	208 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	208 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.8*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*61.8*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.211 mg/kg dry	1	SW846 7471A	03-Sep-05	07-Sep-05	5090164	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.20 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7440-38-2	Arsenic	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	388	0.600 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	1.24	0.240 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.300 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	33.8	0.600 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	10.8	0.600 mg/kg dry	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-52 SA33429-02	CEE Project #2005.045	Soil	31-Aug-05 10:45	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-02-0	Nickel	12.9	0.600 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7439-92-1	Lead	19.8	0.900 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	106	0.600 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	65.7	0.600 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090575	CR	
7440-39-3	Barium	0.206	0.0050 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
7440-41-7	Beryllium	BRL	0.0020 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	0.0340	0.0050 mg/l	1	"	"	"	"	"	
7439-92-1	Lead	BRL	0.0175 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0720	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	79.0	%	1	SM2540 G Mod.	03-Sep-05	03-Sep-05	5090207	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-57 SA33429-03	CEE Project #2005.045	Soil	31-Aug-05 12:00	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	01-Sep-05	01-Sep-05	5090106	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	80.7 µg/kg dry	1	SW846 8260B	06-Sep-05	07-Sep-05	5090268	tim	
107-13-1	Acrylonitrile	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	20.2 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-57 SA33429-03	CEE Project #2005.045	Soil	31-Aug-05 12:00	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.0 µg/kg dry	1	SW846 8260B	06-Sep-05	07-Sep-05	5090268	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*93.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3545A							
8006-61-9	Gasoline	BRL	433 mg/kg dry	5	+CT ETPH	05-Sep-05	07-Sep-05	5090241	KG	
68476-30-2	Fuel Oil #2	BRL	433 mg/kg dry	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	433 mg/kg dry	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	433 mg/kg dry	5	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	433 mg/kg dry	5	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	433 mg/kg dry	5	"	"	"	"	"	
	Unidentified	796	433 mg/kg dry	5	"	"	"	"	"	
	Other Oil	BRL	433 mg/kg dry	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	796	433 mg/kg dry	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	796	433 mg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*91.5*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-57 SA33429-03	CEE Project #2005.045	Soil	31-Aug-05 12:00	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	BRL	2150 µg/kg dry	5	SW846 8270C	05-Sep-05	07-Sep-05	5090242	M.B	
208-96-8	Acenaphthylene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
120-12-7	Anthracene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
218-01-9	Chrysene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
86-73-7	Fluorene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
129-00-0	Pyrene	BRL	2150 µg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*64.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68.7*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.763	0.183 mg/kg dry	1	SW846 7471A	03-Sep-05	07-Sep-05	5090164	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	7.67	1.02 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7440-38-2	Arsenic	5.82	1.53 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	78.7	0.511 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.404	0.204 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.266	0.256 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	13.5	0.511 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	239	0.511 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	20.5	0.511 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	151	0.767 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.53 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.53 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.53 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	34.5	0.511 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	167	0.511 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090575	CR	
7440-22-4	Silver	BRL	0.0100 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	13-Sep-05	5090683	YP	
7440-02-0	Nickel	BRL	0.0050 mg/l	1	SW846 6010B	"	13-Sep-05	5090682	RE	
7439-92-1	Lead	BRL	0.0175 mg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-57 SA33429-03	CEE Project #2005.045	Soil	31-Aug-05 12:00	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
General Chemistry Parameters										
	% Solids	87.2	%	1	SM2540 G Mod.	03-Sep-05	03-Sep-05	5090207	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-59 SA33429-04	CEE Project #2005.045	Soil	31-Aug-05 13:20	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	01-Sep-05	01-Sep-05	5090106	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
67-64-1	Acetone	BRL	916 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090201	RLJ	
107-13-1	Acrylonitrile	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	458 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	229 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	458 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-59 SA33429-04	CEE Project #2005.045	Soil	31-Aug-05 13:20	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
1634-04-4	Methyl tert-butyl ether	BRL	45.8 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090201	RLJ	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	458 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	458 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	91.6 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	45.8 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*109*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.2*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3545A							
8006-61-9	Gasoline	BRL	71.3 mg/kg dry	1	+CT ETPH	05-Sep-05	07-Sep-05	5090241	KG	
68476-30-2	Fuel Oil #2	BRL	71.3 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	71.3 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	71.3 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	71.3 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	71.3 mg/kg dry	1	"	"	"	"	"	
	Unidentified	431	71.3 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	71.3 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	431	71.3 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	431	71.3 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*208*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090577	CR	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-59 SA33429-04	CEE Project #2005.045	Soil	31-Aug-05 13:20	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	BRL	354 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090242	M.B	
208-96-8	Acenaphthylene	BRL	354 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	932	354 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	2,610	354 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	2,150	354 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	2,000	354 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	1,580	354 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,780	354 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	2,340	354 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	368	354 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	5,410	354 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	354 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	1,540	354 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	354 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	354 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	354 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	3,460	354 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	3,710	354 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*57.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*57.5*	*30-130 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	12-Sep-05	12-Sep-05	5090650		
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*30.8*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*37.0*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	2.30	0.180 mg/kg dry	1	SW846 7471A	03-Sep-05	07-Sep-05	5090164	YP	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-59 SA33429-04	CEE Project #2005.045	Soil	31-Aug-05 13:20	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	2.67	1.05 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7440-38-2	Arsenic	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	132	0.523 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.528	0.209 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.324	0.262 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	15.8	0.523 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	148	0.523 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	50.5	0.523 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	143	0.785 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	38.4	0.523 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	159	0.523 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090575	CR	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
7439-97-6	Mercury	0.00048	0.00040 mg/l	1	SW846 7470A	"	13-Sep-05	5090683	YP	
7440-02-0	Nickel	BRL	0.0050 mg/l	1	SW846 6010B	"	13-Sep-05	5090682	RE	
7439-92-1	Lead	BRL	0.0175 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0060	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	91.3	%	1	SM2540 G Mod.	03-Sep-05	03-Sep-05	5090207	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-63 SA33429-05	CEE Project #2005.045	Soil	31-Aug-05 15:00	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	01-Sep-05	01-Sep-05	5090106	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	117 µg/kg dry	1	SW846 8260B	06-Sep-05	07-Sep-05	5090268	tim	
107-13-1	Acrylonitrile	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	58.3 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	29.2 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	58.3 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-63 SA33429-05	CEE Project #2005.045	Soil	31-Aug-05 15:00	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	5.8 µg/kg dry	1	SW846 8260B	06-Sep-05	07-Sep-05	5090268	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	58.3 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	58.3 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
130-20-7	m,p-Xylene	BRL	11.7 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.2*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3545A							
8006-61-9	Gasoline	BRL	34.6 mg/kg dry	1	+CT ETPH	05-Sep-05	07-Sep-05	5090241	KG	
68476-30-2	Fuel Oil #2	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
	Unidentified	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	34.6 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*59.4*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-63 SA33429-05	CEE Project #2005.045	Soil	31-Aug-05 15:00	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	BRL	172 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090242	M.B	
208-96-8	Acenaphthylene	BRL	172 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	172 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	172 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	172 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	172 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	172 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	172 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	172 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	172 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	172 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	172 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	172 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	172 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	172 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	172 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	172 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	172 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*62.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.212 mg/kg dry	1	SW846 7471A	03-Sep-05	07-Sep-05	5090164	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.15 mg/kg dry	1	EPA 200.7	03-Sep-05	03-Sep-05	5090163	HB	
7440-38-2	Arsenic	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	79.2	0.576 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.513	0.231 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.288 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	21.1	0.576 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	125	0.576 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	16.8	0.576 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	39.9	0.865 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	49.7	0.576 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	67.7	0.576 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	11-Sep-05	11-Sep-05	5090575	CR	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	12-Sep-05	13-Sep-05	5090682	RE	
7439-92-1	Lead	BRL	0.0175 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	80.0	%	1	SM2540 G Mod.	03-Sep-05	03-Sep-05	5090207	BD	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-64 SA33429-06	CEE Project #2005.045	Water	31-Aug-05 16:00	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	04-Sep-05	05-Sep-05	5090240	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-64 SA33429-06	CEE Project #2005.045	Water	31-Aug-05 16:00	01-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	04-Sep-05	05-Sep-05	5090240	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*91.2*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*93.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91.0*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-65 SA33429-07	CEE Project #2005.045	Water	31-Aug-05 16:05	01-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	04-Sep-05	05-Sep-05	5090240	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
34-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050831-65 SA33429-07	CEE Project #2005.045	Water	31-Aug-05 16:05	01-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	04-Sep-05	05-Sep-05	5090240	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*91.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*91.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*88.0*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090160 - SW846 5030 Soil (high level)										
Blank (5090160-BLK1)				Prepared & Analyzed: 02-Sep-05						
Acetone	BRL	20.0	µg/kg wet							
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
etrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090160 - SW846 5030 Soil (high level)										
Blank (5090160-BLK1)				Prepared & Analyzed: 02-Sep-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg wet	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*50.0*		µg/kg wet	*50.0*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.1*		µg/kg wet	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
LCS (5090160-BS1)				Prepared & Analyzed: 02-Sep-05						
Acetone	19.2		µg/kg wet	20.0		96.0	0.663-201			
Acrylonitrile	27.1		µg/kg wet	20.0		136	70-130			QC-1
Benzene	16.8		µg/kg wet	20.0		84.0	70-130			
Bromobenzene	19.5		µg/kg wet	20.0		97.5	70-130			
Bromochloromethane	22.0		µg/kg wet	20.0		110	70-130			
Bromodichloromethane	17.1		µg/kg wet	20.0		85.5	70-130			
Bromoform	18.4		µg/kg wet	20.0		92.0	70-130			
Bromomethane	17.9		µg/kg wet	20.0		89.5	54-151			
2-Butanone (MEK)	16.4		µg/kg wet	20.0		82.0	6.66-154			
n-Butylbenzene	12.7		µg/kg wet	20.0		63.5	70-130			QC-1
sec-Butylbenzene	17.4		µg/kg wet	20.0		87.0	70-130			
tert-Butylbenzene	18.2		µg/kg wet	20.0		91.0	70-130			
Carbon disulfide	12.7		µg/kg wet	20.0		63.5	70-130			QC-1
Carbon tetrachloride	13.9		µg/kg wet	20.0		69.5	70-130			QC-1
Chlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130			
Chloroethane	17.5		µg/kg wet	20.0		87.5	64.5-148			
Chloroform	19.1		µg/kg wet	20.0		95.5	70-130			
Chloromethane	18.4		µg/kg wet	20.0		92.0	70-130			
2-Chlorotoluene	17.6		µg/kg wet	20.0		88.0	70-130			
4-Chlorotoluene	17.7		µg/kg wet	20.0		88.5	70-130			
1,2-Dibromo-3-chloropropane	21.0		µg/kg wet	20.0		105	70-130			
Dibromochloromethane	16.1		µg/kg wet	20.0		80.5	52-148			
1,2-Dibromoethane (EDB)	23.5		µg/kg wet	20.0		118	70-130			
Dibromomethane	23.2		µg/kg wet	20.0		116	70-130			
1,2-Dichlorobenzene	18.3		µg/kg wet	20.0		91.5	70-130			
1,3-Dichlorobenzene	18.2		µg/kg wet	20.0		91.0	70-130			
1,4-Dichlorobenzene	16.7		µg/kg wet	20.0		83.5	70-130			
Dichlorodifluoromethane (Freon12)	22.8		µg/kg wet	20.0		114	60.6-196			
1,1-Dichloroethane	18.6		µg/kg wet	20.0		93.0	70-130			
1,2-Dichloroethane	22.9		µg/kg wet	20.0		114	70-130			
1,1-Dichloroethene	15.3		µg/kg wet	20.0		76.5	70-130			
cis-1,2-Dichloroethene	19.4		µg/kg wet	20.0		97.0	70-130			
trans-1,2-Dichloroethene	16.9		µg/kg wet	20.0		84.5	70-130			
1,2-Dichloropropane	18.9		µg/kg wet	20.0		94.5	70-130			
1,3-Dichloropropane	22.2		µg/kg wet	20.0		111	70-130			
2,2-Dichloropropane	13.3		µg/kg wet	20.0		66.5	70-130			QC-2
1,1-Dichloropropene	16.2		µg/kg wet	20.0		81.0	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090160 - SW846 5030 Soil (high level)									
LCS (5090160-BS1)			Prepared & Analyzed: 02-Sep-05						
cis-1,3-Dichloropropene	18.4	µg/kg wet	20.0		92.0	70-130			
trans-1,3-Dichloropropene	16.9	µg/kg wet	20.0		84.5	70-130			
Ethylbenzene	17.1	µg/kg wet	20.0		85.5	70-130			
Hexachlorobutadiene	15.6	µg/kg wet	20.0		78.0	67-154			
2-Hexanone (MBK)	21.5	µg/kg wet	20.0		108	70-130			
Isopropylbenzene	16.7	µg/kg wet	20.0		83.5	70-130			
4-Isopropyltoluene	16.0	µg/kg wet	20.0		80.0	70-130			
Methyl tert-butyl ether	24.0	µg/kg wet	20.0		120	70-130			
4-Methyl-2-pentanone (MIBK)	27.0	µg/kg wet	20.0		135	38.8-135			
Methylene chloride	20.9	µg/kg wet	20.0		104	70-130			
Naphthalene	20.5	µg/kg wet	20.0		102	70-130			
n-Propylbenzene	16.6	µg/kg wet	20.0		83.0	70-130			
Styrene	18.9	µg/kg wet	20.0		94.5	70-130			
1,1,1,2-Tetrachloroethane	19.9	µg/kg wet	20.0		99.5	70-130			
1,1,2,2-Tetrachloroethane	24.8	µg/kg wet	20.0		124	70-130			
Tetrachloroethene	16.8	µg/kg wet	20.0		84.0	70-130			
Toluene	18.8	µg/kg wet	20.0		94.0	70-130			
1,2,3-Trichlorobenzene	19.2	µg/kg wet	20.0		96.0	70-130			
1,2,4-Trichlorobenzene	16.8	µg/kg wet	20.0		84.0	70-130			
1,1,1-Trichloroethane	18.2	µg/kg wet	20.0		91.0	70-130			
1,1,2-Trichloroethane	22.9	µg/kg wet	20.0		114	70-130			
Trichloroethene	17.6	µg/kg wet	20.0		88.0	70-130			
Trichlorofluoromethane (Freon 11)	17.7	µg/kg wet	20.0		88.5	66.7-150			
1,2,3-Trichloropropane	25.4	µg/kg wet	20.0		127	70-130			
1,2,4-Trimethylbenzene	18.6	µg/kg wet	20.0		93.0	70-130			
1,3,5-Trimethylbenzene	18.0	µg/kg wet	20.0		90.0	70-130			
Vinyl chloride	20.9	µg/kg wet	20.0		104	70-130			
m,p-Xylene	35.4	µg/kg wet	40.0		88.5	70-130			
o-Xylene	18.6	µg/kg wet	20.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*54.9*	µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Toluene-d8	*52.2*	µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*65.2*	µg/kg wet	*50.0*		*130*	*70-130*			
Surrogate: Dibromofluoromethane	*56.9*	µg/kg wet	*50.0*		*114*	*70-130*			
LCS Dup (5090160-BSD1)			Prepared & Analyzed: 02-Sep-05						
Acetone	16.4	µg/kg wet	20.0		82.0	0.663-201	15.7	50	
Acrylonitrile	23.4	µg/kg wet	20.0		117	70-130	15.0	25	
Benzene	17.1	µg/kg wet	20.0		85.5	70-130	1.77	25	
Bromobenzene	19.0	µg/kg wet	20.0		95.0	70-130	2.60	25	
Bromochloromethane	20.2	µg/kg wet	20.0		101	70-130	8.53	25	
Bromodichloromethane	16.6	µg/kg wet	20.0		83.0	70-130	2.97	25	
Bromoform	17.1	µg/kg wet	20.0		85.5	70-130	7.32	25	
Bromomethane	18.6	µg/kg wet	20.0		93.0	54-151	3.84	50	
2-Butanone (MEK)	14.6	µg/kg wet	20.0		73.0	6.66-154	11.6	50	
n-Butylbenzene	14.5	µg/kg wet	20.0		72.5	70-130	13.2	25	
sec-Butylbenzene	18.4	µg/kg wet	20.0		92.0	70-130	5.59	25	
tert-Butylbenzene	18.9	µg/kg wet	20.0		94.5	70-130	3.77	25	
Carbon disulfide	14.4	µg/kg wet	20.0		72.0	70-130	12.5	25	
Carbon tetrachloride	15.1	µg/kg wet	20.0		75.5	70-130	8.28	25	
Chlorobenzene	18.1	µg/kg wet	20.0		90.5	70-130	2.23	25	
Chloroethane	19.1	µg/kg wet	20.0		95.5	64.5-148	8.74	50	
Chloroform	18.4	µg/kg wet	20.0		92.0	70-130	3.73	25	
Chloromethane	20.5	µg/kg wet	20.0		102	70-130	10.3	25	
2-Chlorotoluene	17.8	µg/kg wet	20.0		89.0	70-130	1.13	25	
4-Chlorotoluene	18.0	µg/kg wet	20.0		90.0	70-130	1.68	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090160 - SW846 5030 Soil (high level)										
LCS Dup (5090160-BSD1)				Prepared & Analyzed: 02-Sep-05						
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet	20.0		98.0	70-130	6.90	25	
Dibromochloromethane	15.0		µg/kg wet	20.0		75.0	52-148	7.07	50	
1,2-Dibromoethane (EDB)	21.4		µg/kg wet	20.0		107	70-130	9.78	25	
Dibromomethane	21.2		µg/kg wet	20.0		106	70-130	9.01	25	
1,2-Dichlorobenzene	18.3		µg/kg wet	20.0		91.5	70-130	0.00	25	
1,3-Dichlorobenzene	18.2		µg/kg wet	20.0		91.0	70-130	0.00	25	
1,4-Dichlorobenzene	17.0		µg/kg wet	20.0		85.0	70-130	1.78	25	
Dichlorodifluoromethane (Freon12)	26.2		µg/kg wet	20.0		131	60.6-196	13.9	50	
1,1-Dichloroethane	18.7		µg/kg wet	20.0		93.5	70-130	0.536	25	
1,2-Dichloroethane	21.4		µg/kg wet	20.0		107	70-130	6.33	25	
1,1-Dichloroethene	17.0		µg/kg wet	20.0		85.0	70-130	10.5	25	
cis-1,2-Dichloroethene	19.0		µg/kg wet	20.0		95.0	70-130	2.08	25	
trans-1,2-Dichloroethene	17.8		µg/kg wet	20.0		89.0	70-130	5.19	25	
1,2-Dichloropropane	17.9		µg/kg wet	20.0		89.5	70-130	5.43	25	
1,3-Dichloropropane	20.5		µg/kg wet	20.0		102	70-130	8.45	25	
2,2-Dichloropropane	13.8		µg/kg wet	20.0		69.0	70-130	3.69	25	QC-2
1,1-Dichloropropene	17.3		µg/kg wet	20.0		86.5	70-130	6.57	25	
cis-1,3-Dichloropropene	17.6		µg/kg wet	20.0		88.0	70-130	4.44	25	
trans-1,3-Dichloropropene	15.5		µg/kg wet	20.0		77.5	70-130	8.64	25	
Ethylbenzene	17.8		µg/kg wet	20.0		89.0	70-130	4.01	25	
Hexachlorobutadiene	17.4		µg/kg wet	20.0		87.0	67-154	10.9	50	
2-Hexanone (MBK)	18.6		µg/kg wet	20.0		93.0	70-130	14.9	25	
Isopropylbenzene	17.4		µg/kg wet	20.0		87.0	70-130	4.11	25	
4-Isopropyltoluene	17.5		µg/kg wet	20.0		87.5	70-130	8.96	25	
Methyl tert-butyl ether	22.2		µg/kg wet	20.0		111	70-130	7.79	25	
4-Methyl-2-pentanone (MIBK)	23.5		µg/kg wet	20.0		118	38.8-135	13.4	50	
Methylene chloride	21.1		µg/kg wet	20.0		106	70-130	1.90	25	
Naphthalene	19.4		µg/kg wet	20.0		97.0	70-130	5.03	25	
n-Propylbenzene	17.6		µg/kg wet	20.0		88.0	70-130	5.85	25	
Styrene	19.1		µg/kg wet	20.0		95.5	70-130	1.05	25	
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet	20.0		100	70-130	0.501	25	
1,1,2,2-Tetrachloroethane	22.7		µg/kg wet	20.0		114	70-130	8.40	25	
Tetrachloroethene	17.1		µg/kg wet	20.0		85.5	70-130	1.77	25	
Toluene	18.5		µg/kg wet	20.0		92.5	70-130	1.61	25	
1,2,3-Trichlorobenzene	18.9		µg/kg wet	20.0		94.5	70-130	1.57	25	
1,2,4-Trichlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130	5.22	25	
1,1,1-Trichloroethane	19.0		µg/kg wet	20.0		95.0	70-130	4.30	25	
1,1,2-Trichloroethane	21.3		µg/kg wet	20.0		106	70-130	7.27	25	
Trichloroethene	18.0		µg/kg wet	20.0		90.0	70-130	2.25	25	
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet	20.0		99.0	66.7-150	11.2	50	
1,2,3-Trichloropropane	23.0		µg/kg wet	20.0		115	70-130	9.92	25	
1,2,4-Trimethylbenzene	19.3		µg/kg wet	20.0		96.5	70-130	3.69	25	
1,3,5-Trimethylbenzene	18.5		µg/kg wet	20.0		92.5	70-130	2.74	25	
Vinyl chloride	23.2		µg/kg wet	20.0		116	70-130	10.9	25	
m,p-Xylene	36.5		µg/kg wet	40.0		91.2	70-130	3.01	25	
o-Xylene	19.0		µg/kg wet	20.0		95.0	70-130	2.13	25	
Surrogate: 4-Bromofluorobenzene	*53.2*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*50.8*		µg/kg wet	*50.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*60.0*		µg/kg wet	*50.0*		*120*	*70-130*			
Surrogate: Dibromofluoromethane	*53.5*		µg/kg wet	*50.0*		*107*	*70-130*			
Matrix Spike (5090160-MS1)		**Source: SA33122-01**		Prepared & Analyzed: 02-Sep-05						
Benzene	17.7		µg/kg dry	20.0	BRL	88.5	70-130			
Chlorobenzene	19.4		µg/kg dry	20.0	BRL	97.0	70-130			
1,1-Dichloroethene	17.8		µg/kg dry	20.0	BRL	89.0	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090160 - SW846 5030 Soil (high level)										
Matrix Spike (5090160-MS1)		**Source: SA33122-01**		Prepared & Analyzed: 02-Sep-05						
Toluene	19.5		µg/kg dry	20.0	BRL	97.5	70-130			
Trichloroethene	18.8		µg/kg dry	20.0	BRL	94.0	70-130			
Surrogate: 4-Bromofluorobenzene	*53.5*		µg/kg dry	*50.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*52.9*		µg/kg dry	*50.0*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.1*		µg/kg dry	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*51.3*		µg/kg dry	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5090160-MSD1)		**Source: SA33122-01**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
Benzene	19.6		µg/kg dry	20.0	BRL	98.0	70-130	10.2	30	
Chlorobenzene	22.0		µg/kg dry	20.0	BRL	110	70-130	12.6	30	
1,1-Dichloroethene	18.9		µg/kg dry	20.0	BRL	94.5	70-130	5.99	30	
Toluene	22.6		µg/kg dry	20.0	BRL	113	70-130	14.7	30	
Trichloroethene	20.8		µg/kg dry	20.0	BRL	104	70-130	10.1	30	
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/kg dry	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*54.9*		µg/kg dry	*50.0*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg dry	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/kg dry	*50.0*		*103*	*70-130*			
Batch 5090201 - SW846 5030 Soil (high level)										
Blank (5090201-BLK1)				Prepared & Analyzed: 03-Sep-05						
Acetone	BRL	20.0	µg/kg wet							
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
ans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090201 - SW846 5030 Soil (high level)										
Blank (5090201-BLK1)				Prepared & Analyzed: 03-Sep-05						
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/kg wet	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.0*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		µg/kg wet	*50.0*		*101*	*70-130*			
LCS (5090201-BS1)				Prepared & Analyzed: 03-Sep-05						
Acetone	15.6		µg/kg wet	20.0		78.0	0.663-201			
Acrylonitrile	20.7		µg/kg wet	20.0		104	70-130			
Benzene	16.7		µg/kg wet	20.0		83.5	70-130			
Bromobenzene	18.4		µg/kg wet	20.0		92.0	70-130			
Bromochloromethane	19.2		µg/kg wet	20.0		96.0	70-130			
Bromodichloromethane	15.4		µg/kg wet	20.0		77.0	70-130			
Bromoform	15.4		µg/kg wet	20.0		77.0	70-130			
Bromomethane	18.5		µg/kg wet	20.0		92.5	54-151			
2-Butanone (MEK)	14.6		µg/kg wet	20.0		73.0	6.66-154			
n-Butylbenzene	13.6		µg/kg wet	20.0		68.0	70-130			QC-1
sec-Butylbenzene	18.0		µg/kg wet	20.0		90.0	70-130			
tert-Butylbenzene	18.8		µg/kg wet	20.0		94.0	70-130			
Carbon disulfide	15.0		µg/kg wet	20.0		75.0	70-130			
Carbon tetrachloride	15.4		µg/kg wet	20.0		77.0	70-130			
Chlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130			
Chloroethane	18.9		µg/kg wet	20.0		94.5	64.5-148			
Chloroform	18.2		µg/kg wet	20.0		91.0	70-130			
Chloromethane	20.8		µg/kg wet	20.0		104	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090201 - SW846 5030 Soil (high level)										
LCS (5090201-BS1)				Prepared & Analyzed: 03-Sep-05						
2-Chlorotoluene	17.7		µg/kg wet	20.0		88.5	70-130			
4-Chlorotoluene	17.7		µg/kg wet	20.0		88.5	70-130			
1,2-Dibromo-3-chloropropane	18.1		µg/kg wet	20.0		90.5	70-130			
Dibromochloromethane	13.6		µg/kg wet	20.0		68.0	52-148			
1,2-Dibromoethane (EDB)	19.9		µg/kg wet	20.0		99.5	70-130			
Dibromomethane	19.2		µg/kg wet	20.0		96.0	70-130			
1,2-Dichlorobenzene	17.9		µg/kg wet	20.0		89.5	70-130			
1,3-Dichlorobenzene	18.0		µg/kg wet	20.0		90.0	70-130			
1,4-Dichlorobenzene	16.8		µg/kg wet	20.0		84.0	70-130			
Dichlorodifluoromethane (Freon12)	27.4		µg/kg wet	20.0		137	60.6-196			
1,1-Dichloroethane	18.4		µg/kg wet	20.0		92.0	70-130			
1,2-Dichloroethane	19.7		µg/kg wet	20.0		98.5	70-130			
1,1-Dichloroethene	17.9		µg/kg wet	20.0		89.5	70-130			
cis-1,2-Dichloroethene	18.4		µg/kg wet	20.0		92.0	70-130			
trans-1,2-Dichloroethene	18.0		µg/kg wet	20.0		90.0	70-130			
1,2-Dichloropropane	17.2		µg/kg wet	20.0		86.0	70-130			
1,3-Dichloropropane	18.9		µg/kg wet	20.0		94.5	70-130			
2,2-Dichloropropane	16.6		µg/kg wet	20.0		83.0	70-130			
1,1-Dichloropropene	17.8		µg/kg wet	20.0		89.0	70-130			
cis-1,3-Dichloropropene	17.4		µg/kg wet	20.0		87.0	70-130			
trans-1,3-Dichloropropene	15.2		µg/kg wet	20.0		76.0	70-130			
Ethylbenzene	17.8		µg/kg wet	20.0		89.0	70-130			
Hexachlorobutadiene	17.1		µg/kg wet	20.0		85.5	67-154			
2-Hexanone (MBK)	16.6		µg/kg wet	20.0		83.0	70-130			
Isopropylbenzene	17.5		µg/kg wet	20.0		87.5	70-130			
4-Isopropyltoluene	17.1		µg/kg wet	20.0		85.5	70-130			
Methyl tert-butyl ether	20.6		µg/kg wet	20.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	21.0		µg/kg wet	20.0		105	38.8-135			
Methylene chloride	20.1		µg/kg wet	20.0		100	70-130			
Naphthalene	18.1		µg/kg wet	20.0		90.5	70-130			
n-Propylbenzene	17.3		µg/kg wet	20.0		86.5	70-130			
Styrene	18.9		µg/kg wet	20.0		94.5	70-130			
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet	20.0		96.0	70-130			
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130			
Tetrachloroethene	18.0		µg/kg wet	20.0		90.0	70-130			
Toluene	17.3		µg/kg wet	20.0		86.5	70-130			
1,2,3-Trichlorobenzene	18.7		µg/kg wet	20.0		93.5	70-130			
1,2,4-Trichlorobenzene	17.1		µg/kg wet	20.0		85.5	70-130			
1,1,1-Trichloroethane	19.1		µg/kg wet	20.0		95.5	70-130			
1,1,2-Trichloroethane	19.3		µg/kg wet	20.0		96.5	70-130			
Trichloroethene	19.0		µg/kg wet	20.0		95.0	70-130			
Trichlorofluoromethane (Freon 11)	21.1		µg/kg wet	20.0		106	66.7-150			
1,2,3-Trichloropropane	20.9		µg/kg wet	20.0		104	70-130			
1,2,4-Trimethylbenzene	18.2		µg/kg wet	20.0		91.0	70-130			
1,3,5-Trimethylbenzene	18.4		µg/kg wet	20.0		92.0	70-130			
Vinyl chloride	25.7		µg/kg wet	20.0		128	70-130			
m,p-Xylene	36.4		µg/kg wet	40.0		91.0	70-130			
o-Xylene	18.6		µg/kg wet	20.0		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*50.7*		µg/kg wet	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.3*		µg/kg wet	*50.0*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*52.1*		µg/kg wet	*50.0*		*104*	*70-130*			
LCS Dup (5090201-BSD1)				Prepared & Analyzed: 03-Sep-05						
Acetone	14.9		µg/kg wet	20.0		74.5	0.663-201	4.59	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090201 - SW846 5030 Soil (high level)										
LCS Dup (5090201-BSD1)				Prepared & Analyzed: 03-Sep-05						
Acrylonitrile	21.3		µg/kg wet	20.0		106	70-130	1.90	25	
Benzene	16.3		µg/kg wet	20.0		81.5	70-130	2.42	25	
Bromobenzene	18.0		µg/kg wet	20.0		90.0	70-130	2.20	25	
Bromochloromethane	18.5		µg/kg wet	20.0		92.5	70-130	3.71	25	
Bromodichloromethane	14.9		µg/kg wet	20.0		74.5	70-130	3.30	25	
Bromoform	15.2		µg/kg wet	20.0		76.0	70-130	1.31	25	
Bromomethane	17.9		µg/kg wet	20.0		89.5	54-151	3.30	50	
2-Butanone (MEK)	14.1		µg/kg wet	20.0		70.5	6.66-154	3.48	50	
n-Butylbenzene	14.2		µg/kg wet	20.0		71.0	70-130	4.32	25	
sec-Butylbenzene	18.2		µg/kg wet	20.0		91.0	70-130	1.10	25	
tert-Butylbenzene	18.7		µg/kg wet	20.0		93.5	70-130	0.533	25	
Carbon disulfide	14.5		µg/kg wet	20.0		72.5	70-130	3.39	25	
Carbon tetrachloride	14.9		µg/kg wet	20.0		74.5	70-130	3.30	25	
Chlorobenzene	17.4		µg/kg wet	20.0		87.0	70-130	1.71	25	
Chloroethane	18.3		µg/kg wet	20.0		91.5	64.5-148	3.23	50	
Chloroform	17.8		µg/kg wet	20.0		89.0	70-130	2.22	25	
Chloromethane	20.1		µg/kg wet	20.0		100	70-130	3.92	25	
2-Chlorotoluene	17.4		µg/kg wet	20.0		87.0	70-130	1.71	25	
4-Chlorotoluene	17.5		µg/kg wet	20.0		87.5	70-130	1.14	25	
1,2-Dibromo-3-chloropropane	17.6		µg/kg wet	20.0		88.0	70-130	2.80	25	
Dibromochloromethane	13.1		µg/kg wet	20.0		65.5	52-148	3.75	50	
1,2-Dibromoethane (EDB)	19.3		µg/kg wet	20.0		96.5	70-130	3.06	25	
Dibromomethane	19.0		µg/kg wet	20.0		95.0	70-130	1.05	25	
1,2-Dichlorobenzene	17.2		µg/kg wet	20.0		86.0	70-130	3.99	25	
1,3-Dichlorobenzene	17.8		µg/kg wet	20.0		89.0	70-130	1.12	25	
1,4-Dichlorobenzene	16.4		µg/kg wet	20.0		82.0	70-130	2.41	25	
Dichlorodifluoromethane (Freon12)	27.6		µg/kg wet	20.0		138	60.6-196	0.727	50	
1,1-Dichloroethane	17.6		µg/kg wet	20.0		88.0	70-130	4.44	25	
1,2-Dichloroethane	19.6		µg/kg wet	20.0		98.0	70-130	0.509	25	
1,1-Dichloroethene	17.2		µg/kg wet	20.0		86.0	70-130	3.99	25	
cis-1,2-Dichloroethene	18.0		µg/kg wet	20.0		90.0	70-130	2.20	25	
trans-1,2-Dichloroethene	17.2		µg/kg wet	20.0		86.0	70-130	4.55	25	
1,2-Dichloropropane	16.7		µg/kg wet	20.0		83.5	70-130	2.95	25	
1,3-Dichloropropane	18.2		µg/kg wet	20.0		91.0	70-130	3.77	25	
2,2-Dichloropropane	15.8		µg/kg wet	20.0		79.0	70-130	4.94	25	
1,1-Dichloropropene	17.2		µg/kg wet	20.0		86.0	70-130	3.43	25	
cis-1,3-Dichloropropene	16.6		µg/kg wet	20.0		83.0	70-130	4.71	25	
trans-1,3-Dichloropropene	14.6		µg/kg wet	20.0		73.0	70-130	4.03	25	
Ethylbenzene	17.4		µg/kg wet	20.0		87.0	70-130	2.27	25	
Hexachlorobutadiene	15.0		µg/kg wet	20.0		75.0	67-154	13.1	50	
2-Hexanone (MBK)	16.5		µg/kg wet	20.0		82.5	70-130	0.604	25	
Isopropylbenzene	17.2		µg/kg wet	20.0		86.0	70-130	1.73	25	
4-Isopropyltoluene	17.0		µg/kg wet	20.0		85.0	70-130	0.587	25	
Methyl tert-butyl ether	20.2		µg/kg wet	20.0		101	70-130	1.96	25	
4-Methyl-2-pentanone (MIBK)	20.9		µg/kg wet	20.0		104	38.8-135	0.957	50	
Methylene chloride	19.6		µg/kg wet	20.0		98.0	70-130	2.02	25	
Naphthalene	17.2		µg/kg wet	20.0		86.0	70-130	5.10	25	
n-Propylbenzene	17.4		µg/kg wet	20.0		87.0	70-130	0.576	25	
Styrene	18.4		µg/kg wet	20.0		92.0	70-130	2.68	25	
1,1,1,2-Tetrachloroethane	18.6		µg/kg wet	20.0		93.0	70-130	3.17	25	
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet	20.0		97.0	70-130	0.00	25	
Tetrachloroethene	17.1		µg/kg wet	20.0		85.5	70-130	5.13	25	
Toluene	17.0		µg/kg wet	20.0		85.0	70-130	1.75	25	
1,2,3-Trichlorobenzene	17.6		µg/kg wet	20.0		88.0	70-130	6.06	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090201 - SW846 5030 Soil (high level)										
LCS Dup (5090201-BSD1)				Prepared & Analyzed: 03-Sep-05						
1,2,4-Trichlorobenzene	16.5		µg/kg wet	20.0		82.5	70-130	3.57	25	
1,1,1-Trichloroethane	18.7		µg/kg wet	20.0		93.5	70-130	2.12	25	
1,1,2-Trichloroethane	18.8		µg/kg wet	20.0		94.0	70-130	2.62	25	
Trichloroethene	18.1		µg/kg wet	20.0		90.5	70-130	4.85	25	
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet	20.0		100	66.7-150	5.83	50	
1,2,3-Trichloropropane	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
1,2,4-Trimethylbenzene	18.5		µg/kg wet	20.0		92.5	70-130	1.63	25	
1,3,5-Trimethylbenzene	18.2		µg/kg wet	20.0		91.0	70-130	1.09	25	
Vinyl chloride	24.6		µg/kg wet	20.0		123	70-130	3.98	25	
m,p-Xylene	35.9		µg/kg wet	40.0		89.8	70-130	1.33	25	
o-Xylene	18.3		µg/kg wet	20.0		91.5	70-130	1.63	25	
Surrogate: 4-Bromofluorobenzene	*53.1*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*50.3*		µg/kg wet	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*57.4*		µg/kg wet	*50.0*		*115*	*70-130*			
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
Matrix Spike (5090201-MS1)		**Source: SA33429-05**		Prepared & Analyzed: 03-Sep-05						
Benzene	15.2		µg/kg dry	20.0	BRL	76.0	70-130			
Chlorobenzene	16.7		µg/kg dry	20.0	BRL	83.5	70-130			
1,1-Dichloroethene	15.1		µg/kg dry	20.0	BRL	75.5	70-130			
Toluene	17.1		µg/kg dry	20.0	BRL	85.5	70-130			
Trichloroethene	16.2		µg/kg dry	20.0	BRL	81.0	70-130			
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/kg dry	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*54.2*		µg/kg dry	*50.0*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.0*		µg/kg dry	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.8*		µg/kg dry	*50.0*		*102*	*70-130*			
Matrix Spike Dup (5090201-MSD1)		**Source: SA33429-05**		Prepared & Analyzed: 03-Sep-05						
Benzene	17.3		µg/kg dry	20.0	BRL	86.5	70-130	12.9	30	
Chlorobenzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	13.9	30	
1,1-Dichloroethene	17.5		µg/kg dry	20.0	BRL	87.5	70-130	14.7	30	
Toluene	19.1		µg/kg dry	20.0	BRL	95.5	70-130	11.0	30	
Trichloroethene	18.8		µg/kg dry	20.0	BRL	94.0	70-130	14.9	30	
Surrogate: 4-Bromofluorobenzene	*53.3*		µg/kg dry	*50.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*53.4*		µg/kg dry	*50.0*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg dry	*50.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		µg/kg dry	*50.0*		*101*	*70-130*			
Batch 5090240 - SW846 5030 Water MS										
Blank (5090240-BLK1)				Prepared & Analyzed: 04-Sep-05						
Acetone	BRL		20.0 µg/l							
Acrylonitrile	BRL		1.0 µg/l							
Benzene	BRL		1.0 µg/l							
Bromobenzene	BRL		1.0 µg/l							
Bromochloromethane	BRL		1.0 µg/l							
Bromodichloromethane	BRL		1.0 µg/l							
Bromoform	BRL		1.0 µg/l							
Bromomethane	BRL		2.0 µg/l							
2-Butanone (MEK)	BRL		10.0 µg/l							
n-Butylbenzene	BRL		1.0 µg/l							
sec-Butylbenzene	BRL		1.0 µg/l							
tert-Butylbenzene	BRL		1.0 µg/l							
Carbon disulfide	BRL		5.0 µg/l							
Carbon tetrachloride	BRL		1.0 µg/l							
Chlorobenzene	BRL		1.0 µg/l							

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090240 - SW846 5030 Water MS										
Blank (5090240-BLK1)				Prepared & Analyzed: 04-Sep-05						
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	1.0	µg/l							
Isopropylbenzene	BRL	10.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	1.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	10.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	1.0	µg/l							
o-Xylene	BRL	2.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*44.8*	1.0	µg/l	*50.0*		*89.6*	*70-130*			
Surrogate: Toluene-d8	*45.2*		µg/l	*50.0*		*90.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*39.2*		µg/l	*50.0*		*78.4*	*70-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090240 - SW846 5030 Water MS										
Blank (5090240-BLK1)				Prepared & Analyzed: 04-Sep-05						
Surrogate: Dibromofluoromethane	*48.1*		µg/l	*50.0*		*96.2*	*70-130*			
LCS (5090240-BS1)				Prepared & Analyzed: 04-Sep-05						
Acetone	23.1		µg/l	20.0		116	0.671-198			
Acrylonitrile	16.0		µg/l	20.0		80.0	70-130			
Benzene	20.2		µg/l	20.0		101	70-130			
Bromobenzene	20.2		µg/l	20.0		101	70-130			
Bromochloromethane	18.5		µg/l	20.0		92.5	70-130			
Bromodichloromethane	18.4		µg/l	20.0		92.0	70-130			
Bromoform	20.6		µg/l	20.0		103	70-130			
Bromomethane	17.5		µg/l	20.0		87.5	64.5-146			
2-Butanone (MEK)	16.0		µg/l	20.0		80.0	14.3-172			
n-Butylbenzene	22.3		µg/l	20.0		112	70-130			
sec-Butylbenzene	23.3		µg/l	20.0		116	70-130			
tert-Butylbenzene	21.6		µg/l	20.0		108	70-130			
Carbon disulfide	16.6		µg/l	20.0		83.0	70-130			
Carbon tetrachloride	17.7		µg/l	20.0		88.5	70-130			
Chlorobenzene	21.6		µg/l	20.0		108	70-130			
Chloroethane	18.2		µg/l	20.0		91.0	66.3-135			
Chloroform	18.2		µg/l	20.0		91.0	70-130			
Chloromethane	13.3		µg/l	20.0		66.5	70-130			QC-2
2-Chlorotoluene	21.4		µg/l	20.0		107	70-130			
4-Chlorotoluene	20.5		µg/l	20.0		102	70-130			
1,2-Dibromo-3-chloropropane	19.0		µg/l	20.0		95.0	70-130			
Dibromochloromethane	16.9		µg/l	20.0		84.5	52.9-141			
1,2-Dibromoethane (EDB)	15.8		µg/l	20.0		79.0	70-130			
Dibromomethane	17.8		µg/l	20.0		89.0	70-130			
1,2-Dichlorobenzene	20.3		µg/l	20.0		102	70-130			
1,3-Dichlorobenzene	21.6		µg/l	20.0		108	70-130			
1,4-Dichlorobenzene	21.0		µg/l	20.0		105	70-130			
Dichlorodifluoromethane (Freon12)	15.0		µg/l	20.0		75.0	50.5-203			
1,1-Dichloroethane	18.0		µg/l	20.0		90.0	70-130			
1,2-Dichloroethane	15.5		µg/l	20.0		77.5	70-130			
1,1-Dichloroethene	18.8		µg/l	20.0		94.0	70-130			
cis-1,2-Dichloroethene	20.4		µg/l	20.0		102	70-130			
trans-1,2-Dichloroethene	18.6		µg/l	20.0		93.0	70-130			
1,2-Dichloropropane	18.3		µg/l	20.0		91.5	70-130			
1,3-Dichloropropane	17.2		µg/l	20.0		86.0	70-130			
2,2-Dichloropropane	22.4		µg/l	20.0		112	70-130			
1,1-Dichloropropene	19.0		µg/l	20.0		95.0	70-130			
cis-1,3-Dichloropropene	19.4		µg/l	20.0		97.0	70-130			
trans-1,3-Dichloropropene	20.5		µg/l	20.0		102	70-130			
Ethylbenzene	20.5		µg/l	20.0		102	70-130			
Hexachlorobutadiene	18.5		µg/l	20.0		92.5	68.9-138			
2-Hexanone (MBK)	13.1		µg/l	20.0		65.5	70-130			QC-2
Isopropylbenzene	21.3		µg/l	20.0		106	70-130			
4-Isopropyltoluene	22.2		µg/l	20.0		111	70-130			
Methyl tert-butyl ether	17.3		µg/l	20.0		86.5	70-130			
4-Methyl-2-pentanone (MIBK)	11.6		µg/l	20.0		58.0	51.5-134			
Methylene chloride	19.0		µg/l	20.0		95.0	70-130			
Naphthalene	17.8		µg/l	20.0		89.0	70-130			
n-Propylbenzene	22.8		µg/l	20.0		114	70-130			
Styrene	20.9		µg/l	20.0		104	70-130			
1,1,1,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130			
1,1,2,2-Tetrachloroethane	18.9		µg/l	20.0		94.5	70-130			

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090240 - SW846 5030 Water MS										
LCS (5090240-BS1)				Prepared & Analyzed: 04-Sep-05						
Tetrachloroethene	16.0		µg/l	20.0		80.0	70-130			
Toluene	16.8		µg/l	20.0		84.0	70-130			
1,2,3-Trichlorobenzene	18.2		µg/l	20.0		91.0	70-130			
1,2,4-Trichlorobenzene	18.2		µg/l	20.0		91.0	70-130			
1,1,1-Trichloroethane	17.1		µg/l	20.0		85.5	70-130			
1,1,2-Trichloroethane	18.2		µg/l	20.0		91.0	70-130			
Trichloroethene	18.4		µg/l	20.0		92.0	70-130			
Trichlorofluoromethane (Freon 11)	17.1		µg/l	20.0		85.5	70-143			
1,2,3-Trichloropropane	19.2		µg/l	20.0		96.0	70-130			
1,2,4-Trimethylbenzene	20.8		µg/l	20.0		104	70-130			
1,3,5-Trimethylbenzene	20.6		µg/l	20.0		103	70-130			
Vinyl chloride	20.5		µg/l	20.0		102	70-130			
m,p-Xylene	41.4		µg/l	40.0		104	70-130			
o-Xylene	22.5		µg/l	20.0		112	70-130			
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l	*50.0*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*45.8*		µg/l	*50.0*		*91.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*38.6*		µg/l	*50.0*		*77.2*	*70-130*			
Surrogate: Dibromofluoromethane	*47.5*		µg/l	*50.0*		*95.0*	*70-130*			
LCS Dup (5090240-BSD1)				Prepared & Analyzed: 04-Sep-05						
Acetone	21.2		µg/l	20.0		106	0.671-198	9.01	50	
Acrylonitrile	15.2		µg/l	20.0		76.0	70-130	5.13	25	
Benzene	19.2		µg/l	20.0		96.0	70-130	5.08	25	
Bromobenzene	18.3		µg/l	20.0		91.5	70-130	9.87	25	
Bromochloromethane	18.2		µg/l	20.0		91.0	70-130	1.63	25	
Bromodichloromethane	17.7		µg/l	20.0		88.5	70-130	3.88	25	
Bromoform	19.5		µg/l	20.0		97.5	70-130	5.49	25	
Bromomethane	16.0		µg/l	20.0		80.0	64.5-146	8.96	50	
2-Butanone (MEK)	14.9		µg/l	20.0		74.5	14.3-172	7.12	50	
n-Butylbenzene	21.2		µg/l	20.0		106	70-130	5.50	25	
sec-Butylbenzene	21.7		µg/l	20.0		108	70-130	7.14	25	
tert-Butylbenzene	20.2		µg/l	20.0		101	70-130	6.70	25	
Carbon disulfide	15.9		µg/l	20.0		79.5	70-130	4.31	25	
Carbon tetrachloride	17.0		µg/l	20.0		85.0	70-130	4.03	25	
Chlorobenzene	20.5		µg/l	20.0		102	70-130	5.71	25	
Chloroethane	17.7		µg/l	20.0		88.5	66.3-135	2.79	50	
Chloroform	17.7		µg/l	20.0		88.5	70-130	2.79	25	
Chloromethane	13.0		µg/l	20.0		65.0	70-130	2.28	25	QC-2
2-Chlorotoluene	19.7		µg/l	20.0		98.5	70-130	8.27	25	
4-Chlorotoluene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
1,2-Dibromo-3-chloropropane	18.7		µg/l	20.0		93.5	70-130	1.59	25	
Dibromochloromethane	16.2		µg/l	20.0		81.0	52.9-141	4.23	50	
1,2-Dibromoethane (EDB)	15.3		µg/l	20.0		76.5	70-130	3.22	25	
Dibromomethane	17.0		µg/l	20.0		85.0	70-130	4.60	25	
1,2-Dichlorobenzene	19.2		µg/l	20.0		96.0	70-130	6.06	25	
1,3-Dichlorobenzene	20.3		µg/l	20.0		102	70-130	5.71	25	
1,4-Dichlorobenzene	19.7		µg/l	20.0		98.5	70-130	6.39	25	
Dichlorodifluoromethane (Freon12)	15.1		µg/l	20.0		75.5	50.5-203	0.664	50	
1,1-Dichloroethane	17.8		µg/l	20.0		89.0	70-130	1.12	25	
1,2-Dichloroethane	14.7		µg/l	20.0		73.5	70-130	5.30	25	
1,1-Dichloroethene	17.8		µg/l	20.0		89.0	70-130	5.46	25	
cis-1,2-Dichloroethene	19.7		µg/l	20.0		98.5	70-130	3.49	25	
trans-1,2-Dichloroethene	18.2		µg/l	20.0		91.0	70-130	2.17	25	
1,2-Dichloropropane	17.0		µg/l	20.0		85.0	70-130	7.37	25	
1,3-Dichloropropane	16.3		µg/l	20.0		81.5	70-130	5.37	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090240 - SW846 5030 Water MS										
LCS Dup (5090240-BSD1)				Prepared & Analyzed: 04-Sep-05						
2,2-Dichloropropane	21.7		µg/l	20.0		108	70-130	3.64	25	
1,1-Dichloropropene	18.6		µg/l	20.0		93.0	70-130	2.13	25	
cis-1,3-Dichloropropene	18.2		µg/l	20.0		91.0	70-130	6.38	25	
trans-1,3-Dichloropropene	19.6		µg/l	20.0		98.0	70-130	4.00	25	
Ethylbenzene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
Hexachlorobutadiene	17.0		µg/l	20.0		85.0	68.9-138	8.45	50	
2-Hexanone (MBK)	12.0		µg/l	20.0		60.0	70-130	8.76	25	QC-2
Isopropylbenzene	20.3		µg/l	20.0		102	70-130	3.85	25	
4-Isopropyltoluene	21.1		µg/l	20.0		106	70-130	4.61	25	
Methyl tert-butyl ether	17.0		µg/l	20.0		85.0	70-130	1.75	25	
4-Methyl-2-pentanone (MIBK)	10.7		µg/l	20.0		53.5	51.5-134	8.07	50	
Methylene chloride	18.3		µg/l	20.0		91.5	70-130	3.75	25	
Naphthalene	16.0		µg/l	20.0		80.0	70-130	10.7	25	
n-Propylbenzene	21.5		µg/l	20.0		108	70-130	5.41	25	
Styrene	20.0		µg/l	20.0		100	70-130	3.92	25	
1,1,1,2-Tetrachloroethane	19.3		µg/l	20.0		96.5	70-130	7.48	25	
1,1,2,2-Tetrachloroethane	17.1		µg/l	20.0		85.5	70-130	10.0	25	
Tetrachloroethene	15.1		µg/l	20.0		75.5	70-130	5.79	25	
Toluene	16.0		µg/l	20.0		80.0	70-130	4.88	25	
1,2,3-Trichlorobenzene	16.9		µg/l	20.0		84.5	70-130	7.41	25	
1,2,4-Trichlorobenzene	17.2		µg/l	20.0		86.0	70-130	5.65	25	
1,1,1-Trichloroethane	16.6		µg/l	20.0		83.0	70-130	2.97	25	
1,1,2-Trichloroethane	17.4		µg/l	20.0		87.0	70-130	4.49	25	
Trichloroethene	17.0		µg/l	20.0		85.0	70-130	7.91	25	
Trichlorofluoromethane (Freon 11)	16.5		µg/l	20.0		82.5	70-143	3.57	50	
1,2,3-Trichloropropane	18.1		µg/l	20.0		90.5	70-130	5.90	25	
1,2,4-Trimethylbenzene	19.4		µg/l	20.0		97.0	70-130	6.97	25	
1,3,5-Trimethylbenzene	19.6		µg/l	20.0		98.0	70-130	4.98	25	
Vinyl chloride	19.7		µg/l	20.0		98.5	70-130	3.49	25	
m,p-Xylene	39.2		µg/l	40.0		98.0	70-130	5.94	25	
o-Xylene	21.0		µg/l	20.0		105	70-130	6.45	25	
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l	*50.0*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*45.5*		µg/l	*50.0*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*39.4*		µg/l	*50.0*		*78.8*	*70-130*			
Surrogate: Dibromofluoromethane	*48.0*		µg/l	*50.0*		*96.0*	*70-130*			
Matrix Spike (5090240-MS1)		**Source: SA33435-02**		Prepared: 04-Sep-05 Analyzed: 05-Sep-05						
Benzene	21.0		µg/l	20.0	BRL	105	70-130			
Chlorobenzene	22.7		µg/l	20.0	BRL	114	70-130			
1,1-Dichloroethene	21.7		µg/l	20.0	BRL	108	70-130			
Toluene	17.8		µg/l	20.0	BRL	89.0	70-130			
Trichloroethene	18.2		µg/l	20.0	BRL	91.0	70-130			
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*45.6*		µg/l	*50.0*		*91.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*42.6*		µg/l	*50.0*		*85.2*	*70-130*			
Surrogate: Dibromofluoromethane	*48.9*		µg/l	*50.0*		*97.8*	*70-130*			
Matrix Spike Dup (5090240-MSD1)		**Source: SA33435-02**		Prepared: 04-Sep-05 Analyzed: 05-Sep-05						
Benzene	20.8		µg/l	20.0	BRL	104	70-130	0.957	30	
Chlorobenzene	22.7		µg/l	20.0	BRL	114	70-130	0.00	30	
1,1-Dichloroethene	19.1		µg/l	20.0	BRL	95.5	70-130	12.3	30	
Toluene	17.1		µg/l	20.0	BRL	85.5	70-130	4.01	30	
Trichloroethene	17.8		µg/l	20.0	BRL	89.0	70-130	2.22	30	
urrogate: 4-Bromofluorobenzene	*48.7*		µg/l	*50.0*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*45.0*		µg/l	*50.0*		*90.0*	*70-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090240 - SW846 5030 Water MS										
Matrix Spike Dup (5090240-MSD1)		**Source: SA33435-02**		Prepared: 04-Sep-05 Analyzed: 05-Sep-05						
Surrogate: 1,2-Dichloroethane-d4	*40.9*		µg/l	*50.0*		*81.8*	*70-130*			
Surrogate: Dibromofluoromethane	*47.8*		µg/l	*50.0*		*95.6*	*70-130*			
Batch 5090268 - SW846 5035A Soil (low level)										
Blank (5090268-BLK1)				Prepared & Analyzed: 06-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	5.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	50.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	25.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	5.0	µg/kg wet							
Chloroform	BRL	10.0	µg/kg wet							
Chloromethane	BRL	5.0	µg/kg wet							
2-Chlorotoluene	BRL	10.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/kg wet							
Dibromochloromethane	BRL	10.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	5.0	µg/kg wet							
1,1-Dichloroethane	BRL	10.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	5.0	µg/kg wet							
Isopropylbenzene	BRL	50.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	5.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	50.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090268 - SW846 5035A Soil (low level)										
Blank (5090268-BLK1)				Prepared & Analyzed: 06-Sep-05						
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/kg wet	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*50.6*		µg/kg wet	*50.0*		*101*	*70-130*			
LCS (5090268-BS1)				Prepared & Analyzed: 06-Sep-05						
Acetone	14.6		µg/kg wet	20.0		73.0	0.663-201			
Acrylonitrile	20.4		µg/kg wet	20.0		102	70-130			
Benzene	19.7		µg/kg wet	20.0		98.5	70-130			
Bromobenzene	19.8		µg/kg wet	20.0		99.0	70-130			
Bromochloromethane	19.3		µg/kg wet	20.0		96.5	70-130			
Bromodichloromethane	20.1		µg/kg wet	20.0		100	70-130			
Bromoform	17.9		µg/kg wet	20.0		89.5	70-130			
Bromomethane	24.3		µg/kg wet	20.0		122	54-151			
2-Butanone (MEK)	19.5		µg/kg wet	20.0		97.5	6.66-154			
n-Butylbenzene	19.1		µg/kg wet	20.0		95.5	70-130			
sec-Butylbenzene	22.0		µg/kg wet	20.0		110	70-130			
tert-Butylbenzene	21.9		µg/kg wet	20.0		110	70-130			
Carbon disulfide	15.2		µg/kg wet	20.0		76.0	70-130			
Carbon tetrachloride	18.4		µg/kg wet	20.0		92.0	70-130			
Chlorobenzene	20.5		µg/kg wet	20.0		102	70-130			
Chloroethane	21.3		µg/kg wet	20.0		106	64.5-148			
Chloroform	18.6		µg/kg wet	20.0		93.0	70-130			
Chloromethane	21.2		µg/kg wet	20.0		106	70-130			
2-Chlorotoluene	21.3		µg/kg wet	20.0		106	70-130			
4-Chlorotoluene	20.2		µg/kg wet	20.0		101	70-130			
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet	20.0		97.0	70-130			
Dibromochloromethane	17.8		µg/kg wet	20.0		89.0	52-148			
1,2-Dibromoethane (EDB)	19.1		µg/kg wet	20.0		95.5	70-130			
Dibromomethane	19.5		µg/kg wet	20.0		97.5	70-130			
1,2-Dichlorobenzene	20.1		µg/kg wet	20.0		100	70-130			
1,3-Dichlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130			
1,4-Dichlorobenzene	19.3		µg/kg wet	20.0		96.5	70-130			
Dichlorodifluoromethane (Freon12)	25.0		µg/kg wet	20.0		125	60.6-196			
1,1-Dichloroethane	20.5		µg/kg wet	20.0		102	70-130			
1,2-Dichloroethane	19.1		µg/kg wet	20.0		95.5	70-130			
1,1-Dichloroethene	19.5		µg/kg wet	20.0		97.5	70-130			
cis-1,2-Dichloroethene	20.2		µg/kg wet	20.0		101	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090268 - SW846 5035A Soil (low level)										
LCS (5090268-BS1)				Prepared & Analyzed: 06-Sep-05						
trans-1,2-Dichloroethene	18.6		µg/kg wet	20.0		93.0	70-130			
1,2-Dichloropropane	21.1		µg/kg wet	20.0		106	70-130			
1,3-Dichloropropane	18.2		µg/kg wet	20.0		91.0	70-130			
2,2-Dichloropropane	19.0		µg/kg wet	20.0		95.0	70-130			
1,1-Dichloropropene	19.7		µg/kg wet	20.0		98.5	70-130			
cis-1,3-Dichloropropene	18.6		µg/kg wet	20.0		93.0	70-130			
trans-1,3-Dichloropropene	17.9		µg/kg wet	20.0		89.5	70-130			
Ethylbenzene	21.2		µg/kg wet	20.0		106	70-130			
Hexachlorobutadiene	21.2		µg/kg wet	20.0		106	67-154			
2-Hexanone (MBK)	19.3		µg/kg wet	20.0		96.5	70-130			
Isopropylbenzene	20.8		µg/kg wet	20.0		104	70-130			
4-Isopropyltoluene	20.9		µg/kg wet	20.0		104	70-130			
Methyl tert-butyl ether	19.3		µg/kg wet	20.0		96.5	70-130			
4-Methyl-2-pentanone (MIBK)	18.7		µg/kg wet	20.0		93.5	38.8-135			
Methylene chloride	18.3		µg/kg wet	20.0		91.5	70-130			
Naphthalene	22.4		µg/kg wet	20.0		112	70-130			
n-Propylbenzene	20.6		µg/kg wet	20.0		103	70-130			
Styrene	20.6		µg/kg wet	20.0		103	70-130			
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet	20.0		96.0	70-130			
1,1,2,2-Tetrachloroethane	20.4		µg/kg wet	20.0		102	70-130			
Tetrachloroethene	18.1		µg/kg wet	20.0		90.5	70-130			
Toluene	19.5		µg/kg wet	20.0		97.5	70-130			
1,2,3-Trichlorobenzene	19.7		µg/kg wet	20.0		98.5	70-130			
1,2,4-Trichlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130			
1,1,1-Trichloroethane	20.2		µg/kg wet	20.0		101	70-130			
1,1,2-Trichloroethane	20.9		µg/kg wet	20.0		104	70-130			
Trichloroethene	19.1		µg/kg wet	20.0		95.5	70-130			
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet	20.0		109	66.7-150			
1,2,3-Trichloropropane	20.7		µg/kg wet	20.0		104	70-130			
1,2,4-Trimethylbenzene	19.3		µg/kg wet	20.0		96.5	70-130			
1,3,5-Trimethylbenzene	20.0		µg/kg wet	20.0		100	70-130			
Vinyl chloride	22.4		µg/kg wet	20.0		112	70-130			
m,p-Xylene	41.1		µg/kg wet	40.0		103	70-130			
o-Xylene	20.9		µg/kg wet	20.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/kg wet	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/kg wet	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		µg/kg wet	*50.0*		*96.0*	*70-130*			
Surrogate: Dibromofluoromethane	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
LCS Dup (5090268-BSD1)				Prepared & Analyzed: 06-Sep-05						
Acetone	15.2		µg/kg wet	20.0		76.0	0.663-201	4.03	50	
Acrylonitrile	20.4		µg/kg wet	20.0		102	70-130	0.00	25	
Benzene	20.5		µg/kg wet	20.0		102	70-130	3.49	25	
Bromobenzene	20.6		µg/kg wet	20.0		103	70-130	3.96	25	
Bromochloromethane	19.6		µg/kg wet	20.0		98.0	70-130	1.54	25	
Bromodichloromethane	20.3		µg/kg wet	20.0		102	70-130	1.98	25	
Bromoform	17.8		µg/kg wet	20.0		89.0	70-130	0.560	25	
Bromomethane	24.0		µg/kg wet	20.0		120	54-151	1.65	50	
2-Butanone (MEK)	20.4		µg/kg wet	20.0		102	6.66-154	4.51	50	
n-Butylbenzene	23.5		µg/kg wet	20.0		118	70-130	21.1	25	
sec-Butylbenzene	24.5		µg/kg wet	20.0		122	70-130	10.3	25	
tert-Butylbenzene	23.5		µg/kg wet	20.0		118	70-130	7.02	25	
Carbon disulfide	15.7		µg/kg wet	20.0		78.5	70-130	3.24	25	
Carbon tetrachloride	19.6		µg/kg wet	20.0		98.0	70-130	6.32	25	
Chlorobenzene	21.6		µg/kg wet	20.0		108	70-130	5.71	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090268 - SW846 5035A Soil (low level)										
LCS Dup (5090268-BSD1)				Prepared & Analyzed: 06-Sep-05						
Chloroethane	21.8		µg/kg wet	20.0		109	64.5-148	2.79	50	
Chloroform	19.2		µg/kg wet	20.0		96.0	70-130	3.17	25	
Chloromethane	23.2		µg/kg wet	20.0		116	70-130	9.01	25	
2-Chlorotoluene	23.7		µg/kg wet	20.0		118	70-130	10.7	25	
4-Chlorotoluene	21.7		µg/kg wet	20.0		108	70-130	6.70	25	
1,2-Dibromo-3-chloropropane	19.1		µg/kg wet	20.0		95.5	70-130	1.56	25	
Dibromochloromethane	17.9		µg/kg wet	20.0		89.5	52-148	0.560	50	
1,2-Dibromoethane (EDB)	19.0		µg/kg wet	20.0		95.0	70-130	0.525	25	
Dibromomethane	19.5		µg/kg wet	20.0		97.5	70-130	0.00	25	
1,2-Dichlorobenzene	21.1		µg/kg wet	20.0		106	70-130	5.83	25	
1,3-Dichlorobenzene	20.6		µg/kg wet	20.0		103	70-130	7.04	25	
1,4-Dichlorobenzene	20.8		µg/kg wet	20.0		104	70-130	7.48	25	
Dichlorodifluoromethane (Freon12)	28.7		µg/kg wet	20.0		144	60.6-196	14.1	50	
1,1-Dichloroethane	21.3		µg/kg wet	20.0		106	70-130	3.85	25	
1,2-Dichloroethane	19.4		µg/kg wet	20.0		97.0	70-130	1.56	25	
1,1-Dichloroethene	20.3		µg/kg wet	20.0		102	70-130	4.51	25	
cis-1,2-Dichloroethene	20.4		µg/kg wet	20.0		102	70-130	0.985	25	
trans-1,2-Dichloroethene	19.1		µg/kg wet	20.0		95.5	70-130	2.65	25	
1,2-Dichloropropane	21.3		µg/kg wet	20.0		106	70-130	0.00	25	
1,3-Dichloropropane	18.3		µg/kg wet	20.0		91.5	70-130	0.548	25	
2,2-Dichloropropane	20.1		µg/kg wet	20.0		100	70-130	5.13	25	
1,1-Dichloropropene	22.0		µg/kg wet	20.0		110	70-130	11.0	25	
cis-1,3-Dichloropropene	19.2		µg/kg wet	20.0		96.0	70-130	3.17	25	
trans-1,3-Dichloropropene	18.2		µg/kg wet	20.0		91.0	70-130	1.66	25	
Ethylbenzene	22.8		µg/kg wet	20.0		114	70-130	7.27	25	
Hexachlorobutadiene	24.8		µg/kg wet	20.0		124	67-154	15.7	50	
2-Hexanone (MBK)	17.8		µg/kg wet	20.0		89.0	70-130	8.09	25	
Isopropylbenzene	22.4		µg/kg wet	20.0		112	70-130	7.41	25	
4-Isopropyltoluene	24.3		µg/kg wet	20.0		122	70-130	15.9	25	
Methyl tert-butyl ether	19.5		µg/kg wet	20.0		97.5	70-130	1.03	25	
4-Methyl-2-pentanone (MIBK)	17.9		µg/kg wet	20.0		89.5	38.8-135	4.37	50	
Methylene chloride	18.8		µg/kg wet	20.0		94.0	70-130	2.70	25	
Naphthalene	20.0		µg/kg wet	20.0		100	70-130	11.3	25	
n-Propylbenzene	22.7		µg/kg wet	20.0		114	70-130	10.1	25	
Styrene	21.8		µg/kg wet	20.0		109	70-130	5.66	25	
1,1,1,2-Tetrachloroethane	19.9		µg/kg wet	20.0		99.5	70-130	3.58	25	
1,1,2,2-Tetrachloroethane	20.4		µg/kg wet	20.0		102	70-130	0.00	25	
Tetrachloroethene	20.9		µg/kg wet	20.0		104	70-130	13.9	25	
Toluene	20.5		µg/kg wet	20.0		102	70-130	4.51	25	
1,2,3-Trichlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130	2.57	25	
1,2,4-Trichlorobenzene	18.5		µg/kg wet	20.0		92.5	70-130	4.42	25	
1,1,1-Trichloroethane	21.2		µg/kg wet	20.0		106	70-130	4.83	25	
1,1,2-Trichloroethane	20.6		µg/kg wet	20.0		103	70-130	0.966	25	
Trichloroethene	20.8		µg/kg wet	20.0		104	70-130	8.52	25	
Trichlorofluoromethane (Freon 11)	23.9		µg/kg wet	20.0		120	66.7-150	9.61	50	
1,2,3-Trichloropropane	20.7		µg/kg wet	20.0		104	70-130	0.00	25	
1,2,4-Trimethylbenzene	21.1		µg/kg wet	20.0		106	70-130	9.38	25	
1,3,5-Trimethylbenzene	21.9		µg/kg wet	20.0		110	70-130	9.52	25	
Vinyl chloride	23.5		µg/kg wet	20.0		118	70-130	5.22	25	
m,p-Xylene	44.9		µg/kg wet	40.0		112	70-130	8.37	25	
o-Xylene	21.8		µg/kg wet	20.0		109	70-130	4.69	25	
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/kg wet	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet	*50.0*		*96.4*	*70-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090268 - SW846 5035A Soil (low level)										
LCS Dup (5090268-BSD1)				Prepared & Analyzed: 06-Sep-05						
Surrogate: Dibromofluoromethane	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090241 - SW846 3545A										
Blank (5090241-BLK1)				Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.09*		mg/kg wet	*3.33*		*62.8*	*40-140*			
LCS (5090241-BS1)				Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	62.1	13.3	mg/kg wet	93.3		66.6	40-140			
Surrogate: 1-Chlorooctadecane	*2.25*		mg/kg wet	*3.33*		*67.6*	*40-140*			
Duplicate (5090241-DUP1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Gasoline	BRL	27.4	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	27.4	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	27.4	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	27.4	mg/kg dry		BRL				50	
Motor Oil	BRL	27.4	mg/kg dry		BRL				50	
Aviation Fuel	BRL	27.4	mg/kg dry		BRL				50	
Unidentified	BRL	27.4	mg/kg dry		28.0				50	QM-04
Other Oil	BRL	27.4	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	BRL	27.4	mg/kg dry		28.0				50	QM-04
C9-C36 Aliphatic Hydrocarbons	BRL	27.4	mg/kg dry		28.0				50	QM-04
Surrogate: 1-Chlorooctadecane	*2.33*		mg/kg dry	*3.43*		*67.9*	*40-140*			
Matrix Spike (5090241-MS1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	69.7	13.4	mg/kg dry	94.0	28.0	44.4	40-140			
Surrogate: 1-Chlorooctadecane	*2.51*		mg/kg dry	*3.36*		*74.7*	*40-140*			
Matrix Spike Dup (5090241-MSD1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	72.1	14.0	mg/kg dry	97.9	28.0	45.0	40-140	1.34	30	
Surrogate: 1-Chlorooctadecane	*2.42*		mg/kg dry	*3.50*		*69.1*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090092 - SW846 3545A										
Blank (5090092-BLK1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet	*28.6*		*105*	*30-150*			
LCS (5090092-BS1)				Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	394	28.6	µg/kg wet	357		110	40-140			
PCB 1260	347	28.6	µg/kg wet	357		97.2	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
Duplicate (5090092-DUP1)		**Source: SA33445-21**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	BRL	30.4	µg/kg dry		BRL				40	
PCB 1221	BRL	30.4	µg/kg dry		BRL				40	
PCB 1232	BRL	30.4	µg/kg dry		BRL				40	
PCB 1242	BRL	30.4	µg/kg dry		BRL				40	
PCB 1248	BRL	30.4	µg/kg dry		BRL				40	
PCB 1254	BRL	30.4	µg/kg dry		BRL				40	
PCB 1260	BRL	30.4	µg/kg dry		BRL				40	
PCB 1262	BRL	30.4	µg/kg dry		BRL				40	
PCB 1268	BRL	30.4	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.3*		µg/kg dry	*30.4*		*79.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*22.8*		µg/kg dry	*30.4*		*75.0*	*30-150*			
Matrix Spike (5090092-MS1)		**Source: SA33445-21**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	403	28.5	µg/kg dry	356	BRL	113	40-140			
PCB 1260	362	28.5	µg/kg dry	356	BRL	102	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.5*		µg/kg dry	*28.5*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg dry	*28.5*		*94.7*	*30-150*			
Matrix Spike Dup (5090092-MSD1)		**Source: SA33445-21**		Prepared: 02-Sep-05 Analyzed: 03-Sep-05						
PCB 1016	396	27.6	µg/kg dry	345	BRL	115	40-140	1.75	50	
PCB 1260	400	27.6	µg/kg dry	345	BRL	116	40-140	12.8	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.2*		µg/kg dry	*27.6*		*94.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*30.4*		µg/kg dry	*27.6*		*110*	*30-150*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090242 - SW846 3545A										
Blank (5090242-BLK1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
Acenaphthene	BRL	33.0	µg/kg wet							
Acenaphthylene	BRL	33.0	µg/kg wet							
Anthracene	BRL	33.0	µg/kg wet							
Benzo (a) anthracene	BRL	33.0	µg/kg wet							
Benzo (a) pyrene	BRL	33.0	µg/kg wet							
Benzo (b) fluoranthene	BRL	33.0	µg/kg wet							
Benzo (g,h,i) perylene	BRL	33.0	µg/kg wet							
Benzo (k) fluoranthene	BRL	33.0	µg/kg wet							
Chrysene	BRL	33.0	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	33.0	µg/kg wet							
Fluoranthene	BRL	33.0	µg/kg wet							
Fluorene	BRL	33.0	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	33.0	µg/kg wet							
1-Methylnaphthalene	BRL	33.0	µg/kg wet							
2-Methylnaphthalene	BRL	33.0	µg/kg wet							
Naphthalene	BRL	33.0	µg/kg wet							
Phenanthrene	BRL	33.0	µg/kg wet							
Pyrene	BRL	33.0	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*2320*		µg/kg wet	*3330*		*69.7*	*30-130*			
Surrogate: Terphenyl-dl4	*2300*		µg/kg wet	*3330*		*69.1*	*30-130*			
LCS (5090242-BS1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
Acenaphthene	2580	33.0	µg/kg wet	3330		77.5	40-140			
Acenaphthylene	3670	33.0	µg/kg wet	3330		110	40-140			
Anthracene	2840	33.0	µg/kg wet	3330		85.3	40-140			
Benzo (a) anthracene	2340	33.0	µg/kg wet	3330		70.3	40-140			
Benzo (a) pyrene	2410	33.0	µg/kg wet	3330		72.4	40-140			
Benzo (b) fluoranthene	2790	33.0	µg/kg wet	3330		83.8	40-140			
Benzo (g,h,i) perylene	2460	33.0	µg/kg wet	3330		73.9	40-140			
Benzo (k) fluoranthene	2260	33.0	µg/kg wet	3330		67.9	40-140			
Chrysene	2060	33.0	µg/kg wet	3330		61.9	40-140			
Dibenzo (a,h) anthracene	2460	33.0	µg/kg wet	3330		73.9	40-140			
Fluoranthene	3110	33.0	µg/kg wet	3330		93.4	40-140			
Fluorene	3170	33.0	µg/kg wet	3330		95.2	40-140			
Indeno (1,2,3-cd) pyrene	2690	33.0	µg/kg wet	3330		80.8	40-140			
1-Methylnaphthalene	2070	33.0	µg/kg wet	3330		62.2	40-140			
2-Methylnaphthalene	2560	33.0	µg/kg wet	3330		76.9	40-140			
Naphthalene	2420	33.0	µg/kg wet	3330		72.7	40-140			
Phenanthrene	2740	33.0	µg/kg wet	3330		82.3	40-140			
Pyrene	1880	33.0	µg/kg wet	3330		56.5	40-140			
Surrogate: 2-Fluorobiphenyl	*2420*		µg/kg wet	*3330*		*72.7*	*30-130*			
Surrogate: Terphenyl-dl4	*1820*		µg/kg wet	*3330*		*54.7*	*30-130*			
Duplicate (5090242-DUP1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	BRL	136	µg/kg dry		BRL				50	
Acenaphthylene	BRL	136	µg/kg dry		BRL				50	
Anthracene	BRL	136	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	136	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	136	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	136	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	136	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	136	µg/kg dry		BRL				50	
Chrysene	BRL	136	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	136	µg/kg dry		BRL				50	
Fluoranthene	BRL	136	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090242 - SW846 3545A										
Duplicate (5090242-DUP1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Fluorene	BRL	136	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	136	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	136	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	136	µg/kg dry		BRL				50	
Naphthalene	BRL	136	µg/kg dry		BRL				50	
Phenanthrene	BRL	136	µg/kg dry		BRL				50	
Pyrene	BRL	136	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*4040*		µg/kg dry	*6860*		*58.9*	*30-130*			
Surrogate: Terphenyl-dl4	*4370*		µg/kg dry	*6860*		*63.7*	*30-130*			
Matrix Spike (5090242-MS1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	4830	68.2	µg/kg dry	6890	BRL	70.1	40-140			
Pyrene	5020	68.2	µg/kg dry	6890	BRL	72.9	40-140			
Surrogate: 2-Fluorobiphenyl	*5050*		µg/kg dry	*6890*		*73.3*	*30-130*			
Surrogate: Terphenyl-dl4	*5490*		µg/kg dry	*6890*		*79.7*	*30-130*			
Matrix Spike Dup (5090242-MSD1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	4520	69.0	µg/kg dry	6970	BRL	64.8	40-140	7.86	30	
Pyrene	4720	69.0	µg/kg dry	6970	BRL	67.7	40-140	7.40	30	
Surrogate: 2-Fluorobiphenyl	*4430*		µg/kg dry	*6970*		*63.6*	*30-130*			
Surrogate: Terphenyl-dl4	*4920*		µg/kg dry	*6970*		*70.6*	*30-130*			
Batch 5090577 - SW846 1312										
Blank (5090577-BLK1)				Prepared & Analyzed: 11-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090650 - SW846 3535										
Blank (5090650-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
Naphthalene	BRL	5.00	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*181*		µg/l	*400*		*45.2*	*30-130*			
Surrogate: Terphenyl-dl4	*230*		µg/l	*400*		*57.5*	*30-130*			
LCS (5090650-BS1)				Prepared & Analyzed: 12-Sep-05						
Acenaphthene	242	5.00	µg/l	400		60.5	40-140			
Acenaphthylene	264	5.00	µg/l	400		66.0	40-140			
Anthracene	265	5.00	µg/l	400		66.2	40-140			
Benzo (a) anthracene	255	5.00	µg/l	400		63.8	40-140			
Benzo (a) pyrene	262	5.00	µg/l	400		65.5	40-140			
Benzo (b) fluoranthene	237	5.00	µg/l	400		59.2	40-140			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090650 - SW846 3535										
LCS (5090650-BS1)				Prepared & Analyzed: 12-Sep-05						
Benzo (g,h,i) perylene	242	5.00	µg/l	400		60.5	40-140			
Benzo (k) fluoranthene	275	5.00	µg/l	400		68.8	40-140			
Chrysene	255	5.00	µg/l	400		63.8	40-140			
Dibenzo (a,h) anthracene	224	5.00	µg/l	400		56.0	40-140			
Fluoranthene	255	5.00	µg/l	400		63.8	40-140			
Fluorene	257	5.00	µg/l	400		64.2	40-140			
Indeno (1,2,3-cd) pyrene	246	5.00	µg/l	400		61.5	40-140			
1-Methylnaphthalene	224	5.00	µg/l	400		56.0	40-140			
2-Methylnaphthalene	241	5.00	µg/l	400		60.2	40-140			
Naphthalene	230	5.00	µg/l	400		57.5	40-140			
Phenanthrene	251	5.00	µg/l	400		62.8	40-140			
Pyrene	254	5.00	µg/l	400		63.5	40-140			
Surrogate: 2-Fluorobiphenyl	*214*		µg/l	*400*		*53.5*	*30-130*			
Surrogate: Terphenyl-dl4	*234*		µg/l	*400*		*58.5*	*30-130*			
Duplicate (5090650-DUP1)		**Source: SA33538-01**		Prepared & Analyzed: 12-Sep-05						
Acenaphthene	BRL	5.00	µg/l		BRL				50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	BRL	5.00	µg/l		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	
1-Methylnaphthalene	BRL	5.00	µg/l		4.40			5.61	200	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
Phenanthrene	BRL	5.00	µg/l		BRL				50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*167*		µg/l	*400*		*41.8*	*30-130*			
Surrogate: Terphenyl-dl4	*206*		µg/l	*400*		*51.5*	*30-130*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090164 - EPA200/SW7000 Series										
Blank (5090164-BLK1)				Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5090164-BS1)				Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	0.938	0.179	mg/kg wet	0.893		105	80-120			
Duplicate (5090164-DUP1)		**Source: SA33164-03**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	BRL	0.167	mg/kg dry		BRL				35	
Duplicate (5090164-DUP2)		**Source: SA33319-01**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	BRL	0.171	mg/kg dry		BRL				35	
Matrix Spike (5090164-MS1)		**Source: SA33164-06**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	0.387	0.177	mg/kg dry	0.412	BRL	93.9	75-125			
Matrix Spike (5090164-MS2)		**Source: SA33319-04**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	0.454	0.180	mg/kg dry	0.418	BRL	109	75-125			
Matrix Spike Dup (5090164-MSD1)		**Source: SA33164-06**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	0.415	0.174	mg/kg dry	0.405	BRL	102	75-125	6.98	35	
Matrix Spike Dup (5090164-MSD2)		**Source: SA33319-04**		Prepared: 03-Sep-05 Analyzed: 07-Sep-05						
Mercury	0.410	0.176	mg/kg dry	0.410	BRL	100	75-125	10.2	35	

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090163 - EPA 200 Series									
Blank (5090163-BLK1)			Prepared & Analyzed: 03-Sep-05						
Antimony	BRL	3.00 mg/kg wet							
Silver	BRL	2.00 mg/kg wet							
Zinc	BRL	1.00 mg/kg wet							
Vanadium	BRL	1.00 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Nickel	BRL	1.00 mg/kg wet							
Thallium	BRL	3.00 mg/kg wet							
Lead	BRL	1.50 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Beryllium	BRL	0.400 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
LCS (5090163-BS1)			Prepared & Analyzed: 03-Sep-05						
Thallium	95.0	3.00 mg/kg wet	100		95.0	85-115			
Nickel	103	1.00 mg/kg wet	100		103	85-115			
Vanadium	95.0	1.00 mg/kg wet	100		95.0	85-115			
Selenium	99.0	3.00 mg/kg wet	100		99.0	85-115			
Antimony	96.2	3.00 mg/kg wet	100		96.2	85-115			
Silver	51.9	2.00 mg/kg wet	50.0		104	85-115			
Zinc	97.6	1.00 mg/kg wet	100		97.6	85-115			
Lead	102	1.50 mg/kg wet	100		102	85-115			
Chromium	94.9	1.00 mg/kg wet	100		94.9	85-115			
Cadmium	100	0.500 mg/kg wet	100		100	85-115			
Beryllium	99.9	0.400 mg/kg wet	100		99.9	85-115			
Arsenic	93.6	3.00 mg/kg wet	100		93.6	85-115			
Copper	96.0	1.00 mg/kg wet	100		96.0	85-115			
Barium	101	1.00 mg/kg wet	100		101	85-115			
Duplicate (5090163-DUP1)		**Source: SA33164-03**	Prepared & Analyzed: 03-Sep-05						
Nickel	8.27	0.501 mg/kg dry		7.80			5.85	35	
Zinc	14.8	0.501 mg/kg dry		14.2			4.14	35	
Vanadium	12.7	0.501 mg/kg dry		13.0			2.33	35	
Thallium	BRL	1.50 mg/kg dry		BRL				35	
Silver	BRL	1.00 mg/kg dry		BRL				35	
Antimony	BRL	1.50 mg/kg dry		BRL				35	
Selenium	BRL	1.50 mg/kg dry		BRL				35	
Copper	7.76	0.501 mg/kg dry		6.82			12.9	35	
Lead	5.92	0.751 mg/kg dry		4.99			17.0	35	
Arsenic	2.93	1.50 mg/kg dry		2.83			3.47	35	
Chromium	10.9	0.501 mg/kg dry		10.3			5.66	35	
Cadmium	BRL	0.250 mg/kg dry		BRL				35	
Beryllium	0.280	0.200 mg/kg dry		0.267			4.75	35	
Barium	19.5	0.501 mg/kg dry		18.4			5.80	35	
Duplicate (5090163-DUP2)		**Source: SA33319-04**	Prepared & Analyzed: 03-Sep-05						
Silver	4.62	1.03 mg/kg dry		BRL				35	
Vanadium	19.4	0.516 mg/kg dry		20.7			6.48	35	
Thallium	BRL	1.55 mg/kg dry		BRL				35	
Selenium	BRL	1.55 mg/kg dry		BRL				35	
Antimony	BRL	1.55 mg/kg dry		BRL				35	
Nickel	159	0.516 mg/kg dry		27.9			140	35	QR-0
Zinc	2660	0.516 mg/kg dry		1370			64.0	35	QR-05
Lead	1370	0.773 mg/kg dry		277			133	35	QR-05

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090163 - EPA 200 Series										
Duplicate (5090163-DUP2)		**Source: SA33319-04**		Prepared & Analyzed: 03-Sep-05						
Arsenic	5.28	1.55	mg/kg dry		BRL				35	
Copper	24500	0.516	mg/kg dry		3250			153	35	QR-05
Beryllium	0.423	0.206	mg/kg dry		0.434			2.57	35	
Cadmium	96.8	0.258	mg/kg dry		106			9.07	35	
Chromium	7.82	0.516	mg/kg dry		8.22			4.99	35	
Barium	33.6	0.516	mg/kg dry		36.3			7.73	35	
Matrix Spike (5090163-MS1)		**Source: SA33164-06**		Prepared & Analyzed: 03-Sep-05						
Antimony	51.9	1.53	mg/kg dry	50.9	BRL	102	70-130			
Selenium	49.7	1.53	mg/kg dry	50.9	BRL	97.6	70-130			
Thallium	50.4	1.53	mg/kg dry	50.9	BRL	99.0	70-130			
Nickel	56.5	0.509	mg/kg dry	50.9	5.00	101	70-130			
Silver	26.2	1.02	mg/kg dry	25.5	BRL	103	70-130			
Vanadium	58.3	0.509	mg/kg dry	50.9	10.0	94.9	70-130			
Zinc	60.2	0.509	mg/kg dry	50.9	10.6	97.4	70-130			
Beryllium	50.8	0.204	mg/kg dry	50.9	0.232	99.3	70-130			
Cadmium	50.6	0.255	mg/kg dry	50.9	BRL	99.4	70-130			
Chromium	56.2	0.509	mg/kg dry	50.9	8.25	94.2	70-130			
Copper	54.2	0.509	mg/kg dry	50.9	6.02	94.7	70-130			
Lead	53.7	0.764	mg/kg dry	50.9	4.11	97.4	70-130			
Arsenic	50.6	1.53	mg/kg dry	50.9	1.03	97.4	70-130			
Barium	69.7	0.509	mg/kg dry	50.9	18.0	102	70-130			
Matrix Spike (5090163-MS2)		**Source: SA33319-02**		Prepared & Analyzed: 03-Sep-05						
Selenium	47.4	1.52	mg/kg dry	50.8	BRL	93.3	70-130			
Nickel	58.9	0.508	mg/kg dry	50.8	8.87	98.5	70-130			
Silver	25.6	1.02	mg/kg dry	25.4	BRL	101	70-130			
Thallium	49.6	1.52	mg/kg dry	50.8	BRL	97.6	70-130			
Zinc	323	0.508	mg/kg dry	50.8	302	41.3	70-130			QM-4X
Vanadium	67.6	0.508	mg/kg dry	50.8	22.3	89.2	70-130			
Antimony	51.7	1.52	mg/kg dry	50.8	BRL	102	70-130			
Lead	96.1	0.761	mg/kg dry	50.8	43.6	103	70-130			
Arsenic	47.0	1.52	mg/kg dry	50.8	BRL	92.5	70-130			
Cadmium	54.5	0.254	mg/kg dry	50.8	5.90	95.7	70-130			
Beryllium	50.0	0.203	mg/kg dry	50.8	0.410	97.6	70-130			
Chromium	55.4	0.508	mg/kg dry	50.8	9.32	90.7	70-130			
Copper	404	0.508	mg/kg dry	50.8	519	NR	70-130			QM-4X
Barium	77.7	0.508	mg/kg dry	50.8	29.2	95.5	70-130			
Matrix Spike Dup (5090163-MSD1)		**Source: SA33164-06**		Prepared & Analyzed: 03-Sep-05						
Nickel	57.4	0.518	mg/kg dry	51.8	5.00	101	70-130	1.58	35	
Selenium	50.3	1.55	mg/kg dry	51.8	BRL	97.1	70-130	1.20	35	
Thallium	51.1	1.55	mg/kg dry	51.8	BRL	98.6	70-130	1.38	35	
Vanadium	57.2	0.518	mg/kg dry	51.8	10.0	91.1	70-130	1.90	35	
Zinc	59.5	0.518	mg/kg dry	51.8	10.6	94.4	70-130	1.17	35	
Silver	26.6	1.04	mg/kg dry	25.9	BRL	103	70-130	1.52	35	
Antimony	52.0	1.55	mg/kg dry	51.8	BRL	100	70-130	0.192	35	
Cadmium	51.8	0.259	mg/kg dry	51.8	BRL	100	70-130	2.34	35	
Lead	54.5	0.776	mg/kg dry	51.8	4.11	97.3	70-130	1.48	35	
Chromium	55.6	0.518	mg/kg dry	51.8	8.25	91.4	70-130	1.07	35	
Beryllium	51.7	0.207	mg/kg dry	51.8	0.232	99.4	70-130	1.76	35	
Arsenic	51.1	1.55	mg/kg dry	51.8	1.03	96.7	70-130	0.983	35	
Copper	55.0	0.518	mg/kg dry	51.8	6.02	94.6	70-130	1.47	35	
Barium	67.2	0.518	mg/kg dry	51.8	18.0	95.0	70-130	3.65	35	
Matrix Spike Dup (5090163-MSD2)		**Source: SA33319-02**		Prepared & Analyzed: 03-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090163 - EPA 200 Series										
Matrix Spike Dup (5090163-MSD2)		**Source: SA33319-02**		Prepared & Analyzed: 03-Sep-05						
Selenium	45.1	1.50	mg/kg dry	49.9	BRL	90.4	70-130	4.97	35	
Silver	24.9	0.997	mg/kg dry	24.9	BRL	100	70-130	2.77	35	
Thallium	50.6	1.50	mg/kg dry	49.9	BRL	101	70-130	2.00	35	
Vanadium	69.5	0.499	mg/kg dry	49.9	22.3	94.6	70-130	2.77	35	
Zinc	326	0.499	mg/kg dry	49.9	302	48.1	70-130	0.924	35	QM-4X
Nickel	58.6	0.499	mg/kg dry	49.9	8.87	99.7	70-130	0.511	35	
Antimony	50.7	1.50	mg/kg dry	49.9	BRL	102	70-130	1.95	35	
Arsenic	45.1	1.50	mg/kg dry	49.9	BRL	90.4	70-130	4.13	35	
Beryllium	49.3	0.199	mg/kg dry	49.9	0.410	98.0	70-130	1.41	35	
Cadmium	55.0	0.249	mg/kg dry	49.9	5.90	98.4	70-130	0.913	35	
Copper	404	0.499	mg/kg dry	49.9	519	NR	70-130	0.00	35	QM-4X
Lead	103	0.748	mg/kg dry	49.9	43.6	119	70-130	6.93	35	
Chromium	60.5	0.499	mg/kg dry	49.9	9.32	103	70-130	8.80	35	
Barium	83.9	0.499	mg/kg dry	49.9	29.2	110	70-130	7.67	35	
Reference (5090163-SRM1)				Prepared & Analyzed: 03-Sep-05						
Zinc	604	1.00	mg/kg wet	608		99.3	85-115			
Selenium	107	3.00	mg/kg wet	107		100	85-115			
Thallium	50.1	3.00	mg/kg wet	51.1		98.0	85-115			
Vanadium	58.3	1.00	mg/kg wet	60.3		96.7	85-115			
Silver	27.6	2.00	mg/kg wet	24.6		112	85-115			
Nickel	50.5	1.00	mg/kg wet	48.5		104	85-115			
Beryllium	2.46	0.400	mg/kg wet	2.30		107	85-115			
Arsenic	65.1	3.00	mg/kg wet	67.8		96.0	85-115			
Cadmium	109	0.500	mg/kg wet	109		100	85-115			
Chromium	54.9	1.00	mg/kg wet	54.2		101	85-115			
Lead	130	1.50	mg/kg wet	120		108	85-115			
Copper	67.5	1.00	mg/kg wet	63.7		106	85-115			
Barium	11.1	1.00	mg/kg wet	12.4		89.5	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090575 - SW846 1312									
Blank (5090575-BLK1)			Prepared & Analyzed: 11-Sep-05						
SPLP Extraction	Completed	N/A							
Batch 5090682 - SW846 3010A									
Blank (5090682-BLK1)			Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Vanadium	BRL	0.0050 mg/l							
Lead	BRL	0.0175 mg/l							
Nickel	BRL	0.0050 mg/l							
Beryllium	BRL	0.0020 mg/l							
Silver	BRL	0.0100 mg/l							
Copper	BRL	0.0145 mg/l							
Chromium	BRL	0.0050 mg/l							
Barium	BRL	0.0050 mg/l							
LCS (5090682-BS1)			Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Nickel	0.929	0.0050 mg/l	1.00		92.9	85-115			
Lead	0.899	0.0075 mg/l	1.00		89.9	85-115			
Vanadium	0.925	0.0050 mg/l	1.00		92.5	85-115			
Chromium	0.952	0.0050 mg/l	1.00		95.2	85-115			
Copper	0.962	0.0050 mg/l	1.00		96.2	85-115			
Beryllium	0.918	0.0020 mg/l	1.00		91.8	85-115			
Silver	0.517	0.0200 mg/l	0.500		103	85-115			
Barium	0.920	0.0050 mg/l	1.00		92.0	85-115			
LCS Dup (5090682-BSD1)			Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Lead	0.908	0.0075 mg/l	1.00		90.8	85-115	0.996	20	
Nickel	0.944	0.0050 mg/l	1.00		94.4	85-115	1.60	20	
Vanadium	0.940	0.0050 mg/l	1.00		94.0	85-115	1.61	20	
Silver	0.512	0.0200 mg/l	0.500		102	85-115	0.972	20	
Beryllium	0.905	0.0020 mg/l	1.00		90.5	85-115	1.43	20	
Copper	0.965	0.0050 mg/l	1.00		96.5	85-115	0.311	20	
Chromium	0.983	0.0050 mg/l	1.00		98.3	85-115	3.20	20	
Barium	0.942	0.0050 mg/l	1.00		94.2	85-115	2.36	20	
Duplicate (5090682-DUP1)		**Source: SA33429-03**	Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Lead	BRL	0.0175 mg/l		0.0075			15.8	20	
Nickel	BRL	0.0050 mg/l		BRL				20	
Vanadium	BRL	0.0050 mg/l		0.0030			35.3	20	QR-04
Copper	BRL	0.0145 mg/l		0.0120			15.4	20	
Beryllium	BRL	0.0020 mg/l		0.0002			0.00	20	
Chromium	BRL	0.0050 mg/l		BRL				20	
Silver	BRL	0.0100 mg/l		BRL				20	
Barium	0.0094	0.0050 mg/l		0.0094			0.00	20	
Matrix Spike (5090682-MS1)		**Source: SA33429-01**	Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Lead	0.878	0.0075 mg/l	1.00	0.0172	86.1	75-125			
Nickel	0.900	0.0050 mg/l	1.00	BRL	90.0	75-125			
Vanadium	0.911	0.0050 mg/l	1.00	0.0150	89.6	75-125			
Silver	0.387	0.0100 mg/l	0.500	BRL	77.4	75-125			
Copper	1.10	0.0050 mg/l	1.00	0.176	92.4	75-125			
Chromium	0.935	0.0050 mg/l	1.00	0.0046	93.0	75-125			
Beryllium	0.890	0.0020 mg/l	1.00	0.0003	89.0	75-125			
Barium	0.920	0.0050 mg/l	1.00	0.0240	89.6	75-125			
Matrix Spike Dup (5090682-MSD1)		**Source: SA33429-01**	Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Lead	0.868	0.0075 mg/l	1.00	0.0172	85.1	75-125	1.15	20	
Nickel	0.890	0.0050 mg/l	1.00	BRL	89.0	75-125	1.12	20	
Vanadium	0.896	0.0050 mg/l	1.00	0.0150	88.1	75-125	1.66	20	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090682 - SW846 3010A										
Matrix Spike Dup (5090682-MSD1)		**Source: SA33429-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Silver	0.382	0.0100	mg/l	0.500	BRL	76.4	75-125	1.30	20	
Copper	1.08	0.0050	mg/l	1.00	0.176	90.4	75-125	1.83	20	
Chromium	0.908	0.0050	mg/l	1.00	0.0046	90.3	75-125	2.93	20	
Beryllium	0.852	0.0020	mg/l	1.00	0.0003	85.2	75-125	4.36	20	
Barium	0.904	0.0050	mg/l	1.00	0.0240	88.0	75-125	1.75	20	
Batch 5090683 - EPA200/SW7000 Series										
Blank (5090683-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	BRL	0.00040	mg/l							
LCS (5090683-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	0.00252	0.00040	mg/l	0.00250		101	80-120			
Duplicate (5090683-DUP1)		**Source: SA33429-03**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	BRL	0.00040	mg/l		BRL				35	
Matrix Spike (5090683-MS1)		**Source: SA33429-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	0.00279	0.00040	mg/l	0.00250	0.00035	97.6	75-125			
Matrix Spike Dup (5090683-MSD1)		**Source: SA33429-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	0.00275	0.00040	mg/l	0.00250	0.00035	96.0	75-125	1.44	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090207 - General Preparation										
Duplicate (5090207-DUP1)		**Source: SA33452-12**		Prepared & Analyzed: 03-Sep-05						
% Solids	87.6		%		88.5			1.02	20	

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33429-01 SA33429-02 SA33429-03 SA33429-04 SA33429-05 SA33429-06 SA33429-07	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/13/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA33520 (MM)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

IW#501279 (DH)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
W. Hartford, CT | Hartford, CT
P.O. No.: 06110 | RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
Meriden, CT State:
Sampler(s): JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *if applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH by CT Method	VOCs by 5035/8260	SVOCs by 8270	PAHs only by 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn +	Total Sb, Be, Tl, Vn	VOCs 8260	
SA33520-01	JTP050901-66	9-1-05	9:00	G	S	8,9	3	2			X	X		X			X	X	X		Splp Cr, Pb, Ni, V, Hg
-02	JTP050901-69		10:30		S	8,9	3	2			X	X	X		X	X	X	X	X		Splp Ba, Be, Cr, V
-03	JTP050901-72		11:50		S	8,9	3	2			X	X	X		X	X	X	X	X		Splp PCB, Splp PAH, Cr, Pb, Ni, V
-04	JTP050901-76		12:25		S	8,9	3	2			X	X	X		X	X	X	X	X		Splp Cr, Pb, Ni, V, Ag
-05	JTP050901-77		12:30		S	8,9	3	2			X	X	X		X	X	X	X	X		Splp Cr, Pb, Ni, V, As
-06	JTP050901-84		15:40		W	2	2													X	
-07	JTP050901-83		15:30		W	2	2													X	

Splp Hg, Cu, Ag - 03

ADDED ANALYSIS MM per client fax 9/12/05

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 1

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9/2/05	1145
[signature]	[signature]	9/2/05	15:20

AOC-7 AOC-3

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SUPPLEMENTAL

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
W. Hartford, CT 06110 | Hartford, CT 06106
P.O. No.: _____ RQN: _____

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets, Meriden, CT
State: _____
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP PCBs	SPLP PAHs	SPLP Cr, Pb, Ni, Vn	SPLP Hg	SPLP Cu	SPLP Ag	SPLP Arsenic	SPLP Ba, Beryllium	SPLP Cr, Vn
SA	33520-01	JTP050901-66	9-1-05	9:00	G	S	8.9	3	2					X	X					
SA	33520-02	JTP050901-69	↓	10:30	↓	↓	8.9	3	2										X	X
SA	33520-03	JTP050901-72	↓	11:50	↓	↓	8.9	3	2			X	X	X	X	X	X			
SA	33520-04	JTP050901-76	↓	12:25	↓	↓	8.9	3	2					X			X			
SA	33520-05	JTP050901-77	↓	12:30	↓	↓	8.9	3	2					X				X		

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format PDF format

Relinquished by:	Received by:	Date:	Time:

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Report Date:
19-Sep-05 13:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33520-01	JTP050901-66	Soil	01-Sep-05 09:00	02-Sep-05 15:20
SA33520-02	JTP050901-69	Soil	01-Sep-05 10:30	02-Sep-05 15:20
SA33520-03	JTP050901-72	Soil	01-Sep-05 11:50	02-Sep-05 15:20
SA33520-04	JTP050901-76	Soil	01-Sep-05 12:25	02-Sep-05 15:20
SA33520-05	JTP050901-77	Soil	01-Sep-05 12:30	02-Sep-05 15:20
SA33520-06	JTP050901-84	Aqueous	01-Sep-05 15:40	02-Sep-05 15:20
SA33520-07	JTP050901-83	Aqueous	01-Sep-05 15:30	02-Sep-05 15:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 58 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by

Hanibal G. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-66 SA33520-01	CEE Project #2005.045	Soil	01-Sep-05 09:00	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Sep-05	02-Sep-05	5090188	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10
67-64-1	Acetone	BRL	624 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
107-13-1	Acrylonitrile	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	312 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	156 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	312 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-66 SA33520-01	CEE Project #2005.045	Soil	01-Sep-05 09:00	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	31.2 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	312 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	312 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	31.2 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.3*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*93.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*80.7*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*89.0*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	27.4 mg/kg dry	1	+CT ETPH	07-Sep-05	08-Sep-05	5090337	KG	
68476-30-2	Fuel Oil #2	BRL	27.4 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	27.4 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	27.4 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	27.4 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	27.4 mg/kg dry	1	"	"	"	"	"	
	Unidentified	181	27.4 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	27.4 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	181	27.4 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	181	27.4 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*107*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3545A							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-66 SA33520-01	CEE Project #2005.045	Soil	01-Sep-05 09:00	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	136 µg/kg dry	1	SW846 8270C	07-Sep-05	08-Sep-05	5090338		
208-96-8	Acenaphthylene	BRL	136 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	346	136 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	618	136 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	696	136 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	579	136 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	328	136 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	660	136 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	730	136 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	136 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,410	136 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	136 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	296	136 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	136 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	136 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	136 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	799	136 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,280	136 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*58.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*60.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	1.35	0.188 mg/kg dry	1	SW846 7471A	07-Sep-05	08-Sep-05	5090310	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	5.23	1.05 mg/kg dry	1	EPA 200.7	07-Sep-05	08-Sep-05	5090481	RE	
7440-38-2	Arsenic	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	73.8	0.525 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.498	0.210 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.262 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	13.9	0.525 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	124	0.525 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	23.9	0.525 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	113	0.787 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	23.6 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.57 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	27.5	0.525 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	123	0.525 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090725	CB	
7440-47-3	Chromium	0.0085	0.0050 mg/l	1	SW846 6010B	13-Sep-05	14-Sep-05	5090733	RE	
7439-97-6	Mercury	0.00046	0.00040 mg/l	1	SW846 7470A	"	14-Sep-05	5090734	YP	
7440-02-0	Nickel	BRL	0.0050 mg/l	1	SW846 6010B	"	14-Sep-05	5090733	RE	
39-92-1	Lead	0.0226	0.0075 mg/l	1	"	"	"	"	"	
40-62-2	Vanadium	0.0172	0.0050 mg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-66 SA33520-01	CEE Project #2005.045	Soil	01-Sep-05 09:00	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
	% Solids	91.3	%	1	SM2540 G Mod.	06-Sep-05	06-Sep-05	5090313	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-69 SA33520-02	CEE Project #2005.045	Soil	01-Sep-05 10:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Sep-05	02-Sep-05	5090188	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10
67-64-1	Acetone	BRL	2110 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
107-13-1	Acrylonitrile	BRL	106 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	106 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	211 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1060 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	528 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	106 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	211 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	106 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	211 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	106 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	106 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	211 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	106 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	211 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	106 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	106 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	106 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	106 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	106 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	106 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	106 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	106 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	106 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	106 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1060 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	106 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-69 SA33520-02	CEE Project #2005.045	Soil	01-Sep-05 10:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	106 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1060 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1060 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	106 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	106 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	106 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	106 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	106 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	106 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	106 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	106 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	106 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	211 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	106 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*80.7*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*86.7*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	34.8 mg/kg dry	1	+CT ETPH	06-Sep-05	07-Sep-05	5090260	KG	
68476-30-2	Fuel Oil #2	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	Unidentified	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*102*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-69 SA33520-02	CEE Project #2005.045	Soil	01-Sep-05 10:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	35.0 µg/kg dry	1	SW846 8082	05-Sep-05	06-Sep-05	5090246	SM	
11104-28-2	PCB 1221	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85.1*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	324 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
208-96-8	Acenaphthylene	BRL	324 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	324 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	324 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	324 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	324 µg/kg dry	1	"	"	"	"	"	
-87-5	Benzidine	BRL	324 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	324 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	324 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	324 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	324 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	324 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	324 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	324 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	324 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	324 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	324 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	324 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	324 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	324 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	324 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	324 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	324 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	324 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	324 µg/kg dry	1	"	"	"	"	"	
50-1	1,2-Dichlorobenzene	BRL	324 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	324 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-69 SA33520-02	CEE Project #2005.045	Soil	01-Sep-05 10:30	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
106-46-7	1,4-Dichlorobenzene	BRL	324 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
91-94-1	3,3'-Dichlorobenzidine	BRL	324 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	324 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	324 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	324 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	324 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	324 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	324 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	324 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	324 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	324 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	324 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	324 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	324 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	324 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	324 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	324 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	324 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1290 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	324 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1290 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	324 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	324 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	324 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1290 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	324 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	324 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	324 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	324 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	324 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*71.3*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*52.6*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62.7*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-69 SA33520-02	CEE Project #2005.045	Soil	01-Sep-05 10:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
4165-62-2	*Phenol-d5*	*59.0*	*15-110 %*		SW846 8270C	05-Sep-05	07-Sep-05	5090244		
1718-51-0	*Terphenyl-dl4*	*86.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*57.2*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.208 mg/kg dry	1	SW846 7471A	07-Sep-05	08-Sep-05	5090310	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.30 mg/kg dry	1	EPA 200.7	07-Sep-05	08-Sep-05	5090481	RE	
7440-38-2	Arsenic	BRL	1.96 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	217	0.652 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	1.34	0.261 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.326 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	40.1	0.652 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	18.7	0.652 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	16.2	0.652 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	BRL	4.89 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	29.3 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.96 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.96 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	80.1	0.652 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	68.5	0.652 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090725	CB	
7440-39-3	Barium	0.0578	0.0050 mg/l	1	SW846 6010B	13-Sep-05	14-Sep-05	5090733	RE	
7440-41-7	Beryllium	BRL	0.0020 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	0.0118	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0130	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.30 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	75.8	%	1	SM2540 G Mod.	06-Sep-05	06-Sep-05	5090313	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Sep-05	02-Sep-05	5090188	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1450 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
107-13-1	Acrylonitrile	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	145 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	725 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	362 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	145 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	145 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	145 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	145 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	725 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	BRL	72.5 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	725 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	725 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	493	72.5 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	204	72.5 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	145 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	72.5 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*91.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*85.3*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93.7*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	29.8 mg/kg dry	1	+CT ETPH	06-Sep-05	07-Sep-05	5090260	KG	
68476-30-2	Fuel Oil #2	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	29.8 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
	Unidentified	382	29.8 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	382	29.8 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	382	29.8 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*210*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	33.2 µg/kg dry	1	SW846 8082	05-Sep-05	06-Sep-05	5090246	SM	
11104-28-2	PCB 1221	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	109	33.2 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.2 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95.2*	*30-150 %*		"	"	"	"	"	
SPLP Polychlorinated Biphenyls by SW846 1312/808			Prepared by method		SW846 3535					
12674-11-2	PCB 1016	BRL	0.200 µg/l	1	"	14-Sep-05	15-Sep-05	5090829	"	
11104-28-2	PCB 1221	BRL	0.200 µg/l	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	0.200 µg/l	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	0.200 µg/l	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	0.200 µg/l	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	0.200 µg/l	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	0.200 µg/l	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	0.200 µg/l	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	0.200 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85.0*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90.0*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090727	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	1460 µg/kg dry	5	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
208-96-8	Acenaphthylene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
62-53-3	Aniline	BRL	1460 µg/kg dry	5	"	"	"	"	"	
120-12-7	Anthracene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
1912-24-9	Atrazine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
92-87-5	Benzidine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	2,240	1460 µg/kg dry	5	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	2,220	1460 µg/kg dry	5	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	1,880	1460 µg/kg dry	5	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	2,260	1460 µg/kg dry	5	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	1460 µg/kg dry	5	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	1460 µg/kg dry	5	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	1460 µg/kg dry	5	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	1460 µg/kg dry	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	1460 µg/kg dry	5	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
101-55-3	4-Bromophenyl phenyl ether	BRL	1460 µg/kg dry	5	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	1460 µg/kg dry	5	"	"	"	"	"	
86-74-8	Carbazole	BRL	1460 µg/kg dry	5	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	1460 µg/kg dry	5	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	1460 µg/kg dry	5	"	"	"	"	"	
218-01-9	Chrysene	2,280	1460 µg/kg dry	5	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	1460 µg/kg dry	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	1460 µg/kg dry	5	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	1460 µg/kg dry	5	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
[illegible]4-74-2	Di-n-butyl phthalate	BRL	1460 µg/kg dry	5	"	"	"	"	"	
[illegible]4-52-1	4,6-Dinitro-2-methylphenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	1460 µg/kg dry	5	"	"	"	"	"	
206-44-0	Fluoranthene	5,240	1460 µg/kg dry	5	"	"	"	"	"	
86-73-7	Fluorene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	1460 µg/kg dry	5	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
78-59-1	Isophorone	BRL	1460 µg/kg dry	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	1460 µg/kg dry	5	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	1460 µg/kg dry	5	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5850 µg/kg dry	5	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
[illegible]-02-7	4-Nitrophenol	BRL	5850 µg/kg dry	5	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	1460 µg/kg dry	5	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
621-64-7	N-Nitrosodi-n-propylamine	BRL	1460 µg/kg dry	5	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
86-30-6	N-Nitrosodiphenylamine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5850 µg/kg dry	5	"	"	"	"	"	
85-01-8	Phenanthrene	3,440	1460 µg/kg dry	5	"	"	"	"	"	
108-95-2	Phenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
129-00-0	Pyrene	5,150	1460 µg/kg dry	5	"	"	"	"	"	
110-86-1	Pyridine	BRL	1460 µg/kg dry	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1460 µg/kg dry	5	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	1460 µg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*70.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*64.4*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*78.3*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*72.2*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*95.3*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*61.7*	*15-110 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method		SW846 3535					
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	14-Sep-05	19-Sep-05	5091046	MB	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*35.6*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*48.6*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	1.60	0.185 mg/kg dry	1	SW846 7471A	07-Sep-05	08-Sep-05	5090310	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	82.7	3.54 mg/kg dry	1	EPA 200.7	08-Sep-05	09-Sep-05	5090551	RE	QM-04
7440-38-2	Arsenic	3.70	1.72 mg/kg dry	1	"	07-Sep-05	08-Sep-05	5090481	"	
7440-39-3	Barium	195	0.574 mg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-72 SA33520-03	CEE Project #2005.045	Soil	01-Sep-05 11:50	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-41-7	Beryllium	0.654	0.230 mg/kg dry	1	EPA 200.7	07-Sep-05	08-Sep-05	5090481	RE	
7440-43-9	Cadmium	BRL	3.44 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	205	0.574 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	932	0.574 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	141	0.574 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	369	0.861 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	25.8 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.72 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.72 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	40.0	0.574 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	510	0.574 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090725	CB	
7440-22-4	Silver	0.0104	0.0100 mg/l	1	SW846 6010B	13-Sep-05	14-Sep-05	5090733	RE	
7440-47-3	Chromium	0.0059	0.0050 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0962	0.0050 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	14-Sep-05	5090734	YP	
7440-02-0	Nickel	0.0148	0.0050 mg/l	1	SW846 6010B	"	14-Sep-05	5090733	RE	
7439-92-1	Lead	0.0402	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0142	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.16 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	85.8	%	1	SM2540 G Mod.	06-Sep-05	06-Sep-05	5090313	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-76 SA33520-04	CEE Project #2005.045	Soil	01-Sep-05 12:25	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Sep-05	02-Sep-05	5090188	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1820 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
107-13-1	Acrylonitrile	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	182 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	908 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	454 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	183	90.8 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	182 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	235	90.8 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	182 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	182 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	182 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	283	90.8 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	908 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-76 SA33520-04	CEE Project #2005.045	Soil	01-Sep-05 12:25	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	BRL	90.8 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	908 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	908 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	25,400	90.8 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	182 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	90.8 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*84.0*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*90.3*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	33.0 mg/kg dry	1	+CT ETPH	06-Sep-05	07-Sep-05	5090260	KG	
68476-30-2	Fuel Oil #2	BRL	33.0 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	33.0 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	33.0 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	33.0 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	33.0 mg/kg dry	1	"	"	"	"	"	
	Unidentified	62.3	33.0 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	33.0 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	62.3	33.0 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	62.3	33.0 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*104*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-76 SA33520-04	CEE Project #2005.045	Soil	01-Sep-05 12:25	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	33.3 µg/kg dry	1	SW846 8082	06-Sep-05	07-Sep-05	5090263	SM	
11104-28-2	PCB 1221	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.3 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70.2*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	337 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
208-96-8	Acenaphthylene	BRL	337 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	337 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	337 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	337 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	337 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	337 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	337 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	337 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	337 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	337 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	337 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	337 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	337 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	337 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	337 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	337 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	337 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	337 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	337 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	337 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	337 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	337 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	337 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	337 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	337 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	337 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-76 SA33520-04	CEE Project #2005.045	Soil	01-Sep-05 12:25	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
106-46-7	1,4-Dichlorobenzene	BRL	337 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
91-94-1	3,3'-Dichlorobenzidine	BRL	337 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	337 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	337 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	337 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	455	337 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	337 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	337 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	337 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	337 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	337 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	337 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	337 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	337 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	337 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	337 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	337 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	337 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1350 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	337 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1350 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	337 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	337 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	337 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1350 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	337 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	427	337 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	337 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	337 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	337 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*75.9*	*30-130 %*		"	"	"	"	"	
7-12-4	*2-Fluorophenol*	*56.2*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75.0*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-76 SA33520-04	CEE Project #2005.045	Soil	01-Sep-05 12:25	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
4165-62-2	*Phenol-d5*	*59.7*	*15-110 %*		SW846 8270C	05-Sep-05	07-Sep-05	5090244		
1718-51-0	*Terphenyl-dl4*	*92.6*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58.2*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.0054	0.0013 mg/kg dry	1	SW846 7471A	07-Sep-05	08-Sep-05	5090310	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	10.0	1.26 mg/kg dry	1	EPA 200.7	07-Sep-05	08-Sep-05	5090481	RE	
7440-38-2	Arsenic	8.95	1.89 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	146	0.630 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.593	0.252 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	2.84 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	14.0	0.630 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	200	0.630 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	39.8	0.630 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	3,670	0.946 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	28.4 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.89 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	31.2	0.630 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	746	0.630 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090725	CB	
7440-22-4	Silver	BRL	0.0100 mg/l	1	SW846 6010B	13-Sep-05	14-Sep-05	5090733	RE	
7440-47-3	Chromium	0.0179	0.0050 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.0140	0.0050 mg/l	1	"	"	"	"	"	
7439-92-1	Lead	0.140	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0320	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.25 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	77.8	%	1	SM2540 G Mod.	06-Sep-05	06-Sep-05	5090313	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-77 SA33520-05	CEE Project #2005.045	Soil	01-Sep-05 12:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Sep-05	02-Sep-05	5090188	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1860 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
107-13-1	Acrylonitrile	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	186 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	929 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	465 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	204	92.9 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	186 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	233	92.9 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	186 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	186 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	186 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	329	92.9 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	929 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-77 SA33520-05	CEE Project #2005.045	Soil	01-Sep-05 12:30	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	BRL	92.9 µg/kg dry	50	SW846 8260B	03-Sep-05	03-Sep-05	5090206	KRL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	929 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	929 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	25,600	92.9 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	186 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	92.9 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*92.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*87.3*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95.0*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	34.8 mg/kg dry	1	+CT ETPH	06-Sep-05	07-Sep-05	5090260	KG	
68476-30-2	Fuel Oil #2	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	34.8 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	Unidentified	76.6	34.8 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	34.8 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	76.6	34.8 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	76.6	34.8 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*109*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-77 SA33520-05	CEE Project #2005.045	Soil	01-Sep-05 12:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	37.5 µg/kg dry	1	SW846 8082	06-Sep-05	07-Sep-05	5090263	SM	
11104-28-2	PCB 1221	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	37.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	BRL	318 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
208-96-8	Acenaphthylene	BRL	318 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	318 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	318 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	318 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	318 µg/kg dry	1	"	"	"	"	"	
-87-5	Benzidine	BRL	318 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	318 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	318 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	318 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	318 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	318 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	318 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	318 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	318 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	318 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	318 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	318 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	318 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	318 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	318 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	318 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	318 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	318 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	318 µg/kg dry	1	"	"	"	"	"	
-50-1	1,2-Dichlorobenzene	BRL	318 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	318 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-77 SA33520-05	CEE Project #2005.045	Soil	01-Sep-05 12:30	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method		SW846 3545A						
106-46-7	1,4-Dichlorobenzene	BRL	318 µg/kg dry	1	SW846 8270C	05-Sep-05	07-Sep-05	5090244		
91-94-1	3,3′-Dichlorobenzidine	BRL	318 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	318 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	318 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	318 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	318 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	318 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	318 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	318 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	318 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	318 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	318 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	318 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	318 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	318 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	318 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	318 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	318 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1270 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	318 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1270 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	318 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	318 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	318 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1270 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	318 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	318 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	318 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	318 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	318 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*67.6*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*61.1*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*76.6*	*30-130 %*		"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-77 SA33520-05	CEE Project #2005.045	Soil	01-Sep-05 12:30	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
4165-62-2	*Phenol-d5*	*50.8*	*15-110 %*		SW846 8270C	05-Sep-05	07-Sep-05	5090244		
1718-51-0	*Terphenyl-dl4*	*95.6*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56.7*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.379	0.221 mg/kg dry	1	SW846 7471A	07-Sep-05	08-Sep-05	5090310	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	5.02	1.30 mg/kg dry	1	EPA 200.7	07-Sep-05	08-Sep-05	5090481	RE	
7440-38-2	Arsenic	11.0	1.95 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	178	0.650 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.578	0.260 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	3.25 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	13.4	0.650 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	126	0.650 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	37.4	0.650 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	6,630	0.975 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	29.2 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.95 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.95 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	27.1	0.650 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	693	0.650 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	12-Sep-05	12-Sep-05	5090725	CB	
7440-38-2	Arsenic	BRL	0.0150 mg/l	1	SW846 6010B	13-Sep-05	14-Sep-05	5090733	RE	
7440-47-3	Chromium	0.0270	0.0050 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.0130	0.0050 mg/l	1	"	"	"	"	"	
7439-92-1	Lead	0.454	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0465	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.30 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	76.0	%	1	SM2540 G Mod.	06-Sep-05	06-Sep-05	5090313	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-84 SA33520-06	CEE Project #2005.045	Aqueous	01-Sep-05 15:40	02-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	06-Sep-05	06-Sep-05	5090274	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-84 SA33520-06	CEE Project #2005.045	Aqueous	01-Sep-05 15:40	02-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	06-Sep-05	06-Sep-05	5090274	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
[illegible]-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-83 SA33520-07	CEE Project #2005.045	Aqueous	01-Sep-05 15:30	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	06-Sep-05	06-Sep-05	5090274	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050901-83 SA33520-07	CEE Project #2005.045	Aqueous	01-Sep-05 15:30	02-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	06-Sep-05	06-Sep-05	5090274	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	3.8	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090206 - SW846 5030 Soil (high level)										
Blank (5090206-BLK1)				Prepared & Analyzed: 03-Sep-05						
Acetone	BRL	20.0	µg/kg wet							
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090206 - SW846 5030 Soil (high level)										
LCS Dup (5090206-BSD1)				Prepared & Analyzed: 03-Sep-05						
1,2-Dibromo-3-chloropropane	17.6		µg/kg wet	20.0		88.0	70-130	1.14	25	
Dibromochloromethane	16.1		µg/kg wet	20.0		80.5	52-148	1.88	50	
1,2-Dibromoethane (EDB)	17.9		µg/kg wet	20.0		89.5	70-130	2.83	25	
Dibromomethane	18.5		µg/kg wet	20.0		92.5	70-130	3.86	25	
1,2-Dichlorobenzene	20.5		µg/kg wet	20.0		102	70-130	0.00	25	
1,3-Dichlorobenzene	18.4		µg/kg wet	20.0		92.0	70-130	0.00	25	
1,4-Dichlorobenzene	19.4		µg/kg wet	20.0		97.0	70-130	2.54	25	
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet	20.0		104	60.6-196	15.9	50	
1,1-Dichloroethane	21.9		µg/kg wet	20.0		110	70-130	2.69	25	
1,2-Dichloroethane	16.0		µg/kg wet	20.0		80.0	70-130	0.627	25	
1,1-Dichloroethene	19.0		µg/kg wet	20.0		95.0	70-130	0.525	25	
cis-1,2-Dichloroethene	19.6		µg/kg wet	20.0		98.0	70-130	4.00	25	
trans-1,2-Dichloroethene	19.9		µg/kg wet	20.0		99.5	70-130	8.19	25	
1,2-Dichloropropane	22.4		µg/kg wet	20.0		112	70-130	1.77	25	
1,3-Dichloropropane	19.1		µg/kg wet	20.0		95.5	70-130	2.58	25	
2,2-Dichloropropane	14.0		µg/kg wet	20.0		70.0	70-130	6.90	25	
1,1-Dichloropropene	16.8		µg/kg wet	20.0		84.0	70-130	10.2	25	
cis-1,3-Dichloropropene	18.7		µg/kg wet	20.0		93.5	70-130	2.64	25	
trans-1,3-Dichloropropene	17.7		µg/kg wet	20.0		88.5	70-130	1.12	25	
Ethylbenzene	19.1		µg/kg wet	20.0		95.5	70-130	4.60	25	
Hexachlorobutadiene	14.8		µg/kg wet	20.0		74.0	67-154	12.1	50	
2-Hexanone (MBK)	14.5		µg/kg wet	20.0		72.5	70-130	2.05	25	
Isopropylbenzene	17.3		µg/kg wet	20.0		86.5	70-130	4.52	25	
4-Isopropyltoluene	17.8		µg/kg wet	20.0		89.0	70-130	8.09	25	
Methyl tert-butyl ether	19.5		µg/kg wet	20.0		97.5	70-130	3.66	25	
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet	20.0		97.0	38.8-135	0.00	50	
Methylene chloride	20.1		µg/kg wet	20.0		100	70-130	1.51	25	
Naphthalene	19.4		µg/kg wet	20.0		97.0	70-130	5.29	25	
n-Propylbenzene	18.8		µg/kg wet	20.0		94.0	70-130	4.17	25	
Styrene	18.8		µg/kg wet	20.0		94.0	70-130	6.19	25	
1,1,1,2-Tetrachloroethane	17.6		µg/kg wet	20.0		88.0	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet	20.0		96.0	70-130	1.04	25	
Tetrachloroethene	15.9		µg/kg wet	20.0		79.5	70-130	5.50	25	
Toluene	18.9		µg/kg wet	20.0		94.5	70-130	3.64	25	
1,2,3-Trichlorobenzene	16.5		µg/kg wet	20.0		82.5	70-130	0.604	25	
1,2,4-Trichlorobenzene	17.6		µg/kg wet	20.0		88.0	70-130	1.72	25	
1,1,1-Trichloroethane	14.2		µg/kg wet	20.0		71.0	70-130	3.46	25	
1,1,2-Trichloroethane	19.9		µg/kg wet	20.0		99.5	70-130	2.48	25	
Trichloroethene	18.6		µg/kg wet	20.0		93.0	70-130	4.21	25	
Trichlorofluoromethane (Freon 11)	14.8		µg/kg wet	20.0		74.0	66.7-150	4.62	50	
1,2,3-Trichloropropane	19.8		µg/kg wet	20.0		99.0	70-130	2.56	25	
1,2,4-Trimethylbenzene	18.3		µg/kg wet	20.0		91.5	70-130	1.63	25	
1,3,5-Trimethylbenzene	17.6		µg/kg wet	20.0		88.0	70-130	1.69	25	
Vinyl chloride	20.7		µg/kg wet	20.0		104	70-130	5.61	25	
m,p-Xylene	39.9		µg/kg wet	40.0		99.8	70-130	4.12	25	
o-Xylene	19.4		µg/kg wet	20.0		97.0	70-130	6.97	25	
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/kg wet	*30.0*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*28.9*		µg/kg wet	*30.0*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/kg wet	*30.0*		*84.0*	*70-130*			
Surrogate: Dibromofluoromethane	*28.3*		µg/kg wet	*30.0*		*94.3*	*70-130*			
Matrix Spike (5090206-MS1)		**Source: SA33508-13**		Prepared & Analyzed: 03-Sep-05						
enzene	23.3		µg/kg dry	20.0	BRL	116	70-130			
Chlorobenzene	23.0		µg/kg dry	20.0	BRL	115	70-130			
1,1-Dichloroethene	20.0		µg/kg dry	20.0	BRL	100	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090206 - SW846 5030 Soil (high level)										
Matrix Spike (5090206-MS1)		**Source: SA33508-13**		Prepared & Analyzed: 03-Sep-05						
Toluene	22.9		µg/kg dry	20.0	BRL	114	70-130			
Trichloroethene	21.6		µg/kg dry	20.0	BRL	108	70-130			
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/kg dry	*30.0*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*29.0*		µg/kg dry	*30.0*		*96.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/kg dry	*30.0*		*80.7*	*70-130*			
Surrogate: Dibromofluoromethane	*26.1*		µg/kg dry	*30.0*		*87.0*	*70-130*			
Matrix Spike Dup (5090206-MSD1)		**Source: SA33508-13**		Prepared & Analyzed: 03-Sep-05						
Benzene	24.0		µg/kg dry	20.0	BRL	120	70-130	3.39	30	
Chlorobenzene	23.3		µg/kg dry	20.0	BRL	116	70-130	0.866	30	
1,1-Dichloroethene	20.3		µg/kg dry	20.0	BRL	102	70-130	1.98	30	
Toluene	23.1		µg/kg dry	20.0	BRL	116	70-130	1.74	30	
Trichloroethene	21.0		µg/kg dry	20.0	BRL	105	70-130	2.82	30	
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg dry	*30.0*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*28.2*		µg/kg dry	*30.0*		*94.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/kg dry	*30.0*		*83.3*	*70-130*			
Surrogate: Dibromofluoromethane	*27.4*		µg/kg dry	*30.0*		*91.3*	*70-130*			
Batch 5090274 - SW846 5030 Water MS										
Blank (5090274-BLK1)				Prepared & Analyzed: 06-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090274 - SW846 5030 Water MS									
Blank (5090274-BLK1)			Prepared & Analyzed: 06-Sep-05						
2,2-Dichloropropane	BRL	1.0 µg/l							
1,1-Dichloropropene	BRL	1.0 µg/l							
cis-1,3-Dichloropropene	BRL	1.0 µg/l							
trans-1,3-Dichloropropene	BRL	1.0 µg/l							
Ethylbenzene	BRL	1.0 µg/l							
Hexachlorobutadiene	BRL	1.0 µg/l							
2-Hexanone (MBK)	BRL	10.0 µg/l							
Isopropylbenzene	BRL	1.0 µg/l							
4-Isopropyltoluene	BRL	1.0 µg/l							
Methyl tert-butyl ether	BRL	1.0 µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l							
Methylene chloride	BRL	10.0 µg/l							
Naphthalene	BRL	1.0 µg/l							
n-Propylbenzene	BRL	1.0 µg/l							
Styrene	BRL	1.0 µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l							
Tetrachloroethene	BRL	1.0 µg/l							
Toluene	BRL	1.0 µg/l							
1,2,3-Trichlorobenzene	BRL	1.0 µg/l							
1,2,4-Trichlorobenzene	BRL	1.0 µg/l							
1,1,1-Trichloroethane	BRL	1.0 µg/l							
1,1,2-Trichloroethane	BRL	1.0 µg/l							
Trichloroethene	BRL	1.0 µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l							
1,2,3-Trichloropropane	BRL	1.0 µg/l							
1,2,4-Trimethylbenzene	BRL	1.0 µg/l							
1,3,5-Trimethylbenzene	BRL	1.0 µg/l							
Vinyl chloride	BRL	1.0 µg/l							
m,p-Xylene	BRL	2.0 µg/l							
o-Xylene	BRL	1.0 µg/l							
Surrogate: 4-Bromofluorobenzene	*55.3*	µg/l	*50.0*		*111*	*70-130*			
Surrogate: Toluene-d8	*49.5*	µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.9*	µg/l	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*52.3*	µg/l	*50.0*		*105*	*70-130*			
LCS (5090274-BS1)			Prepared & Analyzed: 06-Sep-05						
Acetone	16.2	µg/l	20.0		81.0	0.671-198			
Acrylonitrile	13.4	µg/l	20.0		67.0	70-130			QC-2
Benzene	17.8	µg/l	20.0		89.0	70-130			
Bromobenzene	20.4	µg/l	20.0		102	70-130			
Bromochloromethane	18.2	µg/l	20.0		91.0	70-130			
Bromodichloromethane	18.7	µg/l	20.0		93.5	70-130			
Bromoform	17.8	µg/l	20.0		89.0	70-130			
Bromomethane	19.6	µg/l	20.0		98.0	64.5-146			
2-Butanone (MEK)	17.8	µg/l	20.0		89.0	14.3-172			
n-Butylbenzene	23.0	µg/l	20.0		115	70-130			
sec-Butylbenzene	21.6	µg/l	20.0		108	70-130			
tert-Butylbenzene	22.1	µg/l	20.0		110	70-130			
Carbon disulfide	14.7	µg/l	20.0		73.5	70-130			
Carbon tetrachloride	20.0	µg/l	20.0		100	70-130			
Chlorobenzene	20.4	µg/l	20.0		102	70-130			
hloroethane	20.6	µg/l	20.0		103	66.3-135			
Chloroform	18.4	µg/l	20.0		92.0	70-130			
Chloromethane	24.5	µg/l	20.0		122	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090274 - SW846 5030 Water MS										
LCS (5090274-BS1)				Prepared & Analyzed: 06-Sep-05						
2-Chlorotoluene	20.3		µg/l	20.0		102	70-130			
4-Chlorotoluene	20.5		µg/l	20.0		102	70-130			
1,2-Dibromo-3-chloropropane	19.1		µg/l	20.0		95.5	70-130			
Dibromochloromethane	18.7		µg/l	20.0		93.5	52.9-141			
1,2-Dibromoethane (EDB)	18.6		µg/l	20.0		93.0	70-130			
Dibromomethane	18.2		µg/l	20.0		91.0	70-130			
1,2-Dichlorobenzene	21.1		µg/l	20.0		106	70-130			
1,3-Dichlorobenzene	21.4		µg/l	20.0		107	70-130			
1,4-Dichlorobenzene	20.5		µg/l	20.0		102	70-130			
Dichlorodifluoromethane (Freon12)	21.8		µg/l	20.0		109	50.5-203			
1,1-Dichloroethane	18.2		µg/l	20.0		91.0	70-130			
1,2-Dichloroethane	18.6		µg/l	20.0		93.0	70-130			
1,1-Dichloroethene	17.6		µg/l	20.0		88.0	70-130			
cis-1,2-Dichloroethene	18.5		µg/l	20.0		92.5	70-130			
trans-1,2-Dichloroethene	17.2		µg/l	20.0		86.0	70-130			
1,2-Dichloropropane	18.1		µg/l	20.0		90.5	70-130			
1,3-Dichloropropane	17.1		µg/l	20.0		85.5	70-130			
2,2-Dichloropropane	23.0		µg/l	20.0		115	70-130			
1,1-Dichloropropene	19.1		µg/l	20.0		95.5	70-130			
cis-1,3-Dichloropropene	18.6		µg/l	20.0		93.0	70-130			
trans-1,3-Dichloropropene	19.3		µg/l	20.0		96.5	70-130			
Ethylbenzene	20.5		µg/l	20.0		102	70-130			
Hexachlorobutadiene	25.8		µg/l	20.0		129	68.9-138			
2-Hexanone (MBK)	15.9		µg/l	20.0		79.5	70-130			
Isopropylbenzene	20.5		µg/l	20.0		102	70-130			
4-Isopropyltoluene	23.2		µg/l	20.0		116	70-130			
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	13.9		µg/l	20.0		69.5	51.5-134			
Methylene chloride	17.7		µg/l	20.0		88.5	70-130			
Naphthalene	23.4		µg/l	20.0		117	70-130			
n-Propylbenzene	22.1		µg/l	20.0		110	70-130			
Styrene	20.8		µg/l	20.0		104	70-130			
1,1,1,2-Tetrachloroethane	20.3		µg/l	20.0		102	70-130			
1,1,2,2-Tetrachloroethane	18.7		µg/l	20.0		93.5	70-130			
Tetrachloroethene	19.8		µg/l	20.0		99.0	70-130			
Toluene	18.6		µg/l	20.0		93.0	70-130			
1,2,3-Trichlorobenzene	21.8		µg/l	20.0		109	70-130			
1,2,4-Trichlorobenzene	22.3		µg/l	20.0		112	70-130			
1,1,1-Trichloroethane	24.9		µg/l	20.0		124	70-130			
1,1,2-Trichloroethane	18.1		µg/l	20.0		90.5	70-130			
Trichloroethene	19.0		µg/l	20.0		95.0	70-130			
Trichlorofluoromethane (Freon 11)	21.0		µg/l	20.0		105	70-143			
1,2,3-Trichloropropane	18.6		µg/l	20.0		93.0	70-130			
1,2,4-Trimethylbenzene	21.5		µg/l	20.0		108	70-130			
1,3,5-Trimethylbenzene	21.4		µg/l	20.0		107	70-130			
Vinyl chloride	25.1		µg/l	20.0		126	70-130			
m,p-Xylene	40.5		µg/l	40.0		101	70-130			
o-Xylene	21.5		µg/l	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*48.3*		µg/l	*50.0*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		µg/l	*50.0*		*100*	*70-130*			
LCS Dup (5090274-BSD1)				Prepared & Analyzed: 06-Sep-05						
Acetone	14.3		µg/l	20.0		71.5	0.671-198	12.5	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090274 - SW846 5030 Water MS										
LCS Dup (5090274-BSD1)				Prepared & Analyzed: 06-Sep-05						
Acrylonitrile	13.4		µg/l	20.0		67.0	70-130	0.00	25	QC-2
Benzene	17.4		µg/l	20.0		87.0	70-130	2.27	25	
Bromobenzene	21.0		µg/l	20.0		105	70-130	2.90	25	
Bromochloromethane	17.8		µg/l	20.0		89.0	70-130	2.22	25	
Bromodichloromethane	19.4		µg/l	20.0		97.0	70-130	3.67	25	
Bromoform	18.3		µg/l	20.0		91.5	70-130	2.77	25	
Bromomethane	20.6		µg/l	20.0		103	64.5-146	4.98	50	
2-Butanone (MEK)	20.3		µg/l	20.0		102	14.3-172	13.6	50	
n-Butylbenzene	22.1		µg/l	20.0		110	70-130	4.44	25	
sec-Butylbenzene	21.9		µg/l	20.0		110	70-130	1.83	25	
tert-Butylbenzene	22.6		µg/l	20.0		113	70-130	2.69	25	
Carbon disulfide	14.4		µg/l	20.0		72.0	70-130	2.06	25	
Carbon tetrachloride	20.0		µg/l	20.0		100	70-130	0.00	25	
Chlorobenzene	20.9		µg/l	20.0		104	70-130	1.94	25	
Chloroethane	19.4		µg/l	20.0		97.0	66.3-135	6.00	50	
Chloroform	17.9		µg/l	20.0		89.5	70-130	2.75	25	
Chloromethane	24.2		µg/l	20.0		121	70-130	0.823	25	
2-Chlorotoluene	21.2		µg/l	20.0		106	70-130	3.85	25	
4-Chlorotoluene	21.0		µg/l	20.0		105	70-130	2.90	25	
1,2-Dibromo-3-chloropropane	18.7		µg/l	20.0		93.5	70-130	2.12	25	
Dibromochloromethane	18.6		µg/l	20.0		93.0	52.9-141	0.536	50	
1,2-Dibromoethane (EDB)	18.3		µg/l	20.0		91.5	70-130	1.63	25	
Dibromomethane	18.1		µg/l	20.0		90.5	70-130	0.551	25	
1,2-Dichlorobenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
1,3-Dichlorobenzene	21.8		µg/l	20.0		109	70-130	1.85	25	
1,4-Dichlorobenzene	20.1		µg/l	20.0		100	70-130	1.98	25	
Dichlorodifluoromethane (Freon12)	25.4		µg/l	20.0		127	50.5-203	15.3	50	
1,1-Dichloroethane	17.8		µg/l	20.0		89.0	70-130	2.22	25	
1,2-Dichloroethane	18.5		µg/l	20.0		92.5	70-130	0.539	25	
1,1-Dichloroethene	17.1		µg/l	20.0		85.5	70-130	2.88	25	
cis-1,2-Dichloroethene	18.1		µg/l	20.0		90.5	70-130	2.19	25	
trans-1,2-Dichloroethene	16.8		µg/l	20.0		84.0	70-130	2.35	25	
1,2-Dichloropropane	18.1		µg/l	20.0		90.5	70-130	0.00	25	
1,3-Dichloropropane	18.1		µg/l	20.0		90.5	70-130	5.68	25	
2,2-Dichloropropane	22.6		µg/l	20.0		113	70-130	1.75	25	
1,1-Dichloropropene	18.7		µg/l	20.0		93.5	70-130	2.12	25	
cis-1,3-Dichloropropene	18.8		µg/l	20.0		94.0	70-130	1.07	25	
trans-1,3-Dichloropropene	19.0		µg/l	20.0		95.0	70-130	1.57	25	
Ethylbenzene	21.1		µg/l	20.0		106	70-130	3.85	25	
Hexachlorobutadiene	24.3		µg/l	20.0		122	68.9-138	5.58	50	
2-Hexanone (MBK)	14.7		µg/l	20.0		73.5	70-130	7.84	25	
Isopropylbenzene	21.0		µg/l	20.0		105	70-130	2.90	25	
4-Isopropyltoluene	22.4		µg/l	20.0		112	70-130	3.51	25	
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	15.0		µg/l	20.0		75.0	51.5-134	7.61	50	
Methylene chloride	17.8		µg/l	20.0		89.0	70-130	0.563	25	
Naphthalene	20.7		µg/l	20.0		104	70-130	11.8	25	
n-Propylbenzene	22.2		µg/l	20.0		111	70-130	0.905	25	
Styrene	21.4		µg/l	20.0		107	70-130	2.84	25	
1,1,1,2-Tetrachloroethane	21.2		µg/l	20.0		106	70-130	3.85	25	
1,1,2,2-Tetrachloroethane	19.3		µg/l	20.0		96.5	70-130	3.16	25	
Tetrachloroethene	19.8		µg/l	20.0		99.0	70-130	0.00	25	
Toluene	18.3		µg/l	20.0		91.5	70-130	1.63	25	
1,2,3-Trichlorobenzene	20.9		µg/l	20.0		104	70-130	4.69	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090274 - SW846 5030 Water MS										
LCS Dup (5090274-BSD1)				Prepared & Analyzed: 06-Sep-05						
1,2,4-Trichlorobenzene	21.5		µg/l	20.0		108	70-130	3.64	25	
1,1,1-Trichloroethane	19.5		µg/l	20.0		97.5	70-130	23.9	25	
1,1,2-Trichloroethane	18.2		µg/l	20.0		91.0	70-130	0.551	25	
Trichloroethene	18.6		µg/l	20.0		93.0	70-130	2.13	25	
Trichlorofluoromethane (Freon 11)	21.0		µg/l	20.0		105	70-143	0.00	50	
1,2,3-Trichloropropane	19.6		µg/l	20.0		98.0	70-130	5.24	25	
1,2,4-Trimethylbenzene	21.8		µg/l	20.0		109	70-130	0.922	25	
1,3,5-Trimethylbenzene	21.8		µg/l	20.0		109	70-130	1.85	25	
Vinyl chloride	22.9		µg/l	20.0		114	70-130	10.0	25	
m,p-Xylene	41.6		µg/l	40.0		104	70-130	2.93	25	
o-Xylene	22.0		µg/l	20.0		110	70-130	1.83	25	
Surrogate: 4-Bromofluorobenzene	*53.9*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*48.0*		µg/l	*50.0*		*96.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		µg/l	*50.0*		*101*	*70-130*			
Matrix Spike (5090274-MS1)		**Source: SA33260-14**		Prepared & Analyzed: 06-Sep-05						
Benzene	18.2		µg/l	20.0	BRL	91.0	70-130			
Chlorobenzene	21.8		µg/l	20.0	3.60	91.0	70-130			
1,1-Dichloroethene	35.3		µg/l	20.0	106	NR	70-130			QM-02
Toluene	19.6		µg/l	20.0	3.75	79.2	70-130			
Trichloroethene	27.2		µg/l	20.0	53.5	NR	70-130			QM-02
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*48.9*		µg/l	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5090274-MSD1)		**Source: SA33260-14**		Prepared & Analyzed: 06-Sep-05						
Benzene	17.8		µg/l	20.0	BRL	89.0	70-130	2.22	30	
Chlorobenzene	21.8		µg/l	20.0	3.60	91.0	70-130	0.00	30	
1,1-Dichloroethene	35.0		µg/l	20.0	106	NR	70-130	0.282	30	QM-02
Toluene	19.5		µg/l	20.0	3.75	78.8	70-130	0.506	30	
Trichloroethene	27.2		µg/l	20.0	53.5	NR	70-130	0.00	30	QM-02
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*47.9*		µg/l	*50.0*		*95.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		µg/l	*50.0*		*101*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090260 - SW846 3550B										
Blank (5090260-BLK1)				Prepared: 06-Sep-05 Analyzed: 07-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*3.17*		mg/kg wet	*3.33*		*95.2*	*40-140*			
LCS (5090260-BS1)				Prepared: 06-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	77.2	13.3	mg/kg wet	93.3		82.7	40-140			
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg wet	*3.33*		*106*	*40-140*			
Duplicate (5090260-DUP1)		**Source: SA33520-02**		Prepared: 06-Sep-05 Analyzed: 07-Sep-05						
Gasoline	BRL	34.1	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	34.1	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	34.1	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	34.1	mg/kg dry		BRL				50	
Motor Oil	BRL	34.1	mg/kg dry		BRL				50	
Aviation Fuel	BRL	34.1	mg/kg dry		BRL				50	
Unidentified	BRL	34.1	mg/kg dry		BRL				50	
Other Oil	BRL	34.1	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	BRL	34.1	mg/kg dry		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	34.1	mg/kg dry		BRL				50	
Surrogate: 1-Chlorooctadecane	*4.38*		mg/kg dry	*4.27*		*103*	*40-140*			
Matrix Spike (5090260-MS1)		**Source: SA33520-02**		Prepared: 06-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	111	17.4	mg/kg dry	122	BRL	91.0	40-140			
Surrogate: 1-Chlorooctadecane	*4.99*		mg/kg dry	*4.37*		*114*	*40-140*			
Matrix Spike Dup (5090260-MSD1)		**Source: SA33520-02**		Prepared: 06-Sep-05 Analyzed: 07-Sep-05						
C9-C36 Aliphatic Hydrocarbons	117	16.8	mg/kg dry	118	BRL	99.2	40-140	8.62	30	
Surrogate: 1-Chlorooctadecane	*4.72*		mg/kg dry	*4.21*		*112*	*40-140*			
Batch 5090337 - SW846 3550B										
Blank (5090337-BLK1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.54*		mg/kg wet	*3.33*		*76.3*	*40-140*			
LCS (5090337-BS1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
C9-C36 Aliphatic Hydrocarbons	72.3	13.3	mg/kg wet	93.3		77.5	40-140			
Surrogate: 1-Chlorooctadecane	*2.44*		mg/kg wet	*3.33*		*73.3*	*40-140*			
Duplicate (5090337-DUP1)		**Source: SA33520-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Gasoline	BRL	27.6	mg/kg dry		BRL				50	

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090337 - SW846 3550B										
Duplicate (5090337-DUP1)		**Source: SA33520-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Fuel Oil #2	BRL	27.6	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	27.6	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	27.6	mg/kg dry		BRL				50	
Motor Oil	Calculated as	27.6	mg/kg dry		BRL				50	
Aviation Fuel	BRL	27.6	mg/kg dry		BRL				50	
Unidentified	291	27.6	mg/kg dry		181			46.6	50	
Other Oil	BRL	27.6	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	291	27.6	mg/kg dry		181			46.6	50	
C9-C36 Aliphatic Hydrocarbons	291	27.6	mg/kg dry		181			46.6	50	
Surrogate: 1-Chlorooctadecane	*9.92*		mg/kg dry	*3.46*		*287*	*40-140*			*S-02*
Matrix Spike (5090337-MS1)		**Source: SA33520-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
C9-C36 Aliphatic Hydrocarbons	245	14.1	mg/kg dry	98.8	181	64.8	40-140			
Surrogate: 1-Chlorooctadecane	*3.64*		mg/kg dry	*3.53*		*103*	*40-140*			
Matrix Spike Dup (5090337-MSD1)		**Source: SA33520-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
C9-C36 Aliphatic Hydrocarbons	210	14.2	mg/kg dry	99.5	181	29.1	40-140	76.0	30	QM-02
Surrogate: 1-Chlorooctadecane	*3.73*		mg/kg dry	*3.56*		*105*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090246 - SW846 3550B										
Blank (5090246-BLK1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.1*		µg/kg wet	*28.6*		*94.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet	*28.6*		*105*	*30-150*			
LCS (5090246-BS1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
PCB 1016	403	28.6	µg/kg wet	357		113	40-140			
PCB 1260	426	28.6	µg/kg wet	357		119	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*30.0*		µg/kg wet	*28.6*		*105*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*35.7*		µg/kg wet	*28.6*		*125*	*30-150*			
Duplicate (5090246-DUP1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
PCB 1016	BRL	29.7	µg/kg dry		BRL				40	
PCB 1221	BRL	29.7	µg/kg dry		BRL				40	
PCB 1232	BRL	29.7	µg/kg dry		BRL				40	
PCB 1242	BRL	29.7	µg/kg dry		BRL				40	
PCB 1248	BRL	29.7	µg/kg dry		BRL				40	
PCB 1254	BRL	29.7	µg/kg dry		BRL				40	
PCB 1260	BRL	29.7	µg/kg dry		BRL				40	
PCB 1262	BRL	29.7	µg/kg dry		BRL				40	
PCB 1268	BRL	29.7	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*29.7*		µg/kg dry	*29.7*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*31.2*		µg/kg dry	*29.7*		*105*	*30-150*			
Matrix Spike (5090246-MS1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
PCB 1016	398	29.0	µg/kg dry	362	BRL	110	40-140			
PCB 1260	385	29.0	µg/kg dry	362	BRL	106	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.5*		µg/kg dry	*28.9*		*95.2*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*27.5*		µg/kg dry	*28.9*		*95.2*	*30-150*			
Matrix Spike Dup (5090246-MSD1)		**Source: SA33457-02**		Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
PCB 1016	397	29.0	µg/kg dry	362	BRL	110	40-140	0.00	50	
PCB 1260	456	29.0	µg/kg dry	362	BRL	126	40-140	17.2	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.5*		µg/kg dry	*29.0*		*94.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*39.1*		µg/kg dry	*29.0*		*135*	*30-150*			
Batch 5090263 - SW846 3550B										
Blank (5090263-BLK1)				Prepared & Analyzed: 06-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.1*		µg/kg wet	*28.6*		*94.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet	*28.6*		*80.1*	*30-150*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090263 - SW846 3550B										
LCS (5090263-BS1)				Prepared & Analyzed: 06-Sep-05						
PCB 1016	377	28.6	µg/kg wet	357		106	40-140			
PCB 1260	333	28.6	µg/kg wet	357		93.3	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.1*		µg/kg wet	*28.6*		*94.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
Duplicate (5090263-DUP1)		**Source: SA33542-01**		Prepared & Analyzed: 06-Sep-05						
PCB 1016	BRL	48.1	µg/kg dry		BRL				40	
PCB 1221	BRL	48.1	µg/kg dry		BRL				40	
PCB 1232	BRL	48.1	µg/kg dry		BRL				40	
PCB 1242	BRL	48.1	µg/kg dry		BRL				40	
PCB 1248	BRL	48.1	µg/kg dry		BRL				40	
PCB 1254	BRL	48.1	µg/kg dry		BRL				40	
PCB 1260	BRL	48.1	µg/kg dry		BRL				40	
PCB 1262	BRL	48.1	µg/kg dry		BRL				40	
PCB 1268	BRL	48.1	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*48.0*		µg/kg dry	*48.0*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*38.4*		µg/kg dry	*48.0*		*80.0*	*30-150*			
Matrix Spike (5090263-MS1)		**Source: SA33542-01**		Prepared & Analyzed: 06-Sep-05						
PCB 1016	605	46.4	µg/kg dry	579	BRL	104	40-140			
PCB 1260	581	46.4	µg/kg dry	579	BRL	100	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.0*		µg/kg dry	*46.3*		*95.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*44.0*		µg/kg dry	*46.3*		*95.0*	*30-150*			
Matrix Spike Dup (5090263-MSD1)		**Source: SA33542-01**		Prepared & Analyzed: 06-Sep-05						
PCB 1016	571	47.5	µg/kg dry	593	BRL	96.3	40-140	7.69	50	
PCB 1260	526	47.5	µg/kg dry	593	BRL	88.7	40-140	12.0	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*42.7*		µg/kg dry	*47.4*		*90.1*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*37.9*		µg/kg dry	*47.4*		*80.0*	*30-150*			
Batch 5090829 - SW846 3535										
Blank (5090829-BLK1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	BRL	2.00	µg/l							
PCB 1221	BRL	2.00	µg/l							
PCB 1232	BRL	2.00	µg/l							
PCB 1242	BRL	2.00	µg/l							
PCB 1248	BRL	2.00	µg/l							
PCB 1254	BRL	2.00	µg/l							
PCB 1260	BRL	2.00	µg/l							
PCB 1262	BRL	2.00	µg/l							
PCB 1268	BRL	2.00	µg/l							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.800*		µg/l	*0.800*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.560*		µg/l	*0.800*		*70.0*	*30-150*			
LCS (5090829-BS1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	11.9	2.00	µg/l	10.0		119	40-140			
PCB 1260	11.0	2.00	µg/l	10.0		110	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.800*		µg/l	*0.800*		*100*	*40-140*			
Surrogate: Decachlorobiphenyl (Sr)	*1.00*		µg/l	*0.800*		*125*	*40-140*			
Duplicate (5090829-DUP1)		**Source: SA33520-03**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	BRL	0.200	µg/l		BRL				30	
PCB 1221	BRL	0.200	µg/l		BRL				30	
PCB 1232	BRL	0.200	µg/l		BRL				30	
PCB 1242	BRL	0.200	µg/l		BRL				30	
PCB 1248	BRL	0.200	µg/l		BRL				30	
PCB 1254	BRL	0.200	µg/l		BRL				30	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090829 - SW846 3535										
Duplicate (5090829-DUP1)		**Source: SA33520-03**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1260	BRL	0.200	µg/l		BRL				30	
PCB 1262	BRL	0.200	µg/l		BRL				30	
PCB 1268	BRL	0.200	µg/l		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0560*		µg/l	*0.0800*		*70.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.0600*		µg/l	*0.0800*		*75.0*	*30-150*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
Blank (5090244-BLK1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3'-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
Blank (5090244-BLK1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*4370*		µg/kg wet	*6670*		*65.5*	*30-130*			
Surrogate: 2-Fluorophenol	*3550*		µg/kg wet	*6670*		*53.2*	*15-110*			
Surrogate: Nitrobenzene-d5	*4730*		µg/kg wet	*6670*		*70.9*	*30-130*			
Surrogate: Phenol-d5	*3180*		µg/kg wet	*6670*		*47.7*	*15-110*			
Surrogate: Terphenyl-dl4	*4690*		µg/kg wet	*6670*		*70.3*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3190*		µg/kg wet	*6670*		*47.8*	*15-110*			
LCS (5090244-BS1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
Acenaphthene	4390	330	µg/kg wet	6670		65.8	40-130			
Acenaphthylene	4350	330	µg/kg wet	6670		65.2	40-130			
Aniline	4440	330	µg/kg wet	6670		66.6	40-130			
Anthracene	4500	330	µg/kg wet	6670		67.5	40-130			
Atrazine	5790	330	µg/kg wet	6670		86.8	40-130			
Azobenzene/Diphenyldiazine	4890	330	µg/kg wet	6670		73.3	40-130			
Benzidine	2890	330	µg/kg wet	6670		43.3	40-130			
Benzo (a) anthracene	4450	330	µg/kg wet	6670		66.7	40-130			
Benzo (a) pyrene	4480	330	µg/kg wet	6670		67.2	40-130			
Benzo (b) fluoranthene	3970	330	µg/kg wet	6670		59.5	40-130			
Benzo (g,h,i) perylene	4250	330	µg/kg wet	6670		63.7	40-130			
Benzo (k) fluoranthene	5060	330	µg/kg wet	6670		75.9	40-130			
Benzoic acid	1700	330	µg/kg wet	6670		25.5	40-130			QC-2
Benzyl alcohol	4400	330	µg/kg wet	6670		66.0	40-130			
Bis(2-chloroethoxy)methane	3650	330	µg/kg wet	6670		54.7	40-130			
Bis(2-chloroethyl)ether	4240	330	µg/kg wet	6670		63.6	40-130			
Bis(2-chloroisopropyl)ether	5780	330	µg/kg wet	6670		86.7	40-130			
Bis(2-ethylhexyl)phthalate	4440	330	µg/kg wet	6670		66.6	40-130			
4-Bromophenyl phenyl ether	4590	330	µg/kg wet	6670		68.8	40-130			
Butyl benzyl phthalate	4350	330	µg/kg wet	6670		65.2	40-130			
Carbazole	4200	330	µg/kg wet	6670		63.0	40-130			
4-Chloro-3-methylphenol	3980	330	µg/kg wet	6670		59.7	40-130			
4-Chloroaniline	3000	330	µg/kg wet	6670		45.0	40-130			
2-Chloronaphthalene	4380	330	µg/kg wet	6670		65.7	40-130			
2-Chlorophenol	4550	330	µg/kg wet	6670		68.2	40-130			
-Chlorophenyl phenyl ether	4580	330	µg/kg wet	6670		68.7	40-130			
Chrysene	4310	330	µg/kg wet	6670		64.6	40-130			
Dibenzo (a,h) anthracene	4060	330	µg/kg wet	6670		60.9	40-130			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
LCS (5090244-BS1)				Prepared: 05-Sep-05 Analyzed: 06-Sep-05						
Dibenzofuran	4300	330	µg/kg wet	6670		64.5	40-130			
1,2-Dichlorobenzene	4760	330	µg/kg wet	6670		71.4	40-130			
1,3-Dichlorobenzene	4690	330	µg/kg wet	6670		70.3	40-130			
1,4-Dichlorobenzene	4730	330	µg/kg wet	6670		70.9	40-130			
3,3'-Dichlorobenzidine	4110	330	µg/kg wet	6670		61.6	40-130			
2,4-Dichlorophenol	3750	330	µg/kg wet	6670		56.2	40-130			
Diethyl phthalate	4450	330	µg/kg wet	6670		66.7	40-130			
Dimethyl phthalate	4480	330	µg/kg wet	6670		67.2	40-130			
2,4-Dimethylphenol	3180	330	µg/kg wet	6670		47.7	40-130			
Di-n-butyl phthalate	4440	330	µg/kg wet	6670		66.6	40-130			
4,6-Dinitro-2-methylphenol	2840	330	µg/kg wet	6670		42.6	40-130			
2,4-Dinitrophenol	1290	330	µg/kg wet	6670		19.3	40-130			QC-2
2,4-Dinitrotoluene	4220	330	µg/kg wet	6670		63.3	40-130			
2,6-Dinitrotoluene	4810	330	µg/kg wet	6670		72.1	40-130			
Di-n-octyl phthalate	4670	330	µg/kg wet	6670		70.0	40-130			
Fluoranthene	4260	330	µg/kg wet	6670		63.9	40-130			
Fluorene	4560	330	µg/kg wet	6670		68.4	40-130			
Hexachlorobenzene	4320	330	µg/kg wet	6670		64.8	40-130			
Hexachlorobutadiene	4560	330	µg/kg wet	6670		68.4	40-130			
Hexachlorocyclopentadiene	4870	330	µg/kg wet	6670		73.0	40-130			
Hexachloroethane	5330	330	µg/kg wet	6670		79.9	40-130			
Indeno (1,2,3-cd) pyrene	4290	330	µg/kg wet	6670		64.3	40-130			
1-Methylnaphthalene	4170	330	µg/kg wet	6670		62.5	40-140			
Isophorone	3910	330	µg/kg wet	6670		58.6	40-130			
2-Methylnaphthalene	3810	330	µg/kg wet	6670		57.1	40-130			
2-Methylphenol	4540	330	µg/kg wet	6670		68.1	40-130			
3,4-Methylphenol	6800	330	µg/kg wet	6670		102	40-130			
Naphthalene	3850	330	µg/kg wet	6670		57.7	40-130			
2-Nitroaniline	4150	330	µg/kg wet	6670		62.2	40-130			
3-Nitroaniline	3550	330	µg/kg wet	6670		53.2	40-130			
4-Nitroaniline	4130	1320	µg/kg wet	6670		61.9	40-130			
Nitrobenzene	4140	330	µg/kg wet	6670		62.1	40-130			
2-Nitrophenol	3650	330	µg/kg wet	6670		54.7	40-130			
4-Nitrophenol	3150	1320	µg/kg wet	6670		47.2	40-130			
N-Nitrosodimethylamine	4150	330	µg/kg wet	6670		62.2	40-130			
N-Nitrosodi-n-propylamine	5600	330	µg/kg wet	6670		84.0	40-130			
N-Nitrosodiphenylamine	5010	330	µg/kg wet	6670		75.1	40-130			
Pentachlorophenol	4170	1320	µg/kg wet	6670		62.5	40-130			
Phenanthrene	4500	330	µg/kg wet	6670		67.5	40-130			
Phenol	3960	330	µg/kg wet	6670		59.4	40-130			
Pyrene	4130	330	µg/kg wet	6670		61.9	40-130			
Pyridine	5920	330	µg/kg wet	6670		88.8	40-130			
1,2,4-Trichlorobenzene	3880	330	µg/kg wet	6670		58.2	40-130			
2,4,5-Trichlorophenol	4540	330	µg/kg wet	6670		68.1	40-130			
2,4,6-Trichlorophenol	4360	330	µg/kg wet	6670		65.4	40-130			
Surrogate: 2-Fluorobiphenyl	*3860*		µg/kg wet	*6670*		*57.9*	*30-130*			
Surrogate: 2-Fluorophenol	*2950*		µg/kg wet	*6670*		*44.2*	*15-110*			
Surrogate: Nitrobenzene-d5	*3640*		µg/kg wet	*6670*		*54.6*	*30-130*			
Surrogate: Phenol-d5	*3670*		µg/kg wet	*6670*		*55.0*	*15-110*			
Surrogate: Terphenyl-dl4	*3550*		µg/kg wet	*6670*		*53.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3230*		µg/kg wet	*6670*		*48.4*	*15-110*			
Duplicate (5090244-DUP1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	BRL	1380	µg/kg dry		260				50	
Acenaphthylene	BRL	1380	µg/kg dry		609			133	50	QM-04

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
Duplicate (5090244-DUP1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Aniline	BRL	1380	µg/kg dry		BRL				50	
Anthracene	BRL	1380	µg/kg dry		1580			161	50	QM-04
Atrazine	BRL	1380	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	1380	µg/kg dry		BRL				50	
Benzidine	BRL	1380	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	1380	µg/kg dry		1830			146	50	QM-04
Benzo (a) pyrene	BRL	1380	µg/kg dry		1930			132	50	QM-04
Benzo (b) fluoranthene	BRL	1380	µg/kg dry		1520			141	50	QM-04
Benzo (g,h,i) perylene	BRL	1380	µg/kg dry		648			137	50	QM-04
Benzo (k) fluoranthene	BRL	1380	µg/kg dry		1750			129	50	QM-04
Benzoic acid	BRL	1380	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	1380	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	1380	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	1380	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	1380	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	1380	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	1380	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	1380	µg/kg dry		BRL				50	
Carbazole	BRL	1380	µg/kg dry		333				50	
4-Chloro-3-methylphenol	BRL	1380	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	1380	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	1380	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	1380	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	1380	µg/kg dry		BRL				50	
Chrysene	BRL	1380	µg/kg dry		2110			134	50	QM-04
Dibenzo (a,h) anthracene	BRL	1380	µg/kg dry		174				50	
Dibenzofuran	BRL	1380	µg/kg dry		247				50	
1,2-Dichlorobenzene	BRL	1380	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	1380	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	1380	µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	1380	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	1380	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	1380	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	1380	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	1380	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	1380	µg/kg dry		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	1380	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	1380	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	1380	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	1380	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	1380	µg/kg dry		BRL				50	
Fluoranthene	BRL	1380	µg/kg dry		3810			143	50	QM-04
Fluorene	BRL	1380	µg/kg dry		905			132	50	QM-04
Hexachlorobenzene	BRL	1380	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	1380	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	1380	µg/kg dry		BRL				50	
Hexachloroethane	BRL	1380	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	1380	µg/kg dry		609			137	50	QM-04
Isophorone	BRL	1380	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	1380	µg/kg dry		700			123	50	QM-04
2-Methylnaphthalene	BRL	1380	µg/kg dry		359			100	50	QM-04
2-Methylphenol	BRL	1380	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	1380	µg/kg dry		BRL				50	
Naphthalene	BRL	1380	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
Duplicate (5090244-DUP1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
2-Nitroaniline	BRL	1380	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	1380	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	5500	µg/kg dry		BRL				50	
Nitrobenzene	BRL	1380	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	1380	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	5500	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	1380	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	1380	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	1380	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	5500	µg/kg dry		BRL				50	
Phenanthrene	BRL	1380	µg/kg dry		4880			164	50	QM-04
Phenol	BRL	1380	µg/kg dry		BRL				50	
Pyrene	BRL	1380	µg/kg dry		5150			154	50	QM-04
Pyridine	BRL	1380	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	1380	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	1380	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	1380	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*811*		µg/kg dry	*2780*		*29.2*	*30-130*			*S-06*
Surrogate: 2-Fluorophenol	*786*		µg/kg dry	*2780*		*28.3*	*15-110*			
Surrogate: Nitrobenzene-d5	*789*		µg/kg dry	*2780*		*28.4*	*30-130*			*S-06*
Surrogate: Phenol-d5	*850*		µg/kg dry	*2780*		*30.6*	*15-110*			
Surrogate: Terphenyl-dl4	*692*		µg/kg dry	*2780*		*24.9*	*30-130*			*S-06*
Surrogate: 2,4,6-Tribromophenol	*528*		µg/kg dry	*2780*		*19.0*	*15-110*			
Matrix Spike (5090244-MS1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	5090	1390	µg/kg dry	5620	260	85.9	40-140			
4-Chloro-3-methylphenol	8880	1390	µg/kg dry	11200	BRL	79.3	30-130			
2-Chlorophenol	7890	1390	µg/kg dry	11200	BRL	70.4	30-130			
1,4-Dichlorobenzene	4990	1390	µg/kg dry	5620	BRL	88.8	40-140			
2,4-Dinitrotoluene	3410	1390	µg/kg dry	5620	BRL	60.7	40-140			
4-Nitrophenol	5140	5570	µg/kg dry	11200	BRL	45.9	30-130			
N-Nitrosodi-n-propylamine	3980	1390	µg/kg dry	5620	BRL	70.8	40-140			
Pentachlorophenol	7680	5570	µg/kg dry	11200	BRL	68.6	30-130			
Phenol	7970	1390	µg/kg dry	11200	BRL	71.2	30-130			
Pyrene	7530	1390	µg/kg dry	5620	5150	42.3	40-140			
1,2,4-Trichlorobenzene	4290	1390	µg/kg dry	5620	BRL	76.3	40-140			
Surrogate: 2-Fluorobiphenyl	*3080*		µg/kg dry	*5620*		*54.8*	*30-130*			
Surrogate: 2-Fluorophenol	*2320*		µg/kg dry	*5620*		*41.3*	*15-110*			
Surrogate: Nitrobenzene-d5	*2660*		µg/kg dry	*5620*		*47.3*	*30-130*			
Surrogate: Phenol-d5	*2210*		µg/kg dry	*5620*		*39.3*	*15-110*			
Surrogate: Terphenyl-dl4	*3030*		µg/kg dry	*5620*		*53.9*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2260*		µg/kg dry	*5620*		*40.2*	*15-110*			
Matrix Spike Dup (5090244-MSD1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Acenaphthene	4240	1390	µg/kg dry	5600	260	71.1	40-140	18.9	30	
4-Chloro-3-methylphenol	5300	1390	µg/kg dry	11200	BRL	47.3	30-130	50.6	30	QM-04
2-Chlorophenol	5770	1390	µg/kg dry	11200	BRL	51.5	30-130	31.0	30	QM-04
1,4-Dichlorobenzene	3620	1390	µg/kg dry	5600	BRL	64.6	40-140	31.6	30	QM-04
2,4-Dinitrotoluene	2680	1390	µg/kg dry	5600	BRL	47.9	40-140	23.6	30	
4-Nitrophenol	4710	5550	µg/kg dry	11200	BRL	42.1	30-130	8.64	30	
N-Nitrosodi-n-propylamine	4400	1390	µg/kg dry	5600	BRL	78.6	40-140	10.4	30	
Pentachlorophenol	5510	5550	µg/kg dry	11200	BRL	49.2	30-130	32.9	30	QM-04
Phenol	5240	1390	µg/kg dry	11200	BRL	46.8	30-130	41.4	30	QM-04
Pyrene	7730	1390	µg/kg dry	5600	5150	46.1	40-140	8.60	30	
1,2,4-Trichlorobenzene	2710	1390	µg/kg dry	5600	BRL	48.4	40-140	44.7	30	QM-04

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090244 - SW846 3545A										
Matrix Spike Dup (5090244-MSD1)		**Source: SA33407-01**		Prepared: 05-Sep-05 Analyzed: 07-Sep-05						
Surrogate: 2-Fluorobiphenyl	*2170*		µg/kg dry	*5600*		*38.8*	*30-130*			
Surrogate: 2-Fluorophenol	*2070*		µg/kg dry	*5600*		*37.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*2720*		µg/kg dry	*5600*		*48.6*	*30-130*			
Surrogate: Phenol-d5	*2220*		µg/kg dry	*5600*		*39.6*	*15-110*			
Surrogate: Terphenyl-dl4	*2260*		µg/kg dry	*5600*		*40.4*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1650*		µg/kg dry	*5600*		*29.5*	*15-110*			
Batch 5090338 - SW846 3545A										
Blank (5090338-BLK1)				Prepared & Analyzed: 07-Sep-05						
Acenaphthene	BRL	66.0	µg/kg wet							
Acenaphthylene	BRL	66.0	µg/kg wet							
Anthracene	BRL	66.0	µg/kg wet							
Benzo (a) anthracene	BRL	66.0	µg/kg wet							
Benzo (a) pyrene	BRL	66.0	µg/kg wet							
Benzo (b) fluoranthene	BRL	66.0	µg/kg wet							
Benzo (g,h,i) perylene	BRL	66.0	µg/kg wet							
Benzo (k) fluoranthene	BRL	66.0	µg/kg wet							
Chrysene	BRL	66.0	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	66.0	µg/kg wet							
Fluoranthene	BRL	66.0	µg/kg wet							
Fluorene	BRL	66.0	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	66.0	µg/kg wet							
1-Methylnaphthalene	BRL	66.0	µg/kg wet							
2-Methylnaphthalene	BRL	66.0	µg/kg wet							
Naphthalene	BRL	66.0	µg/kg wet							
Phenanthrene	BRL	66.0	µg/kg wet							
Pyrene	BRL	66.0	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*3920*		µg/kg wet	*6670*		*58.8*	*30-130*			
Surrogate: Terphenyl-dl4	*4210*		µg/kg wet	*6670*		*63.1*	*30-130*			
LCS (5090338-BS1)				Prepared & Analyzed: 07-Sep-05						
Acenaphthene	4060	66.0	µg/kg wet	6670		60.9	40-140			
Acenaphthylene	4060	66.0	µg/kg wet	6670		60.9	40-140			
Anthracene	4200	66.0	µg/kg wet	6670		63.0	40-140			
Benzo (a) anthracene	3980	66.0	µg/kg wet	6670		59.7	40-140			
Benzo (a) pyrene	4160	66.0	µg/kg wet	6670		62.4	40-140			
Benzo (b) fluoranthene	3420	66.0	µg/kg wet	6670		51.3	40-140			
Benzo (g,h,i) perylene	3960	66.0	µg/kg wet	6670		59.4	40-140			
Benzo (k) fluoranthene	5190	66.0	µg/kg wet	6670		77.8	40-140			
Chrysene	4020	66.0	µg/kg wet	6670		60.3	40-140			
Dibenzo (a,h) anthracene	3700	66.0	µg/kg wet	6670		55.5	40-140			
Fluoranthene	4080	66.0	µg/kg wet	6670		61.2	40-140			
Fluorene	4470	66.0	µg/kg wet	6670		67.0	40-140			
Indeno (1,2,3-cd) pyrene	3940	66.0	µg/kg wet	6670		59.1	40-140			
1-Methylnaphthalene	3770	66.0	µg/kg wet	6670		56.5	40-140			
2-Methylnaphthalene	3880	66.0	µg/kg wet	6670		58.2	40-140			
Naphthalene	3640	66.0	µg/kg wet	6670		54.6	40-140			
Phenanthrene	4240	66.0	µg/kg wet	6670		63.6	40-140			
Pyrene	3750	66.0	µg/kg wet	6670		56.2	40-140			
Surrogate: 2-Fluorobiphenyl	*4070*		µg/kg wet	*6670*		*61.0*	*30-130*			
Surrogate: Terphenyl-dl4	*3750*		µg/kg wet	*6670*		*56.2*	*30-130*			
Duplicate (5090338-DUP1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	BRL	157	µg/kg dry		BRL				50	
Acenaphthylene	BRL	157	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Duplicate (5090338-DUP1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Anthracene	BRL	157	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	157	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	157	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	157	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	157	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	157	µg/kg dry		BRL				50	
Chrysene	BRL	157	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	157	µg/kg dry		BRL				50	
Fluoranthene	BRL	157	µg/kg dry		BRL				50	
Fluorene	BRL	157	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	157	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	157	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	157	µg/kg dry		BRL				50	
Naphthalene	BRL	157	µg/kg dry		BRL				50	
Phenanthrene	BRL	157	µg/kg dry		BRL				50	
Pyrene	BRL	157	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*5520*		µg/kg dry	*7920*		*69.7*	*30-130*			
Surrogate: Terphenyl-dl4	*8570*		µg/kg dry	*7920*		*108*	*30-130*			
Matrix Spike (5090338-MS1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	5180	78.6	µg/kg dry	7940	BRL	65.2	40-140			
Pyrene	4960	78.6	µg/kg dry	7940	BRL	62.5	40-140			
Surrogate: 2-Fluorobiphenyl	*5340*		µg/kg dry	*7940*		*67.3*	*30-130*			
Surrogate: Terphenyl-dl4	*5200*		µg/kg dry	*7940*		*65.5*	*30-130*			
Matrix Spike Dup (5090338-MSD1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	5690	80.7	µg/kg dry	8150	BRL	69.8	40-140	6.81	30	
Pyrene	5500	80.7	µg/kg dry	8150	BRL	67.5	40-140	7.69	30	
Surrogate: 2-Fluorobiphenyl	*5560*		µg/kg dry	*8150*		*68.2*	*30-130*			
Surrogate: Terphenyl-dl4	*5540*		µg/kg dry	*8150*		*68.0*	*30-130*			
Batch 5090727 - SW846 1312										
Blank (5090727-BLK1)				Prepared & Analyzed: 12-Sep-05						
SPLP Extraction	Completed	N/A								

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090310 - EPA200/SW7000 Series										
Blank (5090310-BLK1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5090310-BS1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	0.951	0.179	mg/kg wet	0.893		106	80-120			
Duplicate (5090310-DUP1)		**Source: SA33314-05**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	BRL	0.187	mg/kg dry		BRL				35	
Matrix Spike (5090310-MS1)		**Source: SA33407-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	0.484	0.187	mg/kg dry	0.436	BRL	111	75-125			
Matrix Spike Dup (5090310-MSD1)		**Source: SA33407-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	0.491	0.190	mg/kg dry	0.442	BRL	111	75-125	1.44	35	
Reference (5090310-SRM1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Mercury	1.25	0.179	mg/kg wet	1.27		98.4	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090481 - EPA 200 Series									
Blank (5090481-BLK1)			Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Nickel	BRL	1.00 mg/kg wet							
Thallium	BRL	3.00 mg/kg wet							
Antimony	BRL	45.0 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Vanadium	BRL	1.00 mg/kg wet							
Zinc	3.30	1.00 mg/kg wet							QB-01
Silver	BRL	2.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Cadmium	BRL	0.600 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Beryllium	BRL	0.400 mg/kg wet							
Lead	BRL	1.75 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
LCS (5090481-BS1)			Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Nickel	92.9	1.00 mg/kg wet	100		92.9	85-115			
Silver	51.7	2.00 mg/kg wet	50.0		103	85-115			
Thallium	88.2	3.00 mg/kg wet	100		88.2	85-115			
Vanadium	99.6	1.00 mg/kg wet	100		99.6	85-115			
Zinc	92.5	1.00 mg/kg wet	100		92.5	85-115			
Antimony	96.5	3.00 mg/kg wet	100		96.5	85-115			
Selenium	87.3	3.00 mg/kg wet	100		87.3	85-115			
Copper	88.8	1.00 mg/kg wet	100		88.8	85-115			
Chromium	88.6	1.00 mg/kg wet	100		88.6	85-115			
Lead	96.7	1.50 mg/kg wet	100		96.7	85-115			
Cadmium	86.0	0.500 mg/kg wet	100		86.0	85-115			
Arsenic	87.0	3.00 mg/kg wet	100		87.0	85-115			
Beryllium	85.8	0.400 mg/kg wet	100		85.8	85-115			
Barium	89.4	1.00 mg/kg wet	100		89.4	85-115			
Matrix Spike (5090481-MS1)		**Source: SA33520-01**	Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Nickel	90.7	0.529 mg/kg dry	52.9	23.9	126	70-130			
Antimony	32.5	1.59 mg/kg dry	52.9	BRL	61.4	70-130			QM-07
Thallium	48.1	1.59 mg/kg dry	52.9	BRL	90.9	70-130			
Silver	28.2	1.06 mg/kg dry	26.4	5.23	87.0	70-130			
Vanadium	73.1	0.529 mg/kg dry	52.9	27.5	86.2	70-130			
Zinc	187	0.529 mg/kg dry	52.9	123	121	70-130			
Selenium	45.7	1.59 mg/kg dry	52.9	BRL	86.4	70-130			
Lead	344	0.793 mg/kg dry	52.9	113	437	70-130			QM-07
Beryllium	48.2	0.212 mg/kg dry	52.9	0.498	90.2	70-130			
Cadmium	44.5	0.264 mg/kg dry	52.9	BRL	84.1	70-130			
Copper	184	0.529 mg/kg dry	52.9	124	113	70-130			
Arsenic	49.9	1.59 mg/kg dry	52.9	1.34	91.8	70-130			
Chromium	62.3	0.529 mg/kg dry	52.9	13.9	91.5	70-130			
Barium	133	0.529 mg/kg dry	52.9	73.8	112	70-130			
Matrix Spike Dup (5090481-MSD1)		**Source: SA33520-01**	Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Vanadium	77.1	0.528 mg/kg dry	52.8	27.5	93.9	70-130	5.33	35	
Silver	29.3	1.06 mg/kg dry	26.4	5.23	91.2	70-130	3.83	35	
Zinc	217	0.528 mg/kg dry	52.8	123	178	70-130	14.9	35	QM-07
Thallium	48.5	1.59 mg/kg dry	52.8	BRL	91.9	70-130	0.828	35	
Selenium	47.6	1.59 mg/kg dry	52.8	BRL	90.2	70-130	4.07	35	
Antimony	32.1	1.59 mg/kg dry	52.8	BRL	60.8	70-130	1.24	35	QM-07
Nickel	77.6	0.528 mg/kg dry	52.8	23.9	102	70-130	15.6	35	
Beryllium	48.5	0.211 mg/kg dry	52.8	0.498	90.9	70-130	0.620	35	

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090481 - EPA 200 Series										
Matrix Spike Dup (5090481-MSD1)		**Source: SA33520-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Copper	203	0.528	mg/kg dry	52.8	124	150	70-130	9.82	35	QM-07
Lead	454	0.793	mg/kg dry	52.8	113	646	70-130	27.6	35	QM-07
Chromium	64.9	0.528	mg/kg dry	52.8	13.9	96.6	70-130	4.09	35	
Cadmium	43.8	0.264	mg/kg dry	52.8	BRL	83.0	70-130	1.59	35	
Arsenic	49.5	1.59	mg/kg dry	52.8	1.34	91.2	70-130	0.805	35	
Barium	165	0.528	mg/kg dry	52.8	73.8	173	70-130	21.5	35	QM-07
Reference (5090481-SRM1)				Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Vanadium	57.8	1.00	mg/kg wet	60.8		95.1	85-115			
Thallium	48.7	3.00	mg/kg wet	51.5		94.6	85-115			
Zinc	552	1.00	mg/kg wet	613		90.0	85-115			
Selenium	106	3.00	mg/kg wet	108		98.1	85-115			
Antimony	15.2	3.00	mg/kg wet	14.1		108	85-115			
Nickel	49.9	1.00	mg/kg wet	48.9		102	85-115			
Silver	23.0	2.00	mg/kg wet	24.8		92.7	85-115			
Chromium	57.3	1.00	mg/kg wet	54.6		105	85-115			
Arsenic	66.7	3.00	mg/kg wet	68.3		97.7	85-115			
Cadmium	96.9	0.500	mg/kg wet	110		88.1	85-115			
Copper	66.8	1.00	mg/kg wet	64.2		104	85-115			
Lead	116	1.50	mg/kg wet	121		95.9	85-115			
Beryllium	2.58	0.400	mg/kg wet	2.32		111	85-115			
Barium	12.0	1.00	mg/kg wet	12.5		96.0	85-115			
Batch 5090551 - EPA 200 Series										
Blank (5090551-BLK1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	BRL	2.00	mg/kg wet							
LCS (5090551-BS1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	48.2	2.00	mg/kg wet	50.0		96.4	85-115			
Duplicate (5090551-DUP1)		**Source: SA33520-03**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	117	5.14	mg/kg dry		82.7			34.4	35	QM-04
Duplicate (5090551-DUP2)		**Source: SA33520-03**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	240	9.00	mg/kg dry		82.7			97.5	35	QM-04
Reference (5090551-SRM1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	24.9	2.00	mg/kg wet	25.1		99.2	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090725 - SW846 1312									
Blank (5090725-BLK1)			Prepared & Analyzed: 12-Sep-05						
SPLP Extraction	Completed	N/A							
Batch 5090733 - SW846 3010A									
Blank (5090733-BLK1)			Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Vanadium	BRL	0.0025 mg/l							
Nickel	BRL	0.0025 mg/l							
Lead	BRL	0.0038 mg/l							
Copper	BRL	0.0025 mg/l							
Chromium	BRL	0.0025 mg/l							
Beryllium	BRL	0.0010 mg/l							
Arsenic	BRL	0.0075 mg/l							
Silver	BRL	0.0050 mg/l							
Barium	BRL	0.0025 mg/l							
LCS (5090733-BS1)			Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Vanadium	0.470	0.0025 mg/l	0.500		94.0	85-115			
Lead	0.455	0.0038 mg/l	0.500		91.0	85-115			
Nickel	0.480	0.0025 mg/l	0.500		96.0	85-115			
Copper	0.488	0.0025 mg/l	0.500		97.6	85-115			
Silver	0.232	0.0050 mg/l	0.250		92.8	85-115			
Arsenic	0.445	0.0075 mg/l	0.500		89.0	85-115			
Chromium	0.473	0.0025 mg/l	0.500		94.6	85-115			
Beryllium	0.466	0.0010 mg/l	0.500		93.2	85-115			
Barium	0.481	0.0025 mg/l	0.500		96.2	85-115			
LCS Dup (5090733-BSD1)			Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Nickel	0.470	0.0025 mg/l	0.500		94.0	85-115	2.11	20	
Lead	0.456	0.0038 mg/l	0.500		91.2	85-115	0.220	20	
Vanadium	0.464	0.0025 mg/l	0.500		92.8	85-115	1.28	20	
Chromium	0.473	0.0025 mg/l	0.500		94.6	85-115	0.00	20	
Copper	0.487	0.0025 mg/l	0.500		97.4	85-115	0.205	20	
Arsenic	0.450	0.0075 mg/l	0.500		90.0	85-115	1.12	20	
Silver	0.216	0.0050 mg/l	0.250		86.4	85-115	7.14	20	
Beryllium	0.466	0.0010 mg/l	0.500		93.2	85-115	0.00	20	
Barium	0.483	0.0025 mg/l	0.500		96.6	85-115	0.415	20	
Duplicate (5090733-DUP1)		**Source: SA33520-04**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Vanadium	0.0184	0.0050 mg/l		0.0320			54.0	35	QR-05
Lead	0.0838	0.0075 mg/l		0.140			50.2	35	QR-05
Nickel	0.0072	0.0050 mg/l		0.0140			64.2	35	QR-05
Copper	0.0436	0.0050 mg/l		0.0186			80.4	35	QR-05
Chromium	0.0053	0.0050 mg/l		0.0179			109	35	QR-05
Arsenic	BRL	0.0150 mg/l		0.0057			1.74	35	
Beryllium	BRL	0.0020 mg/l		0.0004			66.7	35	QR-04
Silver	BRL	0.0100 mg/l		BRL				35	
Barium	0.0233	0.0050 mg/l		0.0610			89.4	35	QR-05
Matrix Spike (5090733-MS1)		**Source: SA33520-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Vanadium	0.910	0.0050 mg/l	1.00	0.0172	89.3	75-125			
Lead	0.886	0.0075 mg/l	1.00	0.0226	86.3	75-125			
Nickel	0.916	0.0050 mg/l	1.00	0.0037	91.2	75-125			
Copper	0.956	0.0050 mg/l	1.00	0.0243	93.2	75-125			
Arsenic	0.873	0.0150 mg/l	1.00	0.0085	86.4	75-125			
Beryllium	0.923	0.0020 mg/l	1.00	0.0001	92.3	75-125			
Silver	0.388	0.0100 mg/l	0.500	BRL	77.6	75-125			
Chromium	0.918	0.0050 mg/l	1.00	0.0085	91.0	75-125			
Barium	0.936	0.0050 mg/l	1.00	0.0090	92.7	75-125			

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* Reportable Detection Limit BRL = Below Reporting Limit

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090733 - SW846 3010A									
Matrix Spike Dup (5090733-MSD1)		**Source: SA33520-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Vanadium	0.907	0.0050 mg/l	1.00	0.0172	89.0	75-125	0.330	35	
Nickel	0.907	0.0050 mg/l	1.00	0.0037	90.3	75-125	0.987	35	
Lead	0.890	0.0075 mg/l	1.00	0.0226	86.7	75-125	0.450	35	
Arsenic	0.895	0.0150 mg/l	1.00	0.0085	88.6	75-125	2.49	35	
Silver	0.378	0.0100 mg/l	0.500	BRL	75.6	75-125	2.61	35	
Copper	0.956	0.0050 mg/l	1.00	0.0243	93.2	75-125	0.00	35	
Beryllium	0.903	0.0020 mg/l	1.00	0.0001	90.3	75-125	2.19	35	
Chromium	0.944	0.0050 mg/l	1.00	0.0085	93.6	75-125	2.79	35	
Barium	0.934	0.0050 mg/l	1.00	0.0090	92.5	75-125	0.214	35	
Batch 5090734 - EPA200/SW7000 Series									
Blank (5090734-BLK1)			Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	BRL	0.00040 mg/l							
LCS (5090734-BS1)			Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.00248	0.00040 mg/l	0.00250		99.2	80-120			
Duplicate (5090734-DUP1)		**Source: SA33457-06**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	BRL	0.00040 mg/l		BRL				35	
Matrix Spike (5090734-MS1)		**Source: SA33942-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.00253	0.00040 mg/l	0.00250	BRL	101	75-125			
Matrix Spike Dup (5090734-MSD1)		**Source: SA33942-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.00279	0.00040 mg/l	0.00250	BRL	112	75-125	9.77	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090313 - General Preparation									
Duplicate (5090313-DUP1)		**Source: SA33520-05**	Prepared & Analyzed: 06-Sep-05						
% Solids	73.2	%		76.0			3.75	20	
Batch 5090455 - General Preparation									
Blank (5090455-BLK1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
Blank (5090455-BLK2)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5090455-BS1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	31.1	1.00 mg/kg wet	30.0		104	90-110			
LCS (5090455-BS2)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	29.7	1.00 mg/kg wet	30.0		99.0	90-110			
Reference (5090455-SRM1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	36.8	1.00 mg/kg wet	25.9		142	40-160			

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of ompounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33520-01 SA33520-02 SA33520-03 SA33520-04 SA33520-05 SA33520-06 SA33520-07	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C SW846 9012A VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/19/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA33623 (m) (X)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

W#5012794 (JP)

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M. M. Winfield

Invoice To: M. Winfield, CEE, 100 Shield St., W. Hartford, CT
P.O. No.: 06110
David Ringquist, CT DEP, 79 Elm St., Hartford, CT
RQN: 06106

Project No.: CEE Project #2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
State:
Sampler(s): Meriden, CT JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=____ 10=____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water (SO)=Soil SL=Sludge A=Air
X1=____ X2=____ X3=____

(G)=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *(if applicable, please list below.)*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH by CT Method	VOCs by 5035/8260	SVOCs by 8270	PAHs only by 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn +	Total Sb, Be, Tl, Vn	VOCs 8260	
SA33623-01	JTP050902-85	9-2-05	8:30	G	S	8,7	3	2			X	X	X		X	X	X	X	X		SPLP Pb, Hg, Ni, Ag, Va, Cr
02	JTP050902-89		10:00		S	8,7	3	2			X	X	X		X	X	X	X	X		SPLP SVOCs, Pb, Hg, Ni, Ag, V, Cu, Sb
03	JTP050902-91		11:00		S	8,7	3	2				X									dry wt containers received 9/7/05
04	JTP050902-96		11:55		S	8,7	3	2		1		X									
05	JTP050902-93		11:20		S	8,7	3	2				X									
06	JTP050902-98		12:30		S	8,7	3	2		1		X									
07	JTP050902-99		15:45		W	2	2													X	
08	JTP050902-100		16:00		W	2	2													X	

ADDED ANALYSIS per client fax 9/13/05 (MW)

☐ Fax results when available to (____) ____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9/6/05	1045
[signature]	[signature] (MW)	9/6/05	1205

AOC-3 and n-C-5

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-[illegible]9018 • Fax 413-789-4076 • www.spectrum-analytical.com

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

SUPPLEMENTAL CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield / David Ringquist
CEE / CT DEP
100 Shield Street / 79 Elm St.
W. Hartford CT / Hartford, CT
P.O. No.: 06110 RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State streets State: Meriden, CT
Sampler(s): CEE and JTP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
State specific reporting standards *If applicable, please list below.*
☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		SPLP SVOCs	SPLP Pb, Hg, Ni, Ag, Vn	SPLP Cr	SPLP Cu	SPLP Ant. many				
SA	33623-01	JTP050902-85	9-2-05	8:30	G	S	8	3	2					X	X						
SA	33623-02	JTP050902-89	9-2-05	10:00	G	S	8	3	2				X	X		X	X				

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF Format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-3

Report Date:
19-Sep-05 11:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33623-01	JTP050902-85	Soil	02-Sep-05 08:30	06-Sep-05 12:05
SA33623-02	JTP050902-89	Soil	02-Sep-05 10:00	06-Sep-05 12:05
SA33623-03	JTP050902-91	Soil	02-Sep-05 11:00	06-Sep-05 12:05
SA33623-04	JTP050902-96	Soil	02-Sep-05 11:55	06-Sep-05 12:05
SA33623-05	JTP050902-93	Soil	02-Sep-05 11:20	06-Sep-05 12:05
SA33623-06	JTP050902-98	Soil	02-Sep-05 12:30	06-Sep-05 12:05
SA33623-07	JTP050902-99	Water	02-Sep-05 15:45	06-Sep-05 12:05
SA33623-08	JTP050902-100	Water	02-Sep-05 16:00	06-Sep-05 12:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 57 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-85 SA33623-01	CEE Project #2005.045	Soil	02-Sep-05 08:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	73.3	60.1 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	VOC6
107-13-1	Acrylonitrile	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	30.0 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	15.0 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	30.0 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-85 SA33623-01	CEE Project #2005.045	Soil	02-Sep-05 08:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.0 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	30.0 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	30.0 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	6.0 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	28.1 mg/kg dry	1	+CT ETPH	08-Sep-05	09-Sep-05	5090424	KG	
68476-30-2	Fuel Oil #2	BRL	28.1 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	28.1 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	28.1 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	28.1 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	28.1 mg/kg dry	1	"	"	"	"	"	
	Unidentified	33.5	28.1 mg/kg dry	1	"	"	"	"	"	
	Other Oil	Calculated as	28.1 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	33.5	28.1 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	33.5	28.1 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*83.0*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-85 SA33623-01	CEE Project #2005.045	Soil	02-Sep-05 08:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3545A					
12674-11-2	PCB 1016	BRL	31.3 µg/kg dry	1	SW846 8082	08-Sep-05	09-Sep-05	5090425	SM	
11104-28-2	PCB 1221	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	31.3 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	181 µg/kg dry	1	SW846 8270C	07-Sep-05	08-Sep-05	5090338		
208-96-8	Acenaphthylene	BRL	181 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	181 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	181 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	181 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	181 µg/kg dry	1	"	"	"	"	"	
-87-5	Benzidine	BRL	181 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	181 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	207	181 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	181 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	181 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	191	181 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	181 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	181 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	181 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	181 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	181 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	181 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	181 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	181 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	181 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	181 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	228	181 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	181 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	181 µg/kg dry	1	"	"	"	"	"	
50-1	1,2-Dichlorobenzene	BRL	181 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	181 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-85 SA33623-01	CEE Project #2005.045	Soil	02-Sep-05 08:30	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
106-46-7	1,4-Dichlorobenzene	BRL	181 µg/kg dry	1	SW846 8270C	07-Sep-05	08-Sep-05	5090338		
91-94-1	3,3′-Dichlorobenzidine	BRL	181 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	181 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	181 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	181 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	378	181 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	181 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	181 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	181 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	181 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	181 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	181 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	181 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	181 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	181 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	181 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	181 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	181 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	723 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	181 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	723 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	181 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	181 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	181 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	723 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	186	181 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	396	181 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	181 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	181 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	181 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*65.0*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*42.4*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*56.3*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-85 SA33623-01	CEE Project #2005.045	Soil	02-Sep-05 08:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
4165-62-2	*Phenol-d5*	*56.8*	*15-110 %*		SW846 8270C	07-Sep-05	08-Sep-05	5090338		
1718-51-0	*Terphenyl-dl4*	*83.6*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*53.8*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	27.0	18.2 mg/kg dry	100	SW846 7471A	08-Sep-05	09-Sep-05	5090372	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	54.0	1.08 mg/kg dry	1	EPA 200.7	08-Sep-05	09-Sep-05	5090371	CR	
7440-38-2	Arsenic	3.15	1.62 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	71.1	0.541 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.422	0.216 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.271 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	16.3	0.541 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	228	0.541 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	26.8	0.541 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	84.7	0.812 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.62 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.62 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.62 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	25.6	0.541 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	461	0.541 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	14-Sep-05	14-Sep-05	5090907	CB	
7440-22-4	Silver	BRL	0.0100 mg/l	1	SW846 6010B	15-Sep-05	16-Sep-05	5090973	RE	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00957	0.00040 mg/l	1	SW846 7470A	"	16-Sep-05	5090974	YP	
7440-02-0	Nickel	BRL	0.0050 mg/l	1	SW846 6010B	"	16-Sep-05	5090973	RE	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0077	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	8.49	1.10 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	90.0	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1260 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	126 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	632 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	316 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	126 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	126 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	126 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	126 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	632 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	BRL	63.2 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	632 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	632 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	7,850	63.2 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	3,150	63.2 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	70.2	63.2 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
130-20-7	m,p-Xylene	BRL	126 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	63.2 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	62.0 mg/kg dry	2	+CT ETPH	08-Sep-05	09-Sep-05	5090424	KG	
68476-30-2	Fuel Oil #2	BRL	62.0 mg/kg dry	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	62.0 mg/kg dry	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	62.0 mg/kg dry	2	"	"	"	"	"	
M09800000	Motor Oil	BRL	62.0 mg/kg dry	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	62.0 mg/kg dry	2	"	"	"	"	"	
	Unidentified	1,700	62.0 mg/kg dry	2	"	"	"	"	"	
	Other Oil	BRL	62.0 mg/kg dry	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	1,700	62.0 mg/kg dry	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	1,700	62.0 mg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*2030*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							
12674-11-2	PCB 1016	BRL	31.5 µg/kg dry	1	SW846 8082	08-Sep-05	09-Sep-05	5090425	SM	
11104-28-2	PCB 1221	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	31.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	14-Sep-05	14-Sep-05	5090908	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
83-32-9	Acenaphthene	5,620	1980 µg/kg dry	10	SW846 8270C	07-Sep-05	08-Sep-05	5090338		
208-96-8	Acenaphthylene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
62-53-3	Aniline	BRL	1980 µg/kg dry	10	"	"	"	"	"	
120-12-7	Anthracene	12,000	1980 µg/kg dry	10	"	"	"	"	"	
1912-24-9	Atrazine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
92-87-5	Benzidine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	14,700	1980 µg/kg dry	10	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	11,900	1980 µg/kg dry	10	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	10,800	1980 µg/kg dry	10	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	3,590	1980 µg/kg dry	10	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	11,400	1980 µg/kg dry	10	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	1980 µg/kg dry	10	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	1980 µg/kg dry	10	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	1980 µg/kg dry	10	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	1980 µg/kg dry	10	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	1980 µg/kg dry	10	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
86-74-8	Carbazole	3,700	1980 µg/kg dry	10	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	1980 µg/kg dry	10	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	1980 µg/kg dry	10	"	"	"	"	"	
218-01-9	Chrysene	13,400	1980 µg/kg dry	10	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
132-64-9	Dibenzofuran	3,980	1980 µg/kg dry	10	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1980 µg/kg dry	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
541-73-1	1,3-Dichlorobenzene	BRL	1980 µg/kg dry	10	SW846 8270C	07-Sep-05	08-Sep-05	5090338		
106-46-7	1,4-Dichlorobenzene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	1980 µg/kg dry	10	"	"	"	"	"	
206-44-0	Fluoranthene	35,900	1980 µg/kg dry	10	"	"	"	"	"	
86-73-7	Fluorene	5,610	1980 µg/kg dry	10	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	1980 µg/kg dry	10	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	3,480	1980 µg/kg dry	10	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
8-59-1	Isophorone	BRL	1980 µg/kg dry	10	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
91-20-3	Naphthalene	2,700	1980 µg/kg dry	10	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	1980 µg/kg dry	10	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	1980 µg/kg dry	10	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	7930 µg/kg dry	10	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	7930 µg/kg dry	10	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	7930 µg/kg dry	10	"	"	"	"	"	
85-01-8	Phenanthrene	46,100	1980 µg/kg dry	10	"	"	"	"	"	
108-95-2	Phenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
129-00-0	Pyrene	40,900	1980 µg/kg dry	10	"	"	"	"	"	
110-86-1	Pyridine	BRL	1980 µg/kg dry	10	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1980 µg/kg dry	10	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	1980 µg/kg dry	10	"	"	"	"	"	
Surrogate recoveries:										
1-60-8	*2-Fluorobiphenyl*	*83.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*84.0*	*15-110 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

Semivolatile Organic Compounds by GCMS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3545A							
4165-60-0	*Nitrobenzene-d5*	*87.5*	*30-130 %*		SW846 8270C	07-Sep-05	08-Sep-05	5090338		
4165-62-2	*Phenol-d5*	*96.5*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*102*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*60.5*	*15-110 %*		"	"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	15-Sep-05	15-Sep-05	5090949	M.B	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.00 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.00 µg/l	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	5.00 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.00 µg/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.00 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.00 µg/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.00 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.00 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.00 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	5.00 µg/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.00 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.00 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.00 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89	CEE Project	Soil	02-Sep-05 10:00	06-Sep-05
SA33623-02	#2005.045			

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
SPLP Semivolatiles by SW846 1312/8270C			Prepared by method SW846 3535							
117-84-0	Di-n-octyl phthalate	BRL	5.00 µg/l	1	1312/8270C	15-Sep-05	15-Sep-05	5090949	M.B	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.00 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.00 µg/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.00 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	5.00 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
5-30-6	N-Nitrosodiphenylamine	BRL	5.00 µg/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.00 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*75.8*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*72.5*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*67.0*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*64.5*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69.0*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	7.93	1.95 mg/kg dry	10	SW846 7471A	08-Sep-05	09-Sep-05	5090372	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	59.1	1.20 mg/kg dry	1	EPA 200.7	08-Sep-05	09-Sep-05	5090371	CR	
7440-38-2	Arsenic	2.99	1.81 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	65.0	0.602 mg/kg dry	1	"	"	"	"	"	
40-41-7	Beryllium	0.373	0.241 mg/kg dry	1	"	"	"	"	"	
40-43-9	Cadmium	BRL	0.301 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	5.08	0.602 mg/kg dry	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-89 SA33623-02	CEE Project #2005.045	Soil	02-Sep-05 10:00	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-50-8	Copper	541	0.602 mg/kg dry	1	EPA 200.7	08-Sep-05	09-Sep-05	5090371	CR	
7440-02-0	Nickel	87.9	0.602 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	346	0.903 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	105	1.81 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.81 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.81 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	12.1	0.602 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	361	0.602 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	14-Sep-05	14-Sep-05	5090907	CB	
7440-22-4	Silver	0.0144	0.0100 mg/l	1	SW846 6010B	15-Sep-05	16-Sep-05	5090973	RE	
7440-50-8	Copper	BRL	0.0500 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00123	0.00040 mg/l	1	SW846 7470A	"	16-Sep-05	5090974	YP	
7440-02-0	Nickel	0.0084	0.0050 mg/l	1	SW846 6010B	"	16-Sep-05	5090973	RE	
7439-92-1	Lead	0.0312	0.0075 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	0.0380	0.0120 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	2.86	1.20 mg/kg dry	1	SW846 9012A	07-Sep-05	07-Sep-05	5090455	AW	
	% Solids	82.6	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-91 SA33623-03	CEE Project #2005.045	Soil	02-Sep-05 11:00	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	99.2 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
107-13-1	Acrylonitrile	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	49.6 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	24.8 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	145	5.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	8.8	5.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	49.6 µg/kg dry	1	"	"	"	"	"	
82-8	Isopropylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-91 SA33623-03	CEE Project #2005.045	Soil	02-Sep-05 11:00	06-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5035A Soil (low level) — VOC10

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1634-04-4	Methyl tert-butyl ether	BRL	5.0 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	49.6 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	49.6 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	15.0	5.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	7.4	5.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	7.8	5.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	9.9 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*90.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	

General Chemistry Parameters

	% Solids	83.7	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-96 SA33623-04	CEE Project #2005.045	Soil	02-Sep-05 11:55	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	75.6 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
107-13-1	Acrylonitrile	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	37.8 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	18.9 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	37.8 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-96 SA33623-04	CEE Project #2005.045	Soil	02-Sep-05 11:55	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.8 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	37.8 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	37.8 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	7.6 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	80.6	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-93 SA33623-05	CEE Project #2005.045	Soil	02-Sep-05 11:20	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	68.2 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
107-13-1	Acrylonitrile	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	17.1 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-93 SA33623-05	CEE Project #2005.045	Soil	02-Sep-05 11:20	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.4 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	6.8 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.4 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	86.7	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-98 SA33623-06	CEE Project #2005.045	Soil	02-Sep-05 12:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	103 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
107-13-1	Acrylonitrile	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	51.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	25.8 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	51.7 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-98 SA33623-06	CEE Project #2005.045	Soil	02-Sep-05 12:30	06-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	5.2 µg/kg dry	1	SW846 8260B	08-Sep-05	09-Sep-05	5090470	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	51.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	51.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	10.3 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.2 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*97.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	81.9	%	1	SM2540 G Mod.	08-Sep-05	08-Sep-05	5090479	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-99 SA33623-07	CEE Project #2005.045	Water	02-Sep-05 15:45	06-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	08-Sep-05	09-Sep-05	5090495	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-99 SA33623-07	CEE Project #2005.045	Water	02-Sep-05 15:45	06-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	08-Sep-05	09-Sep-05	5090495	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*85.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-100 SA33623-08	CEE Project #2005.045	Water	02-Sep-05 16:00	06-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	08-Sep-05	09-Sep-05	5090495	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050902-100 SA33623-08	CEE Project #2005.045	Water	02-Sep-05 16:00	06-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	08-Sep-05	09-Sep-05	5090495	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*90.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98.0*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090470 - SW846 5035A Soil (low level)										
Blank (5090470-BLK1)				Prepared & Analyzed: 08-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090470 - SW846 5035A Soil (low level)										
Blank (5090470-BLK1)				Prepared & Analyzed: 08-Sep-05						
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*48.7*		µg/kg wet	*50.0*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*61.2*		µg/kg wet	*50.0*		*122*	*70-130*			
Surrogate: Dibromofluoromethane	*51.5*		µg/kg wet	*50.0*		*103*	*70-130*			
LCS (5090470-BS1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Acetone	20.6		µg/kg wet	20.0		103	0.663-201			
Acrylonitrile	23.2		µg/kg wet	20.0		116	70-130			
Benzene	20.8		µg/kg wet	20.0		104	70-130			
Bromobenzene	21.0		µg/kg wet	20.0		105	70-130			
Bromochloromethane	20.4		µg/kg wet	20.0		102	70-130			
Bromodichloromethane	21.0		µg/kg wet	20.0		105	70-130			
Bromoform	17.0		µg/kg wet	20.0		85.0	70-130			
Bromomethane	23.6		µg/kg wet	20.0		118	54-151			
2-Butanone (MEK)	22.1		µg/kg wet	20.0		110	6.66-154			
n-Butylbenzene	22.2		µg/kg wet	20.0		111	70-130			
sec-Butylbenzene	23.2		µg/kg wet	20.0		116	70-130			
tert-Butylbenzene	22.2		µg/kg wet	20.0		111	70-130			
Carbon disulfide	20.8		µg/kg wet	20.0		104	70-130			
Carbon tetrachloride	19.1		µg/kg wet	20.0		95.5	70-130			
Chlorobenzene	21.3		µg/kg wet	20.0		106	70-130			
Chloroethane	23.2		µg/kg wet	20.0		116	64.5-148			
Chloroform	20.0		µg/kg wet	20.0		100	70-130			
Chloromethane	23.6		µg/kg wet	20.0		118	70-130			
2-Chlorotoluene	22.4		µg/kg wet	20.0		112	70-130			
4-Chlorotoluene	22.5		µg/kg wet	20.0		112	70-130			
1,2-Dibromo-3-chloropropane	20.1		µg/kg wet	20.0		100	70-130			
Dibromochloromethane	17.7		µg/kg wet	20.0		88.5	52-148			
1,2-Dibromoethane (EDB)	20.7		µg/kg wet	20.0		104	70-130			
Dibromomethane	20.9		µg/kg wet	20.0		104	70-130			
1,2-Dichlorobenzene	21.5		µg/kg wet	20.0		108	70-130			
1,3-Dichlorobenzene	22.3		µg/kg wet	20.0		112	70-130			
1,4-Dichlorobenzene	21.4		µg/kg wet	20.0		107	70-130			
Dichlorodifluoromethane (Freon12)	30.9		µg/kg wet	20.0		154	60.6-196			
1,1-Dichloroethane	22.1		µg/kg wet	20.0		110	70-130			
1,2-Dichloroethane	22.2		µg/kg wet	20.0		111	70-130			
1,1-Dichloroethene	21.7		µg/kg wet	20.0		108	70-130			
cis-1,2-Dichloroethene	21.2		µg/kg wet	20.0		106	70-130			
trans-1,2-Dichloroethene	20.8		µg/kg wet	20.0		104	70-130			
1,2-Dichloropropane	22.0		µg/kg wet	20.0		110	70-130			
1,3-Dichloropropane	20.2		µg/kg wet	20.0		101	70-130			
2,2-Dichloropropane	21.9		µg/kg wet	20.0		110	70-130			
1,1-Dichloropropene	21.7		µg/kg wet	20.0		108	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090470 - SW846 5035A Soil (low level)										
LCS (5090470-BS1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
cis-1,3-Dichloropropene	20.1		µg/kg wet	20.0		100	70-130			
trans-1,3-Dichloropropene	19.8		µg/kg wet	20.0		99.0	70-130			
Ethylbenzene	21.9		µg/kg wet	20.0		110	70-130			
Hexachlorobutadiene	21.8		µg/kg wet	20.0		109	67-154			
2-Hexanone (MBK)	21.9		µg/kg wet	20.0		110	70-130			
Isopropylbenzene	21.5		µg/kg wet	20.0		108	70-130			
4-Isopropyltoluene	22.6		µg/kg wet	20.0		113	70-130			
Methyl tert-butyl ether	20.6		µg/kg wet	20.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	21.4		µg/kg wet	20.0		107	38.8-135			
Methylene chloride	20.0		µg/kg wet	20.0		100	70-130			
Naphthalene	23.2		µg/kg wet	20.0		116	70-130			
n-Propylbenzene	22.5		µg/kg wet	20.0		112	70-130			
Styrene	20.4		µg/kg wet	20.0		102	70-130			
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet	20.0		98.0	70-130			
1,1,2,2-Tetrachloroethane	22.0		µg/kg wet	20.0		110	70-130			
Tetrachloroethene	19.8		µg/kg wet	20.0		99.0	70-130			
Toluene	20.3		µg/kg wet	20.0		102	70-130			
1,2,3-Trichlorobenzene	22.0		µg/kg wet	20.0		110	70-130			
1,2,4-Trichlorobenzene	21.6		µg/kg wet	20.0		108	70-130			
1,1,1-Trichloroethane	21.4		µg/kg wet	20.0		107	70-130			
1,1,2-Trichloroethane	21.5		µg/kg wet	20.0		108	70-130			
Trichloroethene	21.5		µg/kg wet	20.0		108	70-130			
Trichlorofluoromethane (Freon 11)	25.0		µg/kg wet	20.0		125	66.7-150			
1,2,3-Trichloropropane	22.6		µg/kg wet	20.0		113	70-130			
1,2,4-Trimethylbenzene	21.9		µg/kg wet	20.0		110	70-130			
1,3,5-Trimethylbenzene	21.9		µg/kg wet	20.0		110	70-130			
Vinyl chloride	24.6		µg/kg wet	20.0		123	70-130			
m,p-Xylene	43.2		µg/kg wet	40.0		108	70-130			
o-Xylene	21.6		µg/kg wet	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*50.7*		µg/kg wet	*50.0*		*101*	*70-130*			
LCS Dup (5090470-BSD1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Acetone	15.6		µg/kg wet	20.0		78.0	0.663-201	27.6	50	
Acrylonitrile	21.8		µg/kg wet	20.0		109	70-130	6.22	25	
Benzene	21.2		µg/kg wet	20.0		106	70-130	1.90	25	
Bromobenzene	21.1		µg/kg wet	20.0		106	70-130	0.948	25	
Bromochloromethane	19.7		µg/kg wet	20.0		98.5	70-130	3.49	25	
Bromodichloromethane	20.6		µg/kg wet	20.0		103	70-130	1.92	25	
Bromoform	16.6		µg/kg wet	20.0		83.0	70-130	2.38	25	
Bromomethane	23.4		µg/kg wet	20.0		117	54-151	0.851	50	
2-Butanone (MEK)	20.8		µg/kg wet	20.0		104	6.66-154	5.61	50	
n-Butylbenzene	23.0		µg/kg wet	20.0		115	70-130	3.54	25	
sec-Butylbenzene	23.6		µg/kg wet	20.0		118	70-130	1.71	25	
tert-Butylbenzene	22.8		µg/kg wet	20.0		114	70-130	2.67	25	
Carbon disulfide	21.5		µg/kg wet	20.0		108	70-130	3.77	25	
Carbon tetrachloride	19.5		µg/kg wet	20.0		97.5	70-130	2.07	25	
Chlorobenzene	21.3		µg/kg wet	20.0		106	70-130	0.00	25	
Chloroethane	24.1		µg/kg wet	20.0		120	64.5-148	3.39	50	
Chloroform	20.1		µg/kg wet	20.0		100	70-130	0.00	25	
Chloromethane	25.6		µg/kg wet	20.0		128	70-130	8.13	25	
2-Chlorotoluene	22.5		µg/kg wet	20.0		112	70-130	0.00	25	
4-Chlorotoluene	22.6		µg/kg wet	20.0		113	70-130	0.889	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090470 - SW846 5035A Soil (low level)										
LCS Dup (5090470-BSD1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
1,2-Dibromo-3-chloropropane	18.9		µg/kg wet	20.0		94.5	70-130	5.66	25	
Dibromochloromethane	17.2		µg/kg wet	20.0		86.0	52-148	2.87	50	
1,2-Dibromoethane (EDB)	19.6		µg/kg wet	20.0		98.0	70-130	5.94	25	
Dibromomethane	20.2		µg/kg wet	20.0		101	70-130	2.93	25	
1,2-Dichlorobenzene	21.8		µg/kg wet	20.0		109	70-130	0.922	25	
1,3-Dichlorobenzene	22.1		µg/kg wet	20.0		110	70-130	1.80	25	
1,4-Dichlorobenzene	21.5		µg/kg wet	20.0		108	70-130	0.930	25	
Dichlorodifluoromethane (Freon12)	31.4		µg/kg wet	20.0		157	60.6-196	1.93	50	
1,1-Dichloroethane	22.4		µg/kg wet	20.0		112	70-130	1.80	25	
1,2-Dichloroethane	21.4		µg/kg wet	20.0		107	70-130	3.67	25	
1,1-Dichloroethene	22.4		µg/kg wet	20.0		112	70-130	3.64	25	
cis-1,2-Dichloroethene	21.2		µg/kg wet	20.0		106	70-130	0.00	25	
trans-1,2-Dichloroethene	21.1		µg/kg wet	20.0		106	70-130	1.90	25	
1,2-Dichloropropane	21.7		µg/kg wet	20.0		108	70-130	1.83	25	
1,3-Dichloropropane	19.1		µg/kg wet	20.0		95.5	70-130	5.60	25	
2,2-Dichloropropane	22.0		µg/kg wet	20.0		110	70-130	0.00	25	
1,1-Dichloropropene	22.4		µg/kg wet	20.0		112	70-130	3.64	25	
cis-1,3-Dichloropropene	19.9		µg/kg wet	20.0		99.5	70-130	0.501	25	
trans-1,3-Dichloropropene	19.2		µg/kg wet	20.0		96.0	70-130	3.08	25	
Ethylbenzene	22.2		µg/kg wet	20.0		111	70-130	0.905	25	
Hexachlorobutadiene	23.0		µg/kg wet	20.0		115	67-154	5.36	50	
2-Hexanone (MBK)	18.8		µg/kg wet	20.0		94.0	70-130	15.7	25	
Isopropylbenzene	21.9		µg/kg wet	20.0		110	70-130	1.83	25	
4-Isopropyltoluene	23.0		µg/kg wet	20.0		115	70-130	1.75	25	
Methyl tert-butyl ether	19.8		µg/kg wet	20.0		99.0	70-130	3.96	25	
4-Methyl-2-pentanone (MIBK)	18.8		µg/kg wet	20.0		94.0	38.8-135	12.9	50	
Methylene chloride	20.0		µg/kg wet	20.0		100	70-130	0.00	25	
Naphthalene	21.9		µg/kg wet	20.0		110	70-130	5.31	25	
n-Propylbenzene	23.2		µg/kg wet	20.0		116	70-130	3.51	25	
Styrene	20.1		µg/kg wet	20.0		100	70-130	1.98	25	
1,1,1,2-Tetrachloroethane	19.5		µg/kg wet	20.0		97.5	70-130	0.512	25	
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130	5.61	25	
Tetrachloroethene	20.2		µg/kg wet	20.0		101	70-130	2.00	25	
Toluene	20.7		µg/kg wet	20.0		104	70-130	1.94	25	
1,2,3-Trichlorobenzene	22.1		µg/kg wet	20.0		110	70-130	0.00	25	
1,2,4-Trichlorobenzene	21.7		µg/kg wet	20.0		108	70-130	0.00	25	
1,1,1-Trichloroethane	22.2		µg/kg wet	20.0		111	70-130	3.67	25	
1,1,2-Trichloroethane	20.5		µg/kg wet	20.0		102	70-130	5.71	25	
Trichloroethene	21.4		µg/kg wet	20.0		107	70-130	0.930	25	
Trichlorofluoromethane (Freon 11)	25.9		µg/kg wet	20.0		130	66.7-150	3.92	50	
1,2,3-Trichloropropane	20.8		µg/kg wet	20.0		104	70-130	8.29	25	
1,2,4-Trimethylbenzene	22.2		µg/kg wet	20.0		111	70-130	0.905	25	
1,3,5-Trimethylbenzene	22.1		µg/kg wet	20.0		110	70-130	0.00	25	
Vinyl chloride	25.8		µg/kg wet	20.0		129	70-130	4.76	25	
m,p-Xylene	43.8		µg/kg wet	40.0		110	70-130	1.83	25	
o-Xylene	21.7		µg/kg wet	20.0		108	70-130	0.00	25	
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/kg wet	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/kg wet	*50.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		µg/kg wet	*50.0*		*101*	*70-130*			
Batch 5090495 - Volatiles										
Blank (5090495-BLK1)				Prepared & Analyzed: 08-Sep-05						
Acetone	BRL	20.0	µg/l							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090495 - Volatiles										
Blank (5090495-BLK1)				Prepared & Analyzed: 08-Sep-05						
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090495 - Volatiles										
Blank (5090495-BLK1)				Prepared & Analyzed: 08-Sep-05						
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l	*30.0*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*28.5*		µg/l	*30.0*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*32.5*		µg/l	*30.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*34.0*		µg/l	*30.0*		*113*	*70-130*			
LCS (5090495-BS1)				Prepared & Analyzed: 08-Sep-05						
Acetone	21.9		µg/l	20.0		110	0.671-198			
Acrylonitrile	21.2		µg/l	20.0		106	70-130			
Benzene	22.0		µg/l	20.0		110	70-130			
Bromobenzene	24.0		µg/l	20.0		120	70-130			
Bromochloromethane	24.4		µg/l	20.0		122	70-130			
Bromodichloromethane	23.1		µg/l	20.0		116	70-130			
Bromoform	24.7		µg/l	20.0		124	70-130			
Bromomethane	37.4		µg/l	20.0		187	64.5-146			QC-2
2-Butanone (MEK)	19.5		µg/l	20.0		97.5	14.3-172			
n-Butylbenzene	20.2		µg/l	20.0		101	70-130			
sec-Butylbenzene	23.5		µg/l	20.0		118	70-130			
tert-Butylbenzene	23.0		µg/l	20.0		115	70-130			
Carbon disulfide	23.8		µg/l	20.0		119	70-130			
Carbon tetrachloride	22.0		µg/l	20.0		110	70-130			
Chlorobenzene	22.2		µg/l	20.0		111	70-130			
Chloroethane	24.5		µg/l	20.0		122	66.3-135			
Chloroform	21.8		µg/l	20.0		109	70-130			
Chloromethane	26.0		µg/l	20.0		130	70-130			
2-Chlorotoluene	22.1		µg/l	20.0		110	70-130			
4-Chlorotoluene	22.5		µg/l	20.0		112	70-130			
1,2-Dibromo-3-chloropropane	25.6		µg/l	20.0		128	70-130			
Dibromochloromethane	22.3		µg/l	20.0		112	52.9-141			
1,2-Dibromoethane (EDB)	20.8		µg/l	20.0		104	70-130			
Dibromomethane	22.5		µg/l	20.0		112	70-130			
1,2-Dichlorobenzene	22.5		µg/l	20.0		112	70-130			
1,3-Dichlorobenzene	24.2		µg/l	20.0		121	70-130			
1,4-Dichlorobenzene	22.6		µg/l	20.0		113	70-130			
Dichlorodifluoromethane (Freon12)	37.2		µg/l	20.0		186	50.5-203			
1,1-Dichloroethane	26.4		µg/l	20.0		132	70-130			QC-2
1,2-Dichloroethane	23.5		µg/l	20.0		118	70-130			
1,1-Dichloroethene	22.7		µg/l	20.0		114	70-130			
cis-1,2-Dichloroethene	25.9		µg/l	20.0		130	70-130			
trans-1,2-Dichloroethene	26.0		µg/l	20.0		130	70-130			
1,2-Dichloropropane	22.4		µg/l	20.0		112	70-130			
1,3-Dichloropropane	21.9		µg/l	20.0		110	70-130			
2,2-Dichloropropane	21.0		µg/l	20.0		105	70-130			
1,1-Dichloropropene	22.2		µg/l	20.0		111	70-130			
cis-1,3-Dichloropropene	21.3		µg/l	20.0		106	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090495 - Volatiles										
LCS (5090495-BS1)				Prepared & Analyzed: 08-Sep-05						
trans-1,3-Dichloropropene	19.9		µg/l	20.0		99.5	70-130			
Ethylbenzene	22.2		µg/l	20.0		111	70-130			
Hexachlorobutadiene	18.1		µg/l	20.0		90.5	68.9-138			
2-Hexanone (MBK)	16.7		µg/l	20.0		83.5	70-130			
Isopropylbenzene	21.6		µg/l	20.0		108	70-130			
4-Isopropyltoluene	23.6		µg/l	20.0		118	70-130			
Methyl tert-butyl ether	25.0		µg/l	20.0		125	70-130			
4-Methyl-2-pentanone (MIBK)	16.9		µg/l	20.0		84.5	51.5-134			
Methylene chloride	25.3		µg/l	20.0		126	70-130			
Naphthalene	20.2		µg/l	20.0		101	70-130			
n-Propylbenzene	22.2		µg/l	20.0		111	70-130			
Styrene	22.9		µg/l	20.0		114	70-130			
1,1,1,2-Tetrachloroethane	24.0		µg/l	20.0		120	70-130			
1,1,2,2-Tetrachloroethane	26.6		µg/l	20.0		133	70-130			QC-2
Tetrachloroethene	20.9		µg/l	20.0		104	70-130			
Toluene	20.4		µg/l	20.0		102	70-130			
1,2,3-Trichlorobenzene	19.2		µg/l	20.0		96.0	70-130			
1,2,4-Trichlorobenzene	19.1		µg/l	20.0		95.5	70-130			
1,1,1-Trichloroethane	24.0		µg/l	20.0		120	70-130			
1,1,2-Trichloroethane	21.9		µg/l	20.0		110	70-130			
Trichloroethene	19.4		µg/l	20.0		97.0	70-130			
Trichlorofluoromethane (Freon 11)	25.6		µg/l	20.0		128	70-143			
1,2,3-Trichloropropane	21.5		µg/l	20.0		108	70-130			
1,2,4-Trimethylbenzene	22.3		µg/l	20.0		112	70-130			
1,3,5-Trimethylbenzene	22.2		µg/l	20.0		111	70-130			
Vinyl chloride	24.2		µg/l	20.0		121	70-130			
m,p-Xylene	48.0		µg/l	40.0		120	70-130			
o-Xylene	24.2		µg/l	20.0		121	70-130			
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/l	*30.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*26.9*		µg/l	*30.0*		*89.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*32.6*		µg/l	*30.0*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*35.5*		µg/l	*30.0*		*118*	*70-130*			
LCS Dup (5090495-BSD1)				Prepared & Analyzed: 08-Sep-05						
Acetone	22.2		µg/l	20.0		111	0.671-198	0.905	50	
Acrylonitrile	23.1		µg/l	20.0		116	70-130	9.01	25	
Benzene	21.3		µg/l	20.0		106	70-130	3.70	25	
Bromobenzene	23.1		µg/l	20.0		116	70-130	3.39	25	
Bromochloromethane	24.4		µg/l	20.0		122	70-130	0.00	25	
Bromodichloromethane	22.5		µg/l	20.0		112	70-130	3.51	25	
Bromoform	24.2		µg/l	20.0		121	70-130	2.45	25	
Bromomethane	38.0		µg/l	20.0		190	64.5-146	1.59	50	QC-2
2-Butanone (MEK)	19.9		µg/l	20.0		99.5	14.3-172	2.03	50	
n-Butylbenzene	19.9		µg/l	20.0		99.5	70-130	1.50	25	
sec-Butylbenzene	22.2		µg/l	20.0		111	70-130	6.11	25	
tert-Butylbenzene	21.5		µg/l	20.0		108	70-130	6.28	25	
Carbon disulfide	23.6		µg/l	20.0		118	70-130	0.844	25	
Carbon tetrachloride	22.1		µg/l	20.0		110	70-130	0.00	25	
Chlorobenzene	22.4		µg/l	20.0		112	70-130	0.897	25	
Chloroethane	25.2		µg/l	20.0		126	66.3-135	3.23	50	
Chloroform	21.9		µg/l	20.0		110	70-130	0.913	25	
Chloromethane	26.8		µg/l	20.0		134	70-130	3.03	25	QC-1
2-Chlorotoluene	21.2		µg/l	20.0		106	70-130	3.70	25	
4-Chlorotoluene	20.8		µg/l	20.0		104	70-130	7.41	25	
1,2-Dibromo-3-chloropropane	25.5		µg/l	20.0		128	70-130	0.00	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090495 - Volatiles										
LCS Dup (5090495-BSD1)				Prepared & Analyzed: 08-Sep-05						
Dibromochloromethane	23.0		µg/l	20.0		115	52.9-141	2.64	50	
1,2-Dibromoethane (EDB)	21.4		µg/l	20.0		107	70-130	2.84	25	
Dibromomethane	21.7		µg/l	20.0		108	70-130	3.64	25	
1,2-Dichlorobenzene	20.9		µg/l	20.0		104	70-130	7.41	25	
1,3-Dichlorobenzene	23.1		µg/l	20.0		116	70-130	4.22	25	
1,4-Dichlorobenzene	22.9		µg/l	20.0		114	70-130	0.881	25	
Dichlorodifluoromethane (Freon12)	39.6		µg/l	20.0		198	50.5-203	6.25	50	
1,1-Dichloroethane	27.4		µg/l	20.0		137	70-130	3.72	25	QC-2
1,2-Dichloroethane	23.5		µg/l	20.0		118	70-130	0.00	25	
1,1-Dichloroethene	24.2		µg/l	20.0		121	70-130	5.96	25	
cis-1,2-Dichloroethene	25.8		µg/l	20.0		129	70-130	0.772	25	
trans-1,2-Dichloroethene	26.8		µg/l	20.0		134	70-130	3.03	25	QC-1
1,2-Dichloropropane	21.8		µg/l	20.0		109	70-130	2.71	25	
1,3-Dichloropropane	21.1		µg/l	20.0		106	70-130	3.70	25	
2,2-Dichloropropane	20.9		µg/l	20.0		104	70-130	0.957	25	
1,1-Dichloropropene	22.0		µg/l	20.0		110	70-130	0.905	25	
cis-1,3-Dichloropropene	20.5		µg/l	20.0		102	70-130	3.85	25	
trans-1,3-Dichloropropene	19.7		µg/l	20.0		98.5	70-130	1.01	25	
Ethylbenzene	21.5		µg/l	20.0		108	70-130	2.74	25	
Hexachlorobutadiene	19.0		µg/l	20.0		95.0	68.9-138	4.85	50	
2-Hexanone (MBK)	17.6		µg/l	20.0		88.0	70-130	5.25	25	
Isopropylbenzene	20.5		µg/l	20.0		102	70-130	5.71	25	
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130	9.78	25	
Methyl tert-butyl ether	25.4		µg/l	20.0		127	70-130	1.59	25	
4-Methyl-2-pentanone (MIBK)	16.6		µg/l	20.0		83.0	51.5-134	1.79	50	
Methylene chloride	26.4		µg/l	20.0		132	70-130	4.65	25	QC-1
Naphthalene	21.2		µg/l	20.0		106	70-130	4.83	25	
n-Propylbenzene	20.4		µg/l	20.0		102	70-130	8.45	25	
Styrene	21.9		µg/l	20.0		110	70-130	3.57	25	
1,1,1,2-Tetrachloroethane	23.8		µg/l	20.0		119	70-130	0.837	25	
1,1,2,2-Tetrachloroethane	26.3		µg/l	20.0		132	70-130	0.755	25	QC-2
Tetrachloroethene	21.9		µg/l	20.0		110	70-130	5.61	25	
Toluene	20.0		µg/l	20.0		100	70-130	1.98	25	
1,2,3-Trichlorobenzene	20.3		µg/l	20.0		102	70-130	6.06	25	
1,2,4-Trichlorobenzene	19.8		µg/l	20.0		99.0	70-130	3.60	25	
1,1,1-Trichloroethane	23.8		µg/l	20.0		119	70-130	0.837	25	
1,1,2-Trichloroethane	22.3		µg/l	20.0		112	70-130	1.80	25	
Trichloroethene	19.1		µg/l	20.0		95.5	70-130	1.56	25	
Trichlorofluoromethane (Freon 11)	25.8		µg/l	20.0		129	70-143	0.778	50	
1,2,3-Trichloropropane	21.1		µg/l	20.0		106	70-130	1.87	25	
1,2,4-Trimethylbenzene	21.6		µg/l	20.0		108	70-130	3.64	25	
1,3,5-Trimethylbenzene	20.6		µg/l	20.0		103	70-130	7.48	25	
Vinyl chloride	24.1		µg/l	20.0		120	70-130	0.830	25	
m,p-Xylene	44.8		µg/l	40.0		112	70-130	6.90	25	
o-Xylene	23.7		µg/l	20.0		118	70-130	2.51	25	
Surrogate: 4-Bromofluorobenzene	*29.8*		µg/l	*30.0*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*27.3*		µg/l	*30.0*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*32.6*		µg/l	*30.0*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*35.6*		µg/l	*30.0*		*119*	*70-130*			
Matrix Spike (5090495-MS1)		**Source: SA33634-01**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Benzene	24.4		µg/l	20.0	BRL	122	70-130			
Chlorobenzene	23.6		µg/l	20.0	BRL	118	70-130			
1,1-Dichloroethene	22.3		µg/l	20.0	BRL	112	70-130			
Toluene	24.2		µg/l	20.0	BRL	121	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090495 - Volatiles									
Matrix Spike (5090495-MS1)		**Source: SA33634-01**	Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Trichloroethene	21.9	µg/l	20.0	BRL	110	70-130			
Surrogate: 4-Bromofluorobenzene	*29.0*	µg/l	*30.0*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*31.0*	µg/l	*30.0*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*29.9*	µg/l	*30.0*		*99.7*	*70-130*			
Surrogate: Dibromofluoromethane	*31.6*	µg/l	*30.0*		*105*	*70-130*			
Matrix Spike Dup (5090495-MSD1)		**Source: SA33634-01**	Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Benzene	24.2	µg/l	20.0	BRL	121	70-130	0.823	30	
Chlorobenzene	24.1	µg/l	20.0	BRL	120	70-130	1.68	30	
1,1-Dichloroethene	25.0	µg/l	20.0	BRL	125	70-130	11.0	30	
Toluene	22.3	µg/l	20.0	BRL	112	70-130	7.73	30	
Trichloroethene	21.4	µg/l	20.0	BRL	107	70-130	2.76	30	
Surrogate: 4-Bromofluorobenzene	*29.3*	µg/l	*30.0*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*28.1*	µg/l	*30.0*		*93.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*31.2*	µg/l	*30.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*33.3*	µg/l	*30.0*		*111*	*70-130*			
Batch 5090536 - SW846 5030 Soil (high level)									
Blank (5090536-BLK1)			Prepared & Analyzed: 09-Sep-05						
Acetone	BRL	20.0 µg/kg wet							
Acrylonitrile	BRL	1.0 µg/kg wet							
Benzene	BRL	1.0 µg/kg wet							
Bromobenzene	BRL	1.0 µg/kg wet							
Bromochloromethane	BRL	1.0 µg/kg wet							
Bromodichloromethane	BRL	1.0 µg/kg wet							
Bromoform	BRL	1.0 µg/kg wet							
Bromomethane	BRL	2.0 µg/kg wet							
2-Butanone (MEK)	BRL	10.0 µg/kg wet							
n-Butylbenzene	BRL	1.0 µg/kg wet							
sec-Butylbenzene	BRL	1.0 µg/kg wet							
tert-Butylbenzene	BRL	1.0 µg/kg wet							
Carbon disulfide	BRL	5.0 µg/kg wet							
Carbon tetrachloride	BRL	1.0 µg/kg wet							
Chlorobenzene	BRL	1.0 µg/kg wet							
Chloroethane	BRL	2.0 µg/kg wet							
Chloroform	BRL	1.0 µg/kg wet							
Chloromethane	BRL	2.0 µg/kg wet							
2-Chlorotoluene	BRL	1.0 µg/kg wet							
4-Chlorotoluene	BRL	1.0 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 µg/kg wet							
Dibromochloromethane	BRL	1.0 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 µg/kg wet							
Dibromomethane	BRL	1.0 µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0 µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/kg wet							
1,1-Dichloroethane	BRL	1.0 µg/kg wet							
1,2-Dichloroethane	BRL	1.0 µg/kg wet							
1,1-Dichloroethene	BRL	1.0 µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
2-Dichloropropane	BRL	1.0 µg/kg wet							
1,3-Dichloropropane	BRL	1.0 µg/kg wet							
2,2-Dichloropropane	BRL	1.0 µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
Blank (5090536-BLK1)				Prepared & Analyzed: 09-Sep-05						
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/kg wet	*50.0*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.9*		µg/kg wet	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*55.2*		µg/kg wet	*50.0*		*110*	*70-130*			
LCS (5090536-BS1)				Prepared & Analyzed: 09-Sep-05						
Acetone	6.9		µg/kg wet	20.0		34.5	0.663-201			
Acrylonitrile	19.0		µg/kg wet	20.0		95.0	70-130			
Benzene	20.1		µg/kg wet	20.0		100	70-130			
Bromobenzene	20.4		µg/kg wet	20.0		102	70-130			
Bromochloromethane	20.7		µg/kg wet	20.0		104	70-130			
Bromodichloromethane	22.2		µg/kg wet	20.0		111	70-130			
Bromoform	21.0		µg/kg wet	20.0		105	70-130			
Bromomethane	29.7		µg/kg wet	20.0		148	54-151			
2-Butanone (MEK)	11.2		µg/kg wet	20.0		56.0	6.66-154			
n-Butylbenzene	18.4		µg/kg wet	20.0		92.0	70-130			
sec-Butylbenzene	20.9		µg/kg wet	20.0		104	70-130			
tert-Butylbenzene	20.4		µg/kg wet	20.0		102	70-130			
Carbon disulfide	21.8		µg/kg wet	20.0		109	70-130			
Carbon tetrachloride	21.9		µg/kg wet	20.0		110	70-130			
Chlorobenzene	20.2		µg/kg wet	20.0		101	70-130			
Chloroethane	23.3		µg/kg wet	20.0		116	64.5-148			
Chloroform	20.2		µg/kg wet	20.0		101	70-130			
Chloromethane	23.2		µg/kg wet	20.0		116	70-130			
2-Chlorotoluene	21.6		µg/kg wet	20.0		108	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
LCS (5090536-BS1)				Prepared & Analyzed: 09-Sep-05						
4-Chlorotoluene	21.3		µg/kg wet	20.0		106	70-130			
1,2-Dibromo-3-chloropropane	21.4		µg/kg wet	20.0		107	70-130			
Dibromochloromethane	21.1		µg/kg wet	20.0		106	52-148			
1,2-Dibromoethane (EDB)	20.5		µg/kg wet	20.0		102	70-130			
Dibromomethane	21.9		µg/kg wet	20.0		110	70-130			
1,2-Dichlorobenzene	20.8		µg/kg wet	20.0		104	70-130			
1,3-Dichlorobenzene	21.6		µg/kg wet	20.0		108	70-130			
1,4-Dichlorobenzene	20.6		µg/kg wet	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	32.1		µg/kg wet	20.0		160	60.6-196			
1,1-Dichloroethane	21.5		µg/kg wet	20.0		108	70-130			
1,2-Dichloroethane	21.8		µg/kg wet	20.0		109	70-130			
1,1-Dichloroethene	20.2		µg/kg wet	20.0		101	70-130			
cis-1,2-Dichloroethene	20.8		µg/kg wet	20.0		104	70-130			
trans-1,2-Dichloroethene	19.5		µg/kg wet	20.0		97.5	70-130			
1,2-Dichloropropane	20.6		µg/kg wet	20.0		103	70-130			
1,3-Dichloropropane	21.5		µg/kg wet	20.0		108	70-130			
2,2-Dichloropropane	19.9		µg/kg wet	20.0		99.5	70-130			
1,1-Dichloropropene	20.1		µg/kg wet	20.0		100	70-130			
cis-1,3-Dichloropropene	19.2		µg/kg wet	20.0		96.0	70-130			
trans-1,3-Dichloropropene	19.6		µg/kg wet	20.0		98.0	70-130			
Ethylbenzene	19.8		µg/kg wet	20.0		99.0	70-130			
Hexachlorobutadiene	21.2		µg/kg wet	20.0		106	67-154			
2-Hexanone (MBK)	13.0		µg/kg wet	20.0		65.0	70-130			QC-2
Isopropylbenzene	19.5		µg/kg wet	20.0		97.5	70-130			
4-Isopropyltoluene	19.9		µg/kg wet	20.0		99.5	70-130			
Methyl tert-butyl ether	19.2		µg/kg wet	20.0		96.0	70-130			
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet	20.0		86.0	38.8-135			
Methylene chloride	20.2		µg/kg wet	20.0		101	70-130			
Naphthalene	20.5		µg/kg wet	20.0		102	70-130			
n-Propylbenzene	19.9		µg/kg wet	20.0		99.5	70-130			
Styrene	19.4		µg/kg wet	20.0		97.0	70-130			
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130			
1,1,2,2-Tetrachloroethane	22.3		µg/kg wet	20.0		112	70-130			
Tetrachloroethene	19.8		µg/kg wet	20.0		99.0	70-130			
Toluene	19.7		µg/kg wet	20.0		98.5	70-130			
1,2,3-Trichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,2,4-Trichlorobenzene	18.9		µg/kg wet	20.0		94.5	70-130			
1,1,1-Trichloroethane	21.6		µg/kg wet	20.0		108	70-130			
1,1,2-Trichloroethane	21.5		µg/kg wet	20.0		108	70-130			
Trichloroethene	19.9		µg/kg wet	20.0		99.5	70-130			
Trichlorofluoromethane (Freon 11)	26.0		µg/kg wet	20.0		130	66.7-150			
1,2,3-Trichloropropane	21.4		µg/kg wet	20.0		107	70-130			
1,2,4-Trimethylbenzene	20.2		µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	20.1		µg/kg wet	20.0		100	70-130			
Vinyl chloride	26.2		µg/kg wet	20.0		131	70-130			QC-1
m,p-Xylene	40.6		µg/kg wet	40.0		102	70-130			
o-Xylene	21.0		µg/kg wet	20.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*54.1*		µg/kg wet	*50.0*		*108*	*70-130*			
CS Dup (5090536-BSD1)				Prepared & Analyzed: 09-Sep-05						
Acetone	6.8		µg/kg wet	20.0		34.0	0.663-201	1.46	50	
Acrylonitrile	19.3		µg/kg wet	20.0		96.5	70-130	1.57	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
LCS Dup (5090536-BSD1)				Prepared & Analyzed: 09-Sep-05						
Benzene	19.1		µg/kg wet	20.0		95.5	70-130	4.60	25	
Bromobenzene	19.5		µg/kg wet	20.0		97.5	70-130	4.51	25	
Bromochloromethane	20.0		µg/kg wet	20.0		100	70-130	3.92	25	
Bromodichloromethane	21.4		µg/kg wet	20.0		107	70-130	3.67	25	
Bromoform	20.3		µg/kg wet	20.0		102	70-130	2.90	25	
Bromomethane	27.1		µg/kg wet	20.0		136	54-151	8.45	50	
2-Butanone (MEK)	10.5		µg/kg wet	20.0		52.5	6.66-154	6.45	50	
n-Butylbenzene	17.1		µg/kg wet	20.0		85.5	70-130	7.32	25	
sec-Butylbenzene	19.4		µg/kg wet	20.0		97.0	70-130	6.97	25	
tert-Butylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
Carbon disulfide	19.8		µg/kg wet	20.0		99.0	70-130	9.62	25	
Carbon tetrachloride	20.4		µg/kg wet	20.0		102	70-130	7.55	25	
Chlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130	5.08	25	
Chloroethane	21.6		µg/kg wet	20.0		108	64.5-148	7.14	50	
Chloroform	19.1		µg/kg wet	20.0		95.5	70-130	5.60	25	
Chloromethane	21.0		µg/kg wet	20.0		105	70-130	9.95	25	
2-Chlorotoluene	20.4		µg/kg wet	20.0		102	70-130	5.71	25	
4-Chlorotoluene	20.0		µg/kg wet	20.0		100	70-130	5.83	25	
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet	20.0		103	70-130	3.81	25	
Dibromochloromethane	20.4		µg/kg wet	20.0		102	52-148	3.85	50	
1,2-Dibromoethane (EDB)	19.9		µg/kg wet	20.0		99.5	70-130	2.48	25	
Dibromomethane	21.0		µg/kg wet	20.0		105	70-130	4.65	25	
1,2-Dichlorobenzene	19.7		µg/kg wet	20.0		98.5	70-130	5.43	25	
1,3-Dichlorobenzene	20.5		µg/kg wet	20.0		102	70-130	5.71	25	
1,4-Dichlorobenzene	19.6		µg/kg wet	20.0		98.0	70-130	4.98	25	
Dichlorodifluoromethane (Freon12)	29.7		µg/kg wet	20.0		148	60.6-196	7.79	50	
1,1-Dichloroethane	20.1		µg/kg wet	20.0		100	70-130	7.69	25	
1,2-Dichloroethane	21.3		µg/kg wet	20.0		106	70-130	2.79	25	
1,1-Dichloroethene	18.7		µg/kg wet	20.0		93.5	70-130	7.71	25	
cis-1,2-Dichloroethene	19.9		µg/kg wet	20.0		99.5	70-130	4.42	25	
trans-1,2-Dichloroethene	18.2		µg/kg wet	20.0		91.0	70-130	6.90	25	
1,2-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130	3.96	25	
1,3-Dichloropropane	20.8		µg/kg wet	20.0		104	70-130	3.77	25	
2,2-Dichloropropane	18.5		µg/kg wet	20.0		92.5	70-130	7.29	25	
1,1-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130	8.33	25	
cis-1,3-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130	4.26	25	
trans-1,3-Dichloropropene	18.9		µg/kg wet	20.0		94.5	70-130	3.64	25	
Ethylbenzene	18.8		µg/kg wet	20.0		94.0	70-130	5.18	25	
Hexachlorobutadiene	19.3		µg/kg wet	20.0		96.5	67-154	9.38	50	
2-Hexanone (MBK)	12.2		µg/kg wet	20.0		61.0	70-130	6.35	25	QC-2
Isopropylbenzene	18.1		µg/kg wet	20.0		90.5	70-130	7.45	25	
4-Isopropyltoluene	18.5		µg/kg wet	20.0		92.5	70-130	7.29	25	
Methyl tert-butyl ether	18.8		µg/kg wet	20.0		94.0	70-130	2.11	25	
4-Methyl-2-pentanone (MIBK)	16.8		µg/kg wet	20.0		84.0	38.8-135	2.35	50	
Methylene chloride	19.5		µg/kg wet	20.0		97.5	70-130	3.53	25	
Naphthalene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
n-Propylbenzene	18.2		µg/kg wet	20.0		91.0	70-130	8.92	25	
Styrene	18.3		µg/kg wet	20.0		91.5	70-130	5.84	25	
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet	20.0		100	70-130	3.92	25	
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet	20.0		108	70-130	3.64	25	
Tetrachloroethene	18.5		µg/kg wet	20.0		92.5	70-130	6.79	25	
Toluene	18.5		µg/kg wet	20.0		92.5	70-130	6.28	25	
1,2,3-Trichlorobenzene	18.9		µg/kg wet	20.0		94.5	70-130	7.63	25	
1,2,4-Trichlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130	6.56	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
LCS Dup (5090536-BSD1)				Prepared & Analyzed: 09-Sep-05						
1,1,1-Trichloroethane	20.1		µg/kg wet	20.0		100	70-130	7.69	25	
1,1,2-Trichloroethane	21.0		µg/kg wet	20.0		105	70-130	2.82	25	
Trichloroethene	18.7		µg/kg wet	20.0		93.5	70-130	6.22	25	
Trichlorofluoromethane (Freon 11)	24.3		µg/kg wet	20.0		122	66.7-150	6.35	50	
1,2,3-Trichloropropane	21.0		µg/kg wet	20.0		105	70-130	1.89	25	
1,2,4-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	6.12	25	
1,3,5-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	5.13	25	
Vinyl chloride	23.6		µg/kg wet	20.0		118	70-130	10.4	25	
m,p-Xylene	38.1		µg/kg wet	40.0		95.2	70-130	6.90	25	
o-Xylene	19.9		µg/kg wet	20.0		99.5	70-130	5.38	25	
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*53.9*		µg/kg wet	*50.0*		*108*	*70-130*			
Matrix Spike (5090536-MS1)		**Source: SA33579-06**		Prepared & Analyzed: 09-Sep-05						
Benzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130			
Chlorobenzene	20.6		µg/kg dry	20.0	BRL	103	70-130			
1,1-Dichloroethene	21.6		µg/kg dry	20.0	BRL	108	70-130			
Toluene	20.0		µg/kg dry	20.0	BRL	100	70-130			
Trichloroethene	19.2		µg/kg dry	20.0	BRL	96.0	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg dry	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/kg dry	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/kg dry	*50.0*		*92.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		µg/kg dry	*50.0*		*101*	*70-130*			
Matrix Spike Dup (5090536-MSD1)		**Source: SA33579-06**		Prepared & Analyzed: 09-Sep-05						
Benzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	0.00	30	
Chlorobenzene	20.7		µg/kg dry	20.0	BRL	104	70-130	0.966	30	
1,1-Dichloroethene	21.2		µg/kg dry	20.0	BRL	106	70-130	1.87	30	
Toluene	20.1		µg/kg dry	20.0	BRL	100	70-130	0.00	30	
Trichloroethene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	0.00	30	
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg dry	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/kg dry	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/kg dry	*50.0*		*92.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		µg/kg dry	*50.0*		*101*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090424 - SW846 3550B										
Blank (5090424-BLK1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.15*		mg/kg wet	*3.33*		*64.6*	*40-140*			
LCS (5090424-BS1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
C9-C36 Aliphatic Hydrocarbons	61.1	13.3	mg/kg wet	93.3		65.5	40-140			
Surrogate: 1-Chlorooctadecane	*1.87*		mg/kg wet	*3.33*		*56.2*	*40-140*			
Duplicate (5090424-DUP1)		**Source: SA33623-01**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Gasoline	BRL	28.4	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	28.4	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	28.4	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	28.4	mg/kg dry		BRL				50	
Motor Oil	BRL	28.4	mg/kg dry		BRL				50	
Aviation Fuel	BRL	28.4	mg/kg dry		BRL				50	
Unidentified	29.1	28.4	mg/kg dry		33.5			14.1	50	
Other Oil	Calculated as	28.4	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	29.1	28.4	mg/kg dry		33.5			14.1	50	
C9-C36 Aliphatic Hydrocarbons	29.1	28.4	mg/kg dry		33.5			14.1	50	
Surrogate: 1-Chlorooctadecane	*2.66*		mg/kg dry	*3.56*		*74.7*	*40-140*			
Matrix Spike (5090424-MS1)		**Source: SA33623-01**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
C9-C36 Aliphatic Hydrocarbons	96.7	14.3	mg/kg dry	101	33.5	62.6	40-140			
Surrogate: 1-Chlorooctadecane	*2.10*		mg/kg dry	*3.59*		*58.5*	*40-140*			
Matrix Spike Dup (5090424-MSD1)		**Source: SA33623-01**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
C9-C36 Aliphatic Hydrocarbons	106	14.4	mg/kg dry	101	33.5	71.8	40-140	13.7	30	
Surrogate: 1-Chlorooctadecane	*2.23*		mg/kg dry	*3.62*		*61.6*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090425 - SW846 3545A										
Blank (5090425-BLK1)				Prepared & Analyzed: 08-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
LCS (5090425-BS1)				Prepared & Analyzed: 08-Sep-05						
PCB 1016	361	28.6	µg/kg wet	357		101	40-140			
PCB 1260	354	28.6	µg/kg wet	357		99.2	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*25.7*		µg/kg wet	*28.6*		*89.9*	*30-150*			
Duplicate (5090425-DUP1)		**Source: SA33404-02**		Prepared & Analyzed: 08-Sep-05						
PCB 1016	BRL	31.5	µg/kg dry		BRL				40	
PCB 1221	BRL	31.5	µg/kg dry		BRL				40	
PCB 1232	BRL	31.5	µg/kg dry		BRL				40	
PCB 1242	BRL	31.5	µg/kg dry		BRL				40	
PCB 1248	BRL	31.5	µg/kg dry		BRL				40	
PCB 1254	BRL	31.5	µg/kg dry		BRL				40	
PCB 1260	BRL	31.5	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*31.5*		µg/kg dry	*31.5*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*28.3*		µg/kg dry	*31.5*		*89.8*	*30-150*			
Matrix Spike (5090425-MS1)		**Source: SA33404-02**		Prepared & Analyzed: 08-Sep-05						
PCB 1016	425	31.4	µg/kg dry	392	BRL	108	40-140			
PCB 1260	336	31.4	µg/kg dry	392	BRL	85.7	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.2*		µg/kg dry	*31.4*		*89.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*23.5*		µg/kg dry	*31.4*		*74.8*	*30-150*			
Matrix Spike Dup (5090425-MSD1)		**Source: SA33404-02**		Prepared & Analyzed: 08-Sep-05						
PCB 1016	405	30.3	µg/kg dry	378	BRL	107	40-140	0.930	50	
PCB 1260	331	30.3	µg/kg dry	378	BRL	87.6	40-140	2.19	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.7*		µg/kg dry	*30.2*		*95.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.2*		µg/kg dry	*30.2*		*80.1*	*30-150*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Blank (5090338-BLK1)				Prepared & Analyzed: 07-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3'-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Blank (5090338-BLK1)				Prepared & Analyzed: 07-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*3920*		µg/kg wet	*6670*		*58.8*	*30-130*			
Surrogate: 2-Fluorophenol	*3050*		µg/kg wet	*6670*		*45.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*4310*		µg/kg wet	*6670*		*64.6*	*30-130*			
Surrogate: Phenol-d5	*3380*		µg/kg wet	*6670*		*50.7*	*15-110*			
Surrogate: Terphenyl-dl4	*4210*		µg/kg wet	*6670*		*63.1*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2970*		µg/kg wet	*6670*		*44.5*	*15-110*			
LCS (5090338-BS1)				Prepared & Analyzed: 07-Sep-05						
Acenaphthene	4060	330	µg/kg wet	6670		60.9	40-130			
Acenaphthylene	4060	330	µg/kg wet	6670		60.9	40-130			
Aniline	4480	330	µg/kg wet	6670		67.2	40-130			
Anthracene	4200	330	µg/kg wet	6670		63.0	40-130			
Atrazine	5230	330	µg/kg wet	6670		78.4	40-130			
Azobenzene/Diphenyldiazine	4540	330	µg/kg wet	6670		68.1	40-130			
Benzidine	2690	330	µg/kg wet	6670		40.3	40-130			
Benzo (a) anthracene	3980	330	µg/kg wet	6670		59.7	40-130			
Benzo (a) pyrene	4160	330	µg/kg wet	6670		62.4	40-130			
Benzo (b) fluoranthene	3420	330	µg/kg wet	6670		51.3	40-130			
Benzo (g,h,i) perylene	3960	330	µg/kg wet	6670		59.4	40-130			
Benzo (k) fluoranthene	5190	330	µg/kg wet	6670		77.8	40-130			
Benzoic acid	2010	330	µg/kg wet	6670		30.1	40-130			QC-2
Benzyl alcohol	3410	330	µg/kg wet	6670		51.1	40-130			
Bis(2-chloroethoxy)methane	3410	330	µg/kg wet	6670		51.1	40-130			
Bis(2-chloroethyl)ether	4080	330	µg/kg wet	6670		61.2	40-130			
Bis(2-chloroisopropyl)ether	5480	330	µg/kg wet	6670		82.2	40-130			
Bis(2-ethylhexyl)phthalate	4180	330	µg/kg wet	6670		62.7	40-130			
4-Bromophenyl phenyl ether	4130	330	µg/kg wet	6670		61.9	40-130			
Butyl benzyl phthalate	4120	330	µg/kg wet	6670		61.8	40-130			
Carbazole	3840	330	µg/kg wet	6670		57.6	40-130			
4-Chloro-3-methylphenol	3870	330	µg/kg wet	6670		58.0	40-130			
4-Chloroaniline	3140	330	µg/kg wet	6670		47.1	40-130			
2-Chloronaphthalene	3940	330	µg/kg wet	6670		59.1	40-130			
2-Chlorophenol	4280	330	µg/kg wet	6670		64.2	40-130			
Chlorophenyl phenyl ether	4510	330	µg/kg wet	6670		67.6	40-130			
Chrysene	4020	330	µg/kg wet	6670		60.3	40-130			
Dibenzo (a,h) anthracene	3700	330	µg/kg wet	6670		55.5	40-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
LCS (5090338-BS1)				Prepared & Analyzed: 07-Sep-05						
Dibenzofuran	4040	330	µg/kg wet	6670		60.6	40-130			
1,2-Dichlorobenzene	4650	330	µg/kg wet	6670		69.7	40-130			
1,3-Dichlorobenzene	4260	330	µg/kg wet	6670		63.9	40-130			
1,4-Dichlorobenzene	4320	330	µg/kg wet	6670		64.8	40-130			
3,3'-Dichlorobenzidine	4010	330	µg/kg wet	6670		60.1	40-130			
2,4-Dichlorophenol	3410	330	µg/kg wet	6670		51.1	40-130			
Diethyl phthalate	4420	330	µg/kg wet	6670		66.3	40-130			
Dimethyl phthalate	4210	330	µg/kg wet	6670		63.1	40-130			
2,4-Dimethylphenol	3430	330	µg/kg wet	6670		51.4	40-130			
Di-n-butyl phthalate	4200	330	µg/kg wet	6670		63.0	40-130			
4,6-Dinitro-2-methylphenol	2840	330	µg/kg wet	6670		42.6	40-130			
2,4-Dinitrophenol	1590	330	µg/kg wet	6670		23.8	40-130			QC-2
2,4-Dinitrotoluene	3710	330	µg/kg wet	6670		55.6	40-130			
2,6-Dinitrotoluene	4590	330	µg/kg wet	6670		68.8	40-130			
Di-n-octyl phthalate	4780	330	µg/kg wet	6670		71.7	40-130			
Fluoranthene	4080	330	µg/kg wet	6670		61.2	40-130			
Fluorene	4470	330	µg/kg wet	6670		67.0	40-130			
Hexachlorobenzene	4000	330	µg/kg wet	6670		60.0	40-130			
Hexachlorobutadiene	4360	330	µg/kg wet	6670		65.4	40-130			
Hexachlorocyclopentadiene	4430	330	µg/kg wet	6670		66.4	40-130			
Hexachloroethane	5240	330	µg/kg wet	6670		78.6	40-130			
Indeno (1,2,3-cd) pyrene	3940	330	µg/kg wet	6670		59.1	40-130			
1-Methylnaphthalene	3770	330	µg/kg wet	6670		56.5	40-140			
Isophorone	3730	330	µg/kg wet	6670		55.9	40-130			
2-Methylnaphthalene	3880	330	µg/kg wet	6670		58.2	40-130			
2-Methylphenol	4250	330	µg/kg wet	6670		63.7	40-130			
3,4-Methylphenol	6490	330	µg/kg wet	6670		97.3	40-130			
Naphthalene	3640	330	µg/kg wet	6670		54.6	40-130			
2-Nitroaniline	3810	330	µg/kg wet	6670		57.1	40-130			
3-Nitroaniline	3530	330	µg/kg wet	6670		52.9	40-130			
4-Nitroaniline	4280	1320	µg/kg wet	6670		64.2	40-130			
Nitrobenzene	4510	330	µg/kg wet	6670		67.6	40-130			
2-Nitrophenol	3520	330	µg/kg wet	6670		52.8	40-130			
4-Nitrophenol	2990	1320	µg/kg wet	6670		44.8	40-130			
N-Nitrosodimethylamine	3780	330	µg/kg wet	6670		56.7	40-130			
N-Nitrosodi-n-propylamine	5650	330	µg/kg wet	6670		84.7	40-130			
N-Nitrosodiphenylamine	4600	330	µg/kg wet	6670		69.0	40-130			
Pentachlorophenol	3350	1320	µg/kg wet	6670		50.2	40-130			
Phenanthrene	4240	330	µg/kg wet	6670		63.6	40-130			
Phenol	4530	330	µg/kg wet	6670		67.9	40-130			
Pyrene	3750	330	µg/kg wet	6670		56.2	40-130			
Pyridine	4610	330	µg/kg wet	6670		69.1	40-130			
1,2,4-Trichlorobenzene	3550	330	µg/kg wet	6670		53.2	40-130			
2,4,5-Trichlorophenol	4520	330	µg/kg wet	6670		67.8	40-130			
2,4,6-Trichlorophenol	3900	330	µg/kg wet	6670		58.5	40-130			
Surrogate: 2-Fluorobiphenyl	*4070*		µg/kg wet	*6670*		*61.0*	*30-130*			
Surrogate: 2-Fluorophenol	*3030*		µg/kg wet	*6670*		*45.4*	*15-110*			
Surrogate: Nitrobenzene-d5	*3900*		µg/kg wet	*6670*		*58.5*	*30-130*			
Surrogate: Phenol-d5	*3770*		µg/kg wet	*6670*		*56.5*	*15-110*			
Surrogate: Terphenyl-dl4	*3750*		µg/kg wet	*6670*		*56.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3330*		µg/kg wet	*6670*		*49.9*	*15-110*			
Duplicate (5090338-DUP1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	BRL	784	µg/kg dry		BRL				50	
Acenaphthylene	BRL	784	µg/kg dry		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Duplicate (5090338-DUP1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Aniline	BRL	784	µg/kg dry		BRL				50	
Anthracene	BRL	784	µg/kg dry		BRL				50	
Atrazine	BRL	784	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	784	µg/kg dry		BRL				50	
Benzidine	BRL	784	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	784	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	784	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	784	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	784	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	784	µg/kg dry		BRL				50	
Benzoic acid	BRL	784	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	784	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	784	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	784	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	784	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	784	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	784	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	784	µg/kg dry		BRL				50	
Carbazole	BRL	784	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	784	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	784	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	784	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	784	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	784	µg/kg dry		BRL				50	
Chrysene	BRL	784	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	784	µg/kg dry		BRL				50	
Dibenzofuran	BRL	784	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	784	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	784	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	784	µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	784	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	784	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	784	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	784	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	784	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	784	µg/kg dry		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	784	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	784	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	784	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	784	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	784	µg/kg dry		BRL				50	
Fluoranthene	BRL	784	µg/kg dry		BRL				50	
Fluorene	BRL	784	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	784	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	784	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	784	µg/kg dry		BRL				50	
Hexachloroethane	BRL	784	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	784	µg/kg dry		BRL				50	
Isophorone	BRL	784	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	784	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	784	µg/kg dry		BRL				50	
2-Methylphenol	BRL	784	µg/kg dry		BRL				50	
4-Methylphenol	BRL	784	µg/kg dry		BRL				50	
Naphthalene	BRL	784	µg/kg dry		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Duplicate (5090338-DUP1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
2-Nitroaniline	BRL	784	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	784	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	3140	µg/kg dry		BRL				50	
Nitrobenzene	BRL	784	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	784	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	3140	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	784	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	784	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	784	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	3140	µg/kg dry		BRL				50	
Phenanthrene	BRL	784	µg/kg dry		BRL				50	
Phenol	BRL	784	µg/kg dry		BRL				50	
Pyrene	BRL	784	µg/kg dry		BRL				50	
Pyridine	BRL	784	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	784	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	784	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	784	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*5520*		µg/kg dry	*7920*		*69.7*	*30-130*			
Surrogate: 2-Fluorophenol	*6490*		µg/kg dry	*7920*		*81.9*	*15-110*			
Surrogate: Nitrobenzene-d5	*5190*		µg/kg dry	*7920*		*65.5*	*30-130*			
Surrogate: Phenol-d5	*7210*		µg/kg dry	*7920*		*91.0*	*15-110*			
Surrogate: Terphenyl-dl4	*8570*		µg/kg dry	*7920*		*108*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5960*		µg/kg dry	*7920*		*75.3*	*15-110*			
Matrix Spike (5090338-MS1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	5180	393	µg/kg dry	7940	BRL	65.2	40-140			
4-Chloro-3-methylphenol	5430	393	µg/kg dry	7940	BRL	68.4	30-130			
2-Chlorophenol	5260	393	µg/kg dry	7940	BRL	66.2	30-130			
1,4-Dichlorobenzene	5450	393	µg/kg dry	7940	BRL	68.6	40-140			
2,4-Dinitrotoluene	4790	393	µg/kg dry	7940	BRL	60.3	40-140			
4-Nitrophenol	3860	1570	µg/kg dry	7940	BRL	48.6	30-130			
N-Nitrosodi-n-propylamine	6670	393	µg/kg dry	7940	BRL	84.0	40-140			
Pentachlorophenol	5350	1570	µg/kg dry	7940	BRL	67.4	30-130			
Phenol	4650	393	µg/kg dry	7940	BRL	58.6	30-130			
Pyrene	4960	393	µg/kg dry	7940	BRL	62.5	40-140			
1,2,4-Trichlorobenzene	5180	393	µg/kg dry	7940	BRL	65.2	40-140			
Surrogate: 2-Fluorobiphenyl	*5340*		µg/kg dry	*7940*		*67.3*	*30-130*			
Surrogate: 2-Fluorophenol	*3850*		µg/kg dry	*7940*		*48.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*5390*		µg/kg dry	*7940*		*67.9*	*30-130*			
Surrogate: Phenol-d5	*3800*		µg/kg dry	*7940*		*47.9*	*15-110*			
Surrogate: Terphenyl-dl4	*5200*		µg/kg dry	*7940*		*65.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4840*		µg/kg dry	*7940*		*61.0*	*15-110*			
Matrix Spike Dup (5090338-MSD1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Acenaphthene	5690	403	µg/kg dry	8150	BRL	69.8	40-140	6.81	30	
4-Chloro-3-methylphenol	5870	403	µg/kg dry	8150	BRL	72.0	30-130	5.13	30	
2-Chlorophenol	5640	403	µg/kg dry	8150	BRL	69.2	30-130	4.43	30	
1,4-Dichlorobenzene	5930	403	µg/kg dry	8150	BRL	72.8	40-140	5.94	30	
2,4-Dinitrotoluene	5560	403	µg/kg dry	8150	BRL	68.2	40-140	12.3	30	
4-Nitrophenol	4410	1610	µg/kg dry	8150	BRL	54.1	30-130	10.7	30	
N-Nitrosodi-n-propylamine	7060	403	µg/kg dry	8150	BRL	86.6	40-140	3.05	30	
Pentachlorophenol	5910	1610	µg/kg dry	8150	BRL	72.5	30-130	7.29	30	
Phenol	4980	403	µg/kg dry	8150	BRL	61.1	30-130	4.18	30	
Pyrene	5500	403	µg/kg dry	8150	BRL	67.5	40-140	7.69	30	
1,2,4-Trichlorobenzene	5510	403	µg/kg dry	8150	BRL	67.6	40-140	3.61	30	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090338 - SW846 3545A										
Matrix Spike Dup (5090338-MSD1)		**Source: SA33418-01**		Prepared: 07-Sep-05 Analyzed: 08-Sep-05						
Surrogate: 2-Fluorobiphenyl	*5560*		µg/kg dry	*8150*		*68.2*	*30-130*			
Surrogate: 2-Fluorophenol	*3970*		µg/kg dry	*8150*		*48.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*5610*		µg/kg dry	*8150*		*68.8*	*30-130*			
Surrogate: Phenol-d5	*3910*		µg/kg dry	*8150*		*48.0*	*15-110*			
Surrogate: Terphenyl-dl4	*5540*		µg/kg dry	*8150*		*68.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5020*		µg/kg dry	*8150*		*61.6*	*15-110*			
Batch 5090908 - SW846 1312										
Blank (5090908-BLK1)				Prepared & Analyzed: 14-Sep-05						
SPLP Extraction	Completed		N/A							
Batch 5090949 - SW846 3535										
Blank (5090949-BLK1)				Prepared & Analyzed: 15-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Aniline	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l							
Benzidine	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Benzoic acid	BRL	5.00	µg/l							
Benzyl alcohol	BRL	5.00	µg/l							
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l							
Bis(2-chloroethyl)ether	BRL	5.00	µg/l							
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l							
Bis(2-ethylhexyl)phthalate	BRL	5.00	µg/l							
4-Bromophenyl phenyl ether	BRL	5.00	µg/l							
Butyl benzyl phthalate	BRL	5.00	µg/l							
Carbazole	BRL	5.00	µg/l							
4-Chloro-3-methylphenol	BRL	5.00	µg/l							
4-Chloroaniline	BRL	5.00	µg/l							
2-Chloronaphthalene	BRL	5.00	µg/l							
2-Chlorophenol	BRL	5.00	µg/l							
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Dibenzofuran	BRL	5.00	µg/l							
1,2-Dichlorobenzene	BRL	5.00	µg/l							
1,3-Dichlorobenzene	BRL	5.00	µg/l							
1,4-Dichlorobenzene	BRL	5.00	µg/l							
3,3'-Dichlorobenzidine	BRL	5.00	µg/l							
2,4-Dichlorophenol	BRL	5.00	µg/l							
Diethyl phthalate	BRL	5.00	µg/l							
Dimethyl phthalate	BRL	5.00	µg/l							
2,4-Dimethylphenol	BRL	5.00	µg/l							
Di-n-butyl phthalate	BRL	5.00	µg/l							
4,6-Dinitro-2-methylphenol	BRL	5.00	µg/l							
2,4-Dinitrophenol	BRL	5.00	µg/l							
4-Dinitrotoluene	BRL	5.00	µg/l							
2,6-Dinitrotoluene	BRL	5.00	µg/l							
Di-n-octyl phthalate	BRL	5.00	µg/l							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090949 - SW846 3535										
Blank (5090949-BLK1)				Prepared & Analyzed: 15-Sep-05						
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Hexachlorobenzene	BRL	5.00	µg/l							
Hexachlorobutadiene	BRL	5.00	µg/l							
Hexachlorocyclopentadiene	BRL	5.00	µg/l							
Hexachloroethane	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
Isophorone	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylphenol	BRL	5.00	µg/l							
3,4-Methylphenol	BRL	10.0	µg/l							
Naphthalene	BRL	5.00	µg/l							
2-Nitroaniline	BRL	5.00	µg/l							
3-Nitroaniline	BRL	5.00	µg/l							
4-Nitroaniline	BRL	5.00	µg/l							
Nitrobenzene	BRL	5.00	µg/l							
2-Nitrophenol	BRL	5.00	µg/l							
4-Nitrophenol	BRL	5.00	µg/l							
N-Nitrosodimethylamine	BRL	5.00	µg/l							
N-Nitrosodi-n-propylamine	BRL	5.00	µg/l							
N-Nitrosodiphenylamine	BRL	5.00	µg/l							
Pentachlorophenol	BRL	5.00	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Phenol	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Pyridine	BRL	5.00	µg/l							
1,2,4-Trichlorobenzene	BRL	5.00	µg/l							
2,4,5-Trichlorophenol	BRL	5.00	µg/l							
2,4,6-Trichlorophenol	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*297*		µg/l	*400*		*74.2*	*30-130*			
Surrogate: 2-Fluorophenol	*342*		µg/l	*400*		*85.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*324*		µg/l	*400*		*81.0*	*30-130*			
Surrogate: Phenol-d5	*317*		µg/l	*400*		*79.2*	*15-110*			
Surrogate: Terphenyl-dl4	*306*		µg/l	*400*		*76.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*326*		µg/l	*400*		*81.5*	*15-110*			
LCS (5090949-BS1)				Prepared & Analyzed: 15-Sep-05						
Acenaphthene	290	5.00	µg/l	400		72.5	40-140			
Acenaphthylene	302	5.00	µg/l	400		75.5	40-140			
Aniline	325	5.00	µg/l	400		81.2	40-140			
Anthracene	308	5.00	µg/l	400		77.0	40-140			
Azobenzene/Diphenyldiazine	258	5.00	µg/l	400		64.5	40-140			
Benzidine	526	5.00	µg/l	400		132	40-140			
Benzo (a) anthracene	331	5.00	µg/l	400		82.8	40-140			
Benzo (a) pyrene	322	5.00	µg/l	400		80.5	40-140			
Benzo (b) fluoranthene	381	5.00	µg/l	400		95.2	40-140			
Benzo (g,h,i) perylene	149	5.00	µg/l	400		37.2	40-140			QC-2
Benzo (k) fluoranthene	356	5.00	µg/l	400		89.0	40-140			
Benzoic acid	335	5.00	µg/l	400		83.8	30-130			
Benzyl alcohol	326	5.00	µg/l	400		81.5	40-140			
Bis(2-chloroethoxy)methane	286	5.00	µg/l	400		71.5	40-140			
Bis(2-chloroethyl)ether	276	5.00	µg/l	400		69.0	40-140			
Bis(2-chloroisopropyl)ether	277	5.00	µg/l	400		69.2	40-140			
Bis(2-ethylhexyl)phthalate	319	5.00	µg/l	400		79.8	40-140			
4-Bromophenyl phenyl ether	307	5.00	µg/l	400		76.8	40-140			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090949 - SW846 3535									
LCS (5090949-BS1)			Prepared & Analyzed: 15-Sep-05						
Butyl benzyl phthalate	331	5.00 µg/l	400		82.8	40-140			
Carbazole	313	5.00 µg/l	400		78.2	40-140			
4-Chloro-3-methylphenol	346	5.00 µg/l	400		86.5	30-130			
4-Chloroaniline	277	5.00 µg/l	400		69.2	40-140			
2-Chloronaphthalene	287	5.00 µg/l	400		71.8	40-140			
2-Chlorophenol	285	5.00 µg/l	400		71.2	30-130			
4-Chlorophenyl phenyl ether	302	5.00 µg/l	400		75.5	40-140			
Chrysene	307	5.00 µg/l	400		76.8	40-140			
Dibenzo (a,h) anthracene	168	5.00 µg/l	400		42.0	40-140			
Dibenzofuran	286	5.00 µg/l	400		71.5	40-140			
1,2-Dichlorobenzene	264	5.00 µg/l	400		66.0	40-140			
1,3-Dichlorobenzene	262	5.00 µg/l	400		65.5	40-140			
1,4-Dichlorobenzene	266	5.00 µg/l	400		66.5	40-140			
3,3'-Dichlorobenzidine	278	5.00 µg/l	400		69.5	40-140			
2,4-Dichlorophenol	316	5.00 µg/l	400		79.0	30-130			
Diethyl phthalate	327	5.00 µg/l	400		81.8	40-140			
Dimethyl phthalate	314	5.00 µg/l	400		78.5	40-140			
2,4-Dimethylphenol	323	5.00 µg/l	400		80.8	30-130			
Di-n-butyl phthalate	323	5.00 µg/l	400		80.8	40-140			
4,6-Dinitro-2-methylphenol	397	5.00 µg/l	400		99.2	30-130			
2,4-Dinitrophenol	709	5.00 µg/l	400		177	30-130			QC-2
2,4-Dinitrotoluene	342	5.00 µg/l	400		85.5	40-140			
2,6-Dinitrotoluene	337	5.00 µg/l	400		84.2	40-140			
Di-n-octyl phthalate	449	5.00 µg/l	400		112	40-140			
Fluoranthene	356	5.00 µg/l	400		89.0	40-140			
Fluorene	300	5.00 µg/l	400		75.0	40-140			
Hexachlorobenzene	303	5.00 µg/l	400		75.8	40-140			
Hexachlorobutadiene	266	5.00 µg/l	400		66.5	40-140			
Hexachlorocyclopentadiene	283	5.00 µg/l	400		70.8	40-140			
Hexachloroethane	262	5.00 µg/l	400		65.5	40-140			
Indeno (1,2,3-cd) pyrene	162	5.00 µg/l	400		40.5	40-140			
Isophorone	296	5.00 µg/l	400		74.0	40-140			
2-Methylnaphthalene	288	5.00 µg/l	400		72.0	40-140			
2-Methylphenol	310	5.00 µg/l	400		77.5	40-140			
3,4-Methylphenol	293	10.0 µg/l	400		73.2	40-130			
Naphthalene	273	5.00 µg/l	400		68.2	40-140			
2-Nitroaniline	299	5.00 µg/l	400		74.8	40-140			
3-Nitroaniline	293	5.00 µg/l	400		73.2	40-140			
4-Nitroaniline	303	5.00 µg/l	400		75.8	40-140			
Nitrobenzene	277	5.00 µg/l	400		69.2	40-140			
2-Nitrophenol	313	5.00 µg/l	400		78.2	30-130			
4-Nitrophenol	333	5.00 µg/l	400		83.2	30-130			
N-Nitrosodimethylamine	165	5.00 µg/l	400		41.2	40-140			
N-Nitrosodi-n-propylamine	282	5.00 µg/l	400		70.5	40-140			
N-Nitrosodiphenylamine	308	5.00 µg/l	400		77.0	40-140			
Pentachlorophenol	367	5.00 µg/l	400		91.8	30-130			
Phenanthrene	293	5.00 µg/l	400		73.2	40-140			
Phenol	309	5.00 µg/l	400		77.2	30-130			
Pyrene	281	5.00 µg/l	400		70.2	40-140			
Pyridine	251	5.00 µg/l	400		62.8	40-140			
1,2,4-Trichlorobenzene	274	5.00 µg/l	400		68.5	40-140			
2,4,5-Trichlorophenol	335	5.00 µg/l	400		83.8	30-130			
2,4,6-Trichlorophenol	317	5.00 µg/l	400		79.2	30-130			
Surrogate: 2-Fluorobiphenyl	*262*	µg/l	*400*		*65.5*	*30-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090949 - SW846 3535										
LCS (5090949-BS1)				Prepared & Analyzed: 15-Sep-05						
Surrogate: 2-Fluorophenol	*222*		µg/l	*400*		*55.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*252*		µg/l	*400*		*63.0*	*30-130*			
Surrogate: Phenol-d5	*198*		µg/l	*400*		*49.5*	*15-110*			
Surrogate: Terphenyl-dl4	*269*		µg/l	*400*		*67.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*305*		µg/l	*400*		*76.2*	*15-110*			
Duplicate (5090949-DUP1)		**Source: SA34039-01**		Prepared & Analyzed: 15-Sep-05						
Acenaphthene	BRL	5.00	µg/l		BRL				50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Aniline	BRL	5.00	µg/l		BRL				50	
Anthracene	BRL	5.00	µg/l		BRL				50	
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l		BRL				50	
Benzidine	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzoic acid	BRL	5.00	µg/l		BRL				50	
Benzyl alcohol	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroethyl)ether	BRL	5.00	µg/l		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l		BRL				50	
Bis(2-ethylhexyl)phthalate	47.5	5.00	µg/l		BRL				50	
4-Bromophenyl phenyl ether	BRL	5.00	µg/l		BRL				50	
Butyl benzyl phthalate	BRL	5.00	µg/l		BRL				50	
Carbazole	BRL	5.00	µg/l		BRL				50	
4-Chloro-3-methylphenol	BRL	5.00	µg/l		BRL				50	
4-Chloroaniline	BRL	5.00	µg/l		BRL				50	
2-Chloronaphthalene	BRL	5.00	µg/l		BRL				50	
2-Chlorophenol	BRL	5.00	µg/l		BRL				50	
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Dibenzofuran	BRL	5.00	µg/l		BRL				50	
1,2-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
1,3-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
1,4-Dichlorobenzene	BRL	5.00	µg/l		BRL				50	
3,3'-Dichlorobenzidine	BRL	5.00	µg/l		BRL				50	
2,4-Dichlorophenol	BRL	5.00	µg/l		BRL				50	
Diethyl phthalate	BRL	5.00	µg/l		BRL				50	
Dimethyl phthalate	BRL	5.00	µg/l		BRL				50	
2,4-Dimethylphenol	BRL	5.00	µg/l		BRL				50	
Di-n-butyl phthalate	BRL	5.00	µg/l		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	5.00	µg/l		BRL				50	
2,4-Dinitrophenol	BRL	5.00	µg/l		BRL				50	
2,4-Dinitrotoluene	BRL	5.00	µg/l		BRL				50	
2,6-Dinitrotoluene	BRL	5.00	µg/l		BRL				50	
Di-n-octyl phthalate	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	BRL	5.00	µg/l		BRL				50	
Hexachlorobenzene	BRL	5.00	µg/l		BRL				50	
Hexachlorobutadiene	BRL	5.00	µg/l		BRL				50	
Hexachlorocyclopentadiene	BRL	5.00	µg/l		BRL				50	
Hexachloroethane	BRL	5.00	µg/l		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090949 - SW846 3535									
Duplicate (5090949-DUP1)		**Source: SA34039-01**	Prepared & Analyzed: 15-Sep-05						
Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l		BRL				50	
Isophorone	BRL	5.00 µg/l		BRL				50	
2-Methylnaphthalene	BRL	5.00 µg/l		BRL				50	
2-Methylphenol	BRL	5.00 µg/l		BRL				50	
3,4-Methylphenol	BRL	10.0 µg/l		BRL				50	
Naphthalene	BRL	5.00 µg/l		BRL				50	
2-Nitroaniline	BRL	5.00 µg/l		BRL				50	
3-Nitroaniline	BRL	5.00 µg/l		BRL				50	
4-Nitroaniline	BRL	5.00 µg/l		BRL				50	
Nitrobenzene	BRL	5.00 µg/l		BRL				50	
2-Nitrophenol	BRL	5.00 µg/l		BRL				50	
4-Nitrophenol	BRL	5.00 µg/l		BRL				50	
N-Nitrosodimethylamine	BRL	5.00 µg/l		BRL				50	
N-Nitrosodi-n-propylamine	BRL	5.00 µg/l		BRL				50	
N-Nitrosodiphenylamine	BRL	5.00 µg/l		BRL				50	
Pentachlorophenol	BRL	5.00 µg/l		BRL				50	
Phenanthrene	BRL	5.00 µg/l		BRL				50	
Phenol	BRL	5.00 µg/l		BRL				50	
Pyrene	BRL	5.00 µg/l		BRL				50	
Pyridine	BRL	5.00 µg/l		BRL				50	
1,2,4-Trichlorobenzene	BRL	5.00 µg/l		BRL				50	
2,4,5-Trichlorophenol	BRL	5.00 µg/l		BRL				50	
2,4,6-Trichlorophenol	BRL	5.00 µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*299*	µg/l	*400*		*74.8*	*30-130*			
Surrogate: 2-Fluorophenol	*314*	µg/l	*400*		*78.5*	*15-110*			
Surrogate: Nitrobenzene-d5	*297*	µg/l	*400*		*74.2*	*30-130*			
Surrogate: Phenol-d5	*278*	µg/l	*400*		*69.5*	*15-110*			
Surrogate: Terphenyl-dl4	*286*	µg/l	*400*		*71.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*282*	µg/l	*400*		*70.5*	*15-110*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090372 - EPA200/SW7000 Series									
Blank (5090372-BLK1)			Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	BRL	0.179 mg/kg wet							
LCS (5090372-BS1)			Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	0.913	0.179 mg/kg wet	0.893		102	80-120			
Duplicate (5090372-DUP1)		**Source: SA33618-02**	Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	0.493	0.188 mg/kg dry		0.488			1.02	35	
Matrix Spike (5090372-MS1)		**Source: SA33625-06**	Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	0.479	0.188 mg/kg dry	0.438	BRL	109	75-125			
Matrix Spike Dup (5090372-MSD1)		**Source: SA33625-06**	Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	0.459	0.172 mg/kg dry	0.401	BRL	114	75-125	4.26	35	
Reference (5090372-SRM1)			Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Mercury	1.29	0.179 mg/kg wet	1.32		97.7	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090371 - EPA 200 Series										
Blank (5090371-BLK1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	BRL	2.00	mg/kg wet							
Selenium	BRL	3.00	mg/kg wet							
Antimony	BRL	3.00	mg/kg wet							
Nickel	BRL	1.00	mg/kg wet							
Zinc	BRL	6.00	mg/kg wet							
Vanadium	BRL	1.00	mg/kg wet							
Thallium	BRL	3.00	mg/kg wet							
Lead	BRL	1.50	mg/kg wet							
Copper	BRL	1.00	mg/kg wet							
Chromium	BRL	1.00	mg/kg wet							
Cadmium	BRL	0.500	mg/kg wet							
Beryllium	BRL	0.400	mg/kg wet							
Arsenic	BRL	3.00	mg/kg wet							
Barium	BRL	1.00	mg/kg wet							
LCS (5090371-BS1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Antimony	94.6	3.00	mg/kg wet	100		94.6	85-115			
Nickel	92.9	1.00	mg/kg wet	100		92.9	85-115			
Silver	49.4	2.00	mg/kg wet	50.0		98.8	85-115			
Zinc	97.2	1.00	mg/kg wet	100		97.2	85-115			
Vanadium	96.0	1.00	mg/kg wet	100		96.0	85-115			
Thallium	88.6	3.00	mg/kg wet	100		88.6	85-115			
Selenium	87.7	3.00	mg/kg wet	100		87.7	85-115			
Arsenic	87.5	3.00	mg/kg wet	100		87.5	85-115			
Beryllium	86.8	0.400	mg/kg wet	100		86.8	85-115			
Cadmium	86.7	0.500	mg/kg wet	100		86.7	85-115			
Copper	87.4	1.00	mg/kg wet	100		87.4	85-115			
Lead	90.1	1.50	mg/kg wet	100		90.1	85-115			
Chromium	88.3	1.00	mg/kg wet	100		88.3	85-115			
Barium	88.6	1.00	mg/kg wet	100		88.6	85-115			
Duplicate (5090371-DUP1)		**Source: SA33618-02**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Nickel	16.9	0.556	mg/kg dry		12.8			27.6	35	
Vanadium	14.4	0.556	mg/kg dry		12.3			15.7	35	
Thallium	BRL	1.67	mg/kg dry		BRL				35	
Silver	BRL	1.11	mg/kg dry		BRL				35	
Selenium	BRL	1.67	mg/kg dry		BRL				35	
Zinc	1180	0.556	mg/kg dry		946			22.0	35	
Antimony	BRL	1.67	mg/kg dry		BRL				35	
Beryllium	0.278	0.222	mg/kg dry		0.262			5.93	35	
Copper	279	0.556	mg/kg dry		244			13.4	35	
Chromium	22.7	0.556	mg/kg dry		15.9			35.2	35	QR-05
Cadmium	BRL	0.973	mg/kg dry		0.837			0.359	35	
Arsenic	32.9	1.67	mg/kg dry		30.6			7.24	35	
Lead	488	0.834	mg/kg dry		425			13.8	35	
Barium	63.0	0.556	mg/kg dry		46.5			30.1	35	
Matrix Spike (5090371-MS1)		**Source: SA33625-06**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Thallium	49.8	1.57	mg/kg dry	52.3	1.34	92.7	70-130			
Nickel	58.6	0.523	mg/kg dry	52.3	9.96	93.0	70-130			
Selenium	42.9	1.57	mg/kg dry	52.3	BRL	82.0	70-130			
Silver	22.6	1.05	mg/kg dry	26.2	BRL	86.3	70-130			
Vanadium	55.2	0.523	mg/kg dry	52.3	8.31	89.7	70-130			
Zinc	72.4	0.523	mg/kg dry	52.3	24.6	91.4	70-130			
Antimony	37.0	1.57	mg/kg dry	52.3	BRL	70.7	70-130			
Arsenic	51.4	1.57	mg/kg dry	52.3	2.23	94.0	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090371 - EPA 200 Series										
Matrix Spike (5090371-MS1)		**Source: SA33625-06**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Lead	62.1	0.785	mg/kg dry	52.3	9.99	99.6	70-130			
Chromium	54.0	0.523	mg/kg dry	52.3	6.36	91.1	70-130			
Cadmium	46.9	0.262	mg/kg dry	52.3	BRL	89.7	70-130			
Beryllium	49.2	0.209	mg/kg dry	52.3	0.276	93.5	70-130			
Copper	64.4	0.523	mg/kg dry	52.3	13.7	96.9	70-130			
Barium	67.4	0.523	mg/kg dry	52.3	19.3	92.0	70-130			
Matrix Spike Dup (5090371-MSD1)		**Source: SA33625-06**		Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Vanadium	57.4	0.525	mg/kg dry	52.5	8.31	93.5	70-130	3.91	35	
Zinc	80.6	0.525	mg/kg dry	52.5	24.6	107	70-130	10.7	35	
Thallium	50.3	1.57	mg/kg dry	52.5	1.34	93.3	70-130	0.999	35	
Selenium	45.9	1.57	mg/kg dry	52.5	BRL	87.4	70-130	6.76	35	
Antimony	35.8	1.57	mg/kg dry	52.5	BRL	68.2	70-130	3.30	35	QM-07
Nickel	60.5	0.525	mg/kg dry	52.5	9.96	96.3	70-130	3.19	35	
Silver	22.9	1.05	mg/kg dry	26.2	BRL	87.4	70-130	1.32	35	
Cadmium	47.3	0.262	mg/kg dry	52.5	BRL	90.1	70-130	0.849	35	
Arsenic	50.7	1.57	mg/kg dry	52.5	2.23	92.3	70-130	1.37	35	
Copper	67.9	0.525	mg/kg dry	52.5	13.7	103	70-130	5.29	35	
Lead	83.0	0.787	mg/kg dry	52.5	9.99	139	70-130	28.8	35	QM-07
Beryllium	49.5	0.210	mg/kg dry	52.5	0.276	93.8	70-130	0.608	35	
Chromium	56.7	0.525	mg/kg dry	52.5	6.36	95.9	70-130	4.88	35	
Barium	70.2	0.525	mg/kg dry	52.5	19.3	97.0	70-130	4.07	35	
Reference (5090371-SRM1)				Prepared: 08-Sep-05 Analyzed: 09-Sep-05						
Silver	24.6	2.00	mg/kg wet	24.9		98.8	85-115			
Vanadium	56.2	1.00	mg/kg wet	60.9		92.3	85-115			
Thallium	49.2	3.00	mg/kg wet	51.6		95.3	85-115			
Selenium	107	3.00	mg/kg wet	108		99.1	85-115			
Zinc	556	1.00	mg/kg wet	614		90.6	85-115			
Cadmium	101	0.500	mg/kg wet	110		91.8	85-115			
Copper	56.6	1.00	mg/kg wet	64.4		87.9	85-115			
Lead	118	1.50	mg/kg wet	121		97.5	85-115			
Arsenic	68.8	3.00	mg/kg wet	68.5		100	85-115			
Beryllium	2.47	0.400	mg/kg wet	2.33		106	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090907 - SW846 1312										
Blank (5090907-BLK1)				Prepared & Analyzed: 14-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5090973 - SW846 3010A										
Blank (5090973-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	BRL	0.0025	mg/l							
Antimony	BRL	0.0060	mg/l							
Vanadium	BRL	0.0025	mg/l							
Lead	BRL	0.0038	mg/l							
Copper	BRL	0.0060	mg/l							
Silver	BRL	0.0050	mg/l							
Chromium	BRL	0.0025	mg/l							
LCS (5090973-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	0.456	0.0025	mg/l	0.500		91.2	85-115			
Lead	0.433	0.0038	mg/l	0.500		86.6	85-115			
Antimony	0.472	0.0120	mg/l	0.500		94.4	85-115			
Vanadium	0.439	0.0025	mg/l	0.500		87.8	85-115			
Copper	0.477	0.0025	mg/l	0.500		95.4	85-115			
Chromium	0.449	0.0025	mg/l	0.500		89.8	85-115			
Silver	0.247	0.0100	mg/l	0.250		98.8	85-115			
LCS Dup (5090973-BSD1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Vanadium	0.439	0.0025	mg/l	0.500		87.8	85-115	0.00	20	
Nickel	0.452	0.0025	mg/l	0.500		90.4	85-115	0.881	20	
Lead	0.434	0.0038	mg/l	0.500		86.8	85-115	0.231	20	
Antimony	0.465	0.0120	mg/l	0.500		93.0	85-115	1.49	20	
Silver	0.244	0.0100	mg/l	0.250		97.6	85-115	1.22	20	
Chromium	0.460	0.0025	mg/l	0.500		92.0	85-115	2.42	20	
Copper	0.482	0.0025	mg/l	0.500		96.4	85-115	1.04	20	
Duplicate (5090973-DUP1)		**Source: SA33623-02**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Vanadium	BRL	0.0050	mg/l		0.0036			20.0	20	
Nickel	BRL	0.0050	mg/l		0.0084			56.5	20	QR-04
Lead	0.0272	0.0075	mg/l		0.0312			13.7	20	
Antimony	0.0383	0.0120	mg/l		0.0380			0.786	20	
Chromium	BRL	0.0050	mg/l		BRL				20	
Copper	BRL	0.0500	mg/l		0.0491			5.01	20	
Silver	0.0120	0.0100	mg/l		0.0144			18.2	20	
Matrix Spike (5090973-MS1)		**Source: SA32706-21**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	0.436	0.0025	mg/l	0.500	BRL	87.2	75-125			
Lead	0.402	0.0038	mg/l	0.500	BRL	80.4	75-125			
Antimony	0.374	0.0060	mg/l	0.500	0.0024	74.3	75-125			QM-07
Vanadium	0.439	0.0025	mg/l	0.500	0.0117	85.5	75-125			
Chromium	0.435	0.0025	mg/l	0.500	0.0054	85.9	75-125			
Copper	0.465	0.0025	mg/l	0.500	0.0049	92.0	75-125			
Silver	0.184	0.0050	mg/l	0.250	BRL	73.6	75-125			QM-07
Matrix Spike Dup (5090973-MSD1)		**Source: SA32706-21**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	0.441	0.0025	mg/l	0.500	BRL	88.2	75-125	1.14	20	
Vanadium	0.438	0.0025	mg/l	0.500	0.0117	85.3	75-125	0.228	20	
Antimony	0.378	0.0060	mg/l	0.500	0.0024	75.1	75-125	1.06	20	
Lead	0.410	0.0038	mg/l	0.500	BRL	82.0	75-125	1.97	20	
Silver	0.186	0.0050	mg/l	0.250	BRL	74.4	75-125	1.08	20	QM-07
Copper	0.467	0.0025	mg/l	0.500	0.0049	92.4	75-125	0.429	20	
Chromium	0.435	0.0025	mg/l	0.500	0.0054	85.9	75-125	0.00	20	
Batch 5090974 - EPA200/SW7000 Series										

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090974 - EPA200/SW7000 Series									
Blank (5090974-BLK1)			Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	BRL	0.00040 mg/l							
LCS (5090974-BS1)			Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.00238	0.00040 mg/l	0.00250		95.2	80-120			
Duplicate (5090974-DUP1)		**Source: SA33623-02**	Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.00112	0.00040 mg/l		0.00123			9.36	35	
Matrix Spike (5090974-MS1)		**Source: SA32706-21**	Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.00278	0.00040 mg/l	0.00250	BRL	111	75-125			
Matrix Spike Dup (5090974-MSD1)		**Source: SA32706-21**	Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.00257	0.00040 mg/l	0.00250	BRL	103	75-125	7.85	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090455 - General Preparation									
Blank (5090455-BLK1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
Blank (5090455-BLK2)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5090455-BS1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	31.1	1.00 mg/kg wet	30.0		104	90-110			
LCS (5090455-BS2)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	29.7	1.00 mg/kg wet	30.0		99.0	90-110			
Reference (5090455-SRM1)			Prepared & Analyzed: 07-Sep-05						
Cyanide (total)	36.8	1.00 mg/kg wet	25.9		142	40-160			
Batch 5090479 - General Preparation									
Duplicate (5090479-DUP1)		**Source: SA33688-01**	Prepared & Analyzed: 08-Sep-05						
% Solids	89.3	%		89.2			0.112	20	

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33623-01 SA33623-02 SA33623-03 SA33623-04 SA33623-05 SA33623-06 SA33623-07 SA33623-08	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C SW846 9012A VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☐ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/19/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 33676 5 MM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

IW#50124602 (P)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TA
- All TATs subject to laboratory approval Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield, CEE, 100 Shield Street, W. Hartford, CT
P.O. No.: 06110
David Ringquist, CT DEP, 79 Elm St., Hartford, CT
RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP - Meriden - HUB
Location: East Main and State Streets, Meriden, CT
State:
Sampler(s): JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic Bgs	ETPH CT Method	VOCs 5035/8260	SVOCs 8270	PAHs Only 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals +	Total Cu, Ni, Zn +	Total Sb, Be, Tl, Vn	VOCs 8260	
336076-01	JTP050906-101	9-6-05	9:05	G	S	8,9	3	[illegible]		1		X									* additional
-02	JTP050906-103		9:30	G	S		3					X									bgs added
-03	JTP050906-105		9:55	G	S		3					X									for samples
-04	JTP050906-108		10:25	G	S		3					X									-91
-05	JTP050906-112		11:30	G	S		3					X									-96
-06	JTP050906-114		11:55	G	S		3					X									-93 JTP CEE
-07	JTP050906-116		13:10	G	S		3					X									-98
-08	JTP050906-117		13:30	G	S		3					X									
-09	JTP050906-110		11:05	G	S		3					X									
-10	JTP050906-119		14:45	G	W	2	2													X	
-11	JTP050906-120		15:10	G	W	2	2														

☐ Fax results when available to (____)
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9-7-05	1335
[signature]	[signature]	9/7/05	320

AOC-9 and AOC-10 in cooler

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
12-Sep-05 16:47

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33676-01	JTP050906-101	Soil	06-Sep-05 09:05	07-Sep-05 15:20
SA33676-02	JTP050906-103	Soil	06-Sep-05 09:30	07-Sep-05 15:20
SA33676-03	JTP050906-105	Soil	06-Sep-05 09:55	07-Sep-05 15:20
SA33676-04	JTP050906-108	Soil	06-Sep-05 10:25	07-Sep-05 15:20
SA33676-05	JTP050906-112	Soil	06-Sep-05 11:30	07-Sep-05 15:20
SA33676-06	JTP050906-114	Soil	06-Sep-05 11:55	07-Sep-05 15:20
SA33676-07	JTP050906-116	Soil	06-Sep-05 13:10	07-Sep-05 15:20
SA33676-08	JTP050906-117	Soil	06-Sep-05 13:30	07-Sep-05 15:20
SA33676-09	JTP050906-110	Soil	06-Sep-05 11:05	07-Sep-05 15:20
SA33676-10	JTP050906-119	Water	06-Sep-05 14:45	07-Sep-05 15:20
SA33676-11	JTP050906-120	Water	06-Sep-05 15:10	07-Sep-05 15:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 38 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-101 SA33676-01	CEE Project #2005.045	Soil	06-Sep-05 09:05	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
67-64-1	Acetone	BRL	721 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	361 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	180 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	361 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-101 SA33676-01	CEE Project #2005.045	Soil	06-Sep-05 09:05	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
1634-04-4	Methyl tert-butyl ether	BRL	36.1 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	361 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	361 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	144 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	72.1 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	36.1 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	93.3	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-103 SA33676-02	CEE Project #2005.045	Soil	06-Sep-05 09:30	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC8
67-64-1	Acetone	BRL	1250 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	125 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	624 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	312 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	125 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	125 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	125 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	125 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	624 µg/kg dry	50	"	"	"	"	"	
82-8	Isopropylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-103 SA33676-02	CEE Project #2005.045	Soil	06-Sep-05 09:30	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method		SW846 5030 Soil (high level)					VOC8
1634-04-4	Methyl tert-butyl ether	BRL	62.4 µg/kg dry	50	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	624 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	624 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	93.7 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	125 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	62.4 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	84.0	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-105 SA33676-03	CEE Project #2005.045	Soil	06-Sep-05 09:55	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
67-64-1	Acetone	BRL	109 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	54.6 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	27.3 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
[illegible]-12-8	1,2-Dibromo-3-chloropropane	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	54.6 µg/kg dry	1	"	"	"	"	"	
[illegible]-82-8	Isopropylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-105 SA33676-03	CEE Project #2005.045	Soil	06-Sep-05 09:55	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
1634-04-4	Methyl tert-butyl ether	BRL	5.5 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	54.6 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	54.6 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	10.9 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*92.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.2	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

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* Reportable Detection Limit BRL = Below Reporting Limit

JTP050906-108	Client Project #	Matrix	Collection Date/Time	Received
SA33676-04	CEE Project #2005.045	Soil	06-Sep-05 10:25	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	10000 µg/kg dry	500	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	500 µg/kg dry	500	"	"	"	"	"	
71-43-2	Benzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-25-2	Bromoform	BRL	500 µg/kg dry	500	"	"	"	"	"	
74-83-9	Bromomethane	BRL	1000 µg/kg dry	500	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	5000 µg/kg dry	500	"	"	"	"	"	
104-51-8	n-Butylbenzene	750	500 µg/kg dry	500	"	"	"	"	"	
135-98-8	sec-Butylbenzene	1,010	500 µg/kg dry	500	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	2500 µg/kg dry	500	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	500 µg/kg dry	500	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-00-3	Chloroethane	BRL	1000 µg/kg dry	500	"	"	"	"	"	
67-66-3	Chloroform	BRL	500 µg/kg dry	500	"	"	"	"	"	
74-87-3	Chloromethane	BRL	1000 µg/kg dry	500	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	500 µg/kg dry	500	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	500 µg/kg dry	500	"	"	"	"	"	
[illegible]-12-8	1,2-Dibromo-3-chloropropane	BRL	1000 µg/kg dry	500	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	500 µg/kg dry	500	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1000 µg/kg dry	500	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	500 µg/kg dry	500	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	500 µg/kg dry	500	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	500 µg/kg dry	500	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	500 µg/kg dry	500	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	500 µg/kg dry	500	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	500 µg/kg dry	500	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	500 µg/kg dry	500	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	500 µg/kg dry	500	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	500 µg/kg dry	500	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	500 µg/kg dry	500	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	5000 µg/kg dry	500	"	"	"	"	"	
[illegible]-82-8	Isopropylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	500 µg/kg dry	500	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-108 SA33676-04	CEE Project #2005.045	Soil	06-Sep-05 10:25	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	500 µg/kg dry	500	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5000 µg/kg dry	500	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	5000 µg/kg dry	500	"	"	"	"	"	
91-20-3	Naphthalene	BRL	500 µg/kg dry	500	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
100-42-5	Styrene	BRL	500 µg/kg dry	500	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	500 µg/kg dry	500	"	"	"	"	"	
108-88-3	Toluene	BRL	500 µg/kg dry	500	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	500 µg/kg dry	500	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	500 µg/kg dry	500	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	500 µg/kg dry	500	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	500 µg/kg dry	500	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	500 µg/kg dry	500	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	1000 µg/kg dry	500	"	"	"	"	"	
95-47-6	o-Xylene	BRL	500 µg/kg dry	500	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	82.9	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-112 SA33676-05	CEE Project #2005.045	Soil	06-Sep-05 11:30	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	2590 µg/kg dry	100	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	129 µg/kg dry	100	"	"	"	"	"	
71-43-2	Benzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-25-2	Bromoform	BRL	129 µg/kg dry	100	"	"	"	"	"	
74-83-9	Bromomethane	BRL	259 µg/kg dry	100	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1290 µg/kg dry	100	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	647 µg/kg dry	100	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	129 µg/kg dry	100	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-00-3	Chloroethane	BRL	259 µg/kg dry	100	"	"	"	"	"	
67-66-3	Chloroform	BRL	129 µg/kg dry	100	"	"	"	"	"	
74-87-3	Chloromethane	BRL	259 µg/kg dry	100	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	129 µg/kg dry	100	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	129 µg/kg dry	100	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	259 µg/kg dry	100	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	129 µg/kg dry	100	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	259 µg/kg dry	100	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	129 µg/kg dry	100	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	129 µg/kg dry	100	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	129 µg/kg dry	100	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	129 µg/kg dry	100	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	129 µg/kg dry	100	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	129 µg/kg dry	100	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	129 µg/kg dry	100	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	129 µg/kg dry	100	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	129 µg/kg dry	100	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	129 µg/kg dry	100	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1290 µg/kg dry	100	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
9-87-6	4-Isopropyltoluene	BRL	129 µg/kg dry	100	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-112 SA33676-05	CEE Project #2005.045	Soil	06-Sep-05 11:30	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	129 µg/kg dry	100	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1290 µg/kg dry	100	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1290 µg/kg dry	100	"	"	"	"	"	
91-20-3	Naphthalene	BRL	129 µg/kg dry	100	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
100-42-5	Styrene	BRL	129 µg/kg dry	100	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	129 µg/kg dry	100	"	"	"	"	"	
108-88-3	Toluene	BRL	129 µg/kg dry	100	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	129 µg/kg dry	100	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	129 µg/kg dry	100	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	129 µg/kg dry	100	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	129 µg/kg dry	100	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	129 µg/kg dry	100	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	259 µg/kg dry	100	"	"	"	"	"	
95-47-6	o-Xylene	BRL	129 µg/kg dry	100	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	85.4	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-114 SA33676-06	CEE Project #2005.045	Soil	06-Sep-05 11:55	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	5670 µg/kg dry	200	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	283 µg/kg dry	200	"	"	"	"	"	
71-43-2	Benzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-25-2	Bromoform	BRL	283 µg/kg dry	200	"	"	"	"	"	
74-83-9	Bromomethane	BRL	567 µg/kg dry	200	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	2830 µg/kg dry	200	"	"	"	"	"	
104-51-8	n-Butylbenzene	419	283 µg/kg dry	200	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	1420 µg/kg dry	200	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	283 µg/kg dry	200	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-00-3	Chloroethane	BRL	567 µg/kg dry	200	"	"	"	"	"	
67-66-3	Chloroform	BRL	283 µg/kg dry	200	"	"	"	"	"	
74-87-3	Chloromethane	BRL	567 µg/kg dry	200	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	283 µg/kg dry	200	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	283 µg/kg dry	200	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	567 µg/kg dry	200	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	283 µg/kg dry	200	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	567 µg/kg dry	200	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	283 µg/kg dry	200	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	283 µg/kg dry	200	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	283 µg/kg dry	200	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	283 µg/kg dry	200	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	283 µg/kg dry	200	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	283 µg/kg dry	200	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	283 µg/kg dry	200	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	283 µg/kg dry	200	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	283 µg/kg dry	200	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	283 µg/kg dry	200	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	2830 µg/kg dry	200	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	283 µg/kg dry	200	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-114 SA33676-06	CEE Project #2005.045	Soil	06-Sep-05 11:55	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	283 µg/kg dry	200	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2830 µg/kg dry	200	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	2830 µg/kg dry	200	"	"	"	"	"	
91-20-3	Naphthalene	BRL	283 µg/kg dry	200	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
100-42-5	Styrene	BRL	283 µg/kg dry	200	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	283 µg/kg dry	200	"	"	"	"	"	
108-88-3	Toluene	BRL	283 µg/kg dry	200	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	283 µg/kg dry	200	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	283 µg/kg dry	200	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	283 µg/kg dry	200	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	283 µg/kg dry	200	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	283 µg/kg dry	200	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	567 µg/kg dry	200	"	"	"	"	"	
95-47-6	o-Xylene	BRL	283 µg/kg dry	200	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96.0*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	78.9	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-116 SA33676-07	CEE Project #2005.045	Soil	06-Sep-05 13:10	07-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05, VOC10
67-64-1	Acetone	BRL	18300 µg/kg dry	1000	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
107-13-1	Acrylonitrile	BRL	915 µg/kg dry	1000	"	"	"	"	"	
71-43-2	Benzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-25-2	Bromoform	BRL	915 µg/kg dry	1000	"	"	"	"	"	
74-83-9	Bromomethane	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	9150 µg/kg dry	1000	"	"	"	"	"	
104-51-8	n-Butylbenzene	2,000	915 µg/kg dry	1000	"	"	"	"	"	
135-98-8	sec-Butylbenzene	1,070	915 µg/kg dry	1000	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	4580 µg/kg dry	1000	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	915 µg/kg dry	1000	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-00-3	Chloroethane	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
67-66-3	Chloroform	BRL	915 µg/kg dry	1000	"	"	"	"	"	
74-87-3	Chloromethane	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	915 µg/kg dry	1000	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	9150 µg/kg dry	1000	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	915 µg/kg dry	1000	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-116 SA33676-07	CEE Project #2005.045	Soil	06-Sep-05 13:10	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05, VOC10
1634-04-4	Methyl tert-butyl ether	BRL	915 µg/kg dry	1000	SW846 8260B	08-Sep-05	09-Sep-05	5090536	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	9150 µg/kg dry	1000	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	9150 µg/kg dry	1000	"	"	"	"	"	
91-20-3	Naphthalene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
100-42-5	Styrene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
108-88-3	Toluene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	915 µg/kg dry	1000	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	915 µg/kg dry	1000	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	915 µg/kg dry	1000	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	1830 µg/kg dry	1000	"	"	"	"	"	
95-47-6	o-Xylene	BRL	915 µg/kg dry	1000	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94.2*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	85.4	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-117 SA33676-08	CEE Project #2005.045	Soil	06-Sep-05 13:30	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
67-64-1	Acetone	BRL	165 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	82.5 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	41.2 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	82.5 µg/kg dry	1	"	"	"	"	"	
82-8	Isopropylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-117 SA33676-08	CEE Project #2005.045	Soil	06-Sep-05 13:30	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
1634-04-4	Methyl tert-butyl ether	BRL	8.2 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	82.5 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	82.5 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	16.5 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95.2*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	72.5	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-110 SA33676-09	CEE Project #2005.045	Soil	06-Sep-05 11:05	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	07-Sep-05	07-Sep-05	5090417	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	101 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	50.4 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	25.2 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	50.4 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-110 SA33676-09	CEE Project #2005.045	Soil	06-Sep-05 11:05	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	5.0 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	50.4 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	50.4 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	10.1 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*133*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	81.9	%	1	SM2540 G Mod.	09-Sep-05	09-Sep-05	5090557	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-119 SA33676-10	CEE Project #2005.045	Water	06-Sep-05 14:45	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090656	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-119 SA33676-10	CEE Project #2005.045	Water	06-Sep-05 14:45	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090656	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-120 SA33676-11	CEE Project #2005.045	Water	06-Sep-05 15:10	07-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090656	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050906-120 SA33676-11	CEE Project #2005.045	Water	06-Sep-05 15:10	07-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090656	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*97.4*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
Blank (5090536-BLK1)				Prepared & Analyzed: 09-Sep-05						
Acetone	BRL	20.0	µg/kg wet							
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
Blank (5090536-BLK1)				Prepared & Analyzed: 09-Sep-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/kg wet	*50.0*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.9*		µg/kg wet	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*55.2*		µg/kg wet	*50.0*		*110*	*70-130*			
LCS (5090536-BS1)				Prepared & Analyzed: 09-Sep-05						
Acetone	6.9		µg/kg wet	20.0		34.5	0.663-201			
Acrylonitrile	19.0		µg/kg wet	20.0		95.0	70-130			
Benzene	20.1		µg/kg wet	20.0		100	70-130			
Bromobenzene	20.4		µg/kg wet	20.0		102	70-130			
Bromochloromethane	20.7		µg/kg wet	20.0		104	70-130			
Bromodichloromethane	22.2		µg/kg wet	20.0		111	70-130			
Bromoform	21.0		µg/kg wet	20.0		105	70-130			
Bromomethane	29.7		µg/kg wet	20.0		148	54-151			
2-Butanone (MEK)	11.2		µg/kg wet	20.0		56.0	6.66-154			
n-Butylbenzene	18.4		µg/kg wet	20.0		92.0	70-130			
sec-Butylbenzene	20.9		µg/kg wet	20.0		104	70-130			
tert-Butylbenzene	20.4		µg/kg wet	20.0		102	70-130			
Carbon disulfide	21.8		µg/kg wet	20.0		109	70-130			
Carbon tetrachloride	21.9		µg/kg wet	20.0		110	70-130			
Chlorobenzene	20.2		µg/kg wet	20.0		101	70-130			
Chloroethane	23.3		µg/kg wet	20.0		116	64.5-148			
Chloroform	20.2		µg/kg wet	20.0		101	70-130			
Chloromethane	23.2		µg/kg wet	20.0		116	70-130			
2-Chlorotoluene	21.6		µg/kg wet	20.0		108	70-130			
4-Chlorotoluene	21.3		µg/kg wet	20.0		106	70-130			
1,2-Dibromo-3-chloropropane	21.4		µg/kg wet	20.0		107	70-130			
Dibromochloromethane	21.1		µg/kg wet	20.0		106	52-148			
1,2-Dibromoethane (EDB)	20.5		µg/kg wet	20.0		102	70-130			
Dibromomethane	21.9		µg/kg wet	20.0		110	70-130			
1,2-Dichlorobenzene	20.8		µg/kg wet	20.0		104	70-130			
1,3-Dichlorobenzene	21.6		µg/kg wet	20.0		108	70-130			
1,4-Dichlorobenzene	20.6		µg/kg wet	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	32.1		µg/kg wet	20.0		160	60.6-196			
1,1-Dichloroethane	21.5		µg/kg wet	20.0		108	70-130			
1,2-Dichloroethane	21.8		µg/kg wet	20.0		109	70-130			
1,1-Dichloroethene	20.2		µg/kg wet	20.0		101	70-130			
cis-1,2-Dichloroethene	20.8		µg/kg wet	20.0		104	70-130			
trans-1,2-Dichloroethene	19.5		µg/kg wet	20.0		97.5	70-130			
1,2-Dichloropropane	20.6		µg/kg wet	20.0		103	70-130			
1,3-Dichloropropane	21.5		µg/kg wet	20.0		108	70-130			
2,2-Dichloropropane	19.9		µg/kg wet	20.0		99.5	70-130			
1,1-Dichloropropene	20.1		µg/kg wet	20.0		100	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
LCS (5090536-BS1)				Prepared & Analyzed: 09-Sep-05						
cis-1,3-Dichloropropene	19.2		µg/kg wet	20.0		96.0	70-130			
trans-1,3-Dichloropropene	19.6		µg/kg wet	20.0		98.0	70-130			
Ethylbenzene	19.8		µg/kg wet	20.0		99.0	70-130			
Hexachlorobutadiene	21.2		µg/kg wet	20.0		106	67-154			
2-Hexanone (MBK)	13.0		µg/kg wet	20.0		65.0	70-130			QC-2
Isopropylbenzene	19.5		µg/kg wet	20.0		97.5	70-130			
4-Isopropyltoluene	19.9		µg/kg wet	20.0		99.5	70-130			
Methyl tert-butyl ether	19.2		µg/kg wet	20.0		96.0	70-130			
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet	20.0		86.0	38.8-135			
Methylene chloride	20.2		µg/kg wet	20.0		101	70-130			
Naphthalene	20.5		µg/kg wet	20.0		102	70-130			
n-Propylbenzene	19.9		µg/kg wet	20.0		99.5	70-130			
Styrene	19.4		µg/kg wet	20.0		97.0	70-130			
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130			
1,1,2,2-Tetrachloroethane	22.3		µg/kg wet	20.0		112	70-130			
Tetrachloroethene	19.8		µg/kg wet	20.0		99.0	70-130			
Toluene	19.7		µg/kg wet	20.0		98.5	70-130			
1,2,3-Trichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,2,4-Trichlorobenzene	18.9		µg/kg wet	20.0		94.5	70-130			
1,1,1-Trichloroethane	21.6		µg/kg wet	20.0		108	70-130			
1,1,2-Trichloroethane	21.5		µg/kg wet	20.0		108	70-130			
Trichloroethene	19.9		µg/kg wet	20.0		99.5	70-130			
Trichlorofluoromethane (Freon 11)	26.0		µg/kg wet	20.0		130	66.7-150			
1,2,3-Trichloropropane	21.4		µg/kg wet	20.0		107	70-130			
1,2,4-Trimethylbenzene	20.2		µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	20.1		µg/kg wet	20.0		100	70-130			
Vinyl chloride	26.2		µg/kg wet	20.0		131	70-130			QC-1
m,p-Xylene	40.6		µg/kg wet	40.0		102	70-130			
o-Xylene	21.0		µg/kg wet	20.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*54.1*		µg/kg wet	*50.0*		*108*	*70-130*			
LCS Dup (5090536-BSD1)				Prepared & Analyzed: 09-Sep-05						
Acetone	6.8		µg/kg wet	20.0		34.0	0.663-201	1.46	50	
Acrylonitrile	19.3		µg/kg wet	20.0		96.5	70-130	1.57	25	
Benzene	19.1		µg/kg wet	20.0		95.5	70-130	4.60	25	
Bromobenzene	19.5		µg/kg wet	20.0		97.5	70-130	4.51	25	
Bromochloromethane	20.0		µg/kg wet	20.0		100	70-130	3.92	25	
Bromodichloromethane	21.4		µg/kg wet	20.0		107	70-130	3.67	25	
Bromoform	20.3		µg/kg wet	20.0		102	70-130	2.90	25	
Bromomethane	27.1		µg/kg wet	20.0		136	54-151	8.45	50	
2-Butanone (MEK)	10.5		µg/kg wet	20.0		52.5	6.66-154	6.45	50	
n-Butylbenzene	17.1		µg/kg wet	20.0		85.5	70-130	7.32	25	
sec-Butylbenzene	19.4		µg/kg wet	20.0		97.0	70-130	6.97	25	
tert-Butylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
Carbon disulfide	19.8		µg/kg wet	20.0		99.0	70-130	9.62	25	
Carbon tetrachloride	20.4		µg/kg wet	20.0		102	70-130	7.55	25	
Chlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130	5.08	25	
Chloroethane	21.6		µg/kg wet	20.0		108	64.5-148	7.14	50	
Chloroform	19.1		µg/kg wet	20.0		95.5	70-130	5.60	25	
Chloromethane	21.0		µg/kg wet	20.0		105	70-130	9.95	25	
2-Chlorotoluene	20.4		µg/kg wet	20.0		102	70-130	5.71	25	
4-Chlorotoluene	20.0		µg/kg wet	20.0		100	70-130	5.83	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
LCS Dup (5090536-BSD1)				Prepared & Analyzed: 09-Sep-05						
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet	20.0		103	70-130	3.81	25	
Dibromochloromethane	20.4		µg/kg wet	20.0		102	52-148	3.85	50	
1,2-Dibromoethane (EDB)	19.9		µg/kg wet	20.0		99.5	70-130	2.48	25	
Dibromomethane	21.0		µg/kg wet	20.0		105	70-130	4.65	25	
1,2-Dichlorobenzene	19.7		µg/kg wet	20.0		98.5	70-130	5.43	25	
1,3-Dichlorobenzene	20.5		µg/kg wet	20.0		102	70-130	5.71	25	
1,4-Dichlorobenzene	19.6		µg/kg wet	20.0		98.0	70-130	4.98	25	
Dichlorodifluoromethane (Freon12)	29.7		µg/kg wet	20.0		148	60.6-196	7.79	50	
1,1-Dichloroethane	20.1		µg/kg wet	20.0		100	70-130	7.69	25	
1,2-Dichloroethane	21.3		µg/kg wet	20.0		106	70-130	2.79	25	
1,1-Dichloroethene	18.7		µg/kg wet	20.0		93.5	70-130	7.71	25	
cis-1,2-Dichloroethene	19.9		µg/kg wet	20.0		99.5	70-130	4.42	25	
trans-1,2-Dichloroethene	18.2		µg/kg wet	20.0		91.0	70-130	6.90	25	
1,2-Dichloropropane	19.8		µg/kg wet	20.0		99.0	70-130	3.96	25	
1,3-Dichloropropane	20.8		µg/kg wet	20.0		104	70-130	3.77	25	
2,2-Dichloropropane	18.5		µg/kg wet	20.0		92.5	70-130	7.29	25	
1,1-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130	8.33	25	
cis-1,3-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130	4.26	25	
trans-1,3-Dichloropropene	18.9		µg/kg wet	20.0		94.5	70-130	3.64	25	
Ethylbenzene	18.8		µg/kg wet	20.0		94.0	70-130	5.18	25	
Hexachlorobutadiene	19.3		µg/kg wet	20.0		96.5	67-154	9.38	50	
2-Hexanone (MBK)	12.2		µg/kg wet	20.0		61.0	70-130	6.35	25	QC-2
Isopropylbenzene	18.1		µg/kg wet	20.0		90.5	70-130	7.45	25	
4-Isopropyltoluene	18.5		µg/kg wet	20.0		92.5	70-130	7.29	25	
Methyl tert-butyl ether	18.8		µg/kg wet	20.0		94.0	70-130	2.11	25	
4-Methyl-2-pentanone (MIBK)	16.8		µg/kg wet	20.0		84.0	38.8-135	2.35	50	
Methylene chloride	19.5		µg/kg wet	20.0		97.5	70-130	3.53	25	
Naphthalene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
n-Propylbenzene	18.2		µg/kg wet	20.0		91.0	70-130	8.92	25	
Styrene	18.3		µg/kg wet	20.0		91.5	70-130	5.84	25	
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet	20.0		100	70-130	3.92	25	
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet	20.0		108	70-130	3.64	25	
Tetrachloroethene	18.5		µg/kg wet	20.0		92.5	70-130	6.79	25	
Toluene	18.5		µg/kg wet	20.0		92.5	70-130	6.28	25	
1,2,3-Trichlorobenzene	18.9		µg/kg wet	20.0		94.5	70-130	7.63	25	
1,2,4-Trichlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130	6.56	25	
1,1,1-Trichloroethane	20.1		µg/kg wet	20.0		100	70-130	7.69	25	
1,1,2-Trichloroethane	21.0		µg/kg wet	20.0		105	70-130	2.82	25	
Trichloroethene	18.7		µg/kg wet	20.0		93.5	70-130	6.22	25	
Trichlorofluoromethane (Freon 11)	24.3		µg/kg wet	20.0		122	66.7-150	6.35	50	
1,2,3-Trichloropropane	21.0		µg/kg wet	20.0		105	70-130	1.89	25	
1,2,4-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	6.12	25	
1,3,5-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	5.13	25	
Vinyl chloride	23.6		µg/kg wet	20.0		118	70-130	10.4	25	
m,p-Xylene	38.1		µg/kg wet	40.0		95.2	70-130	6.90	25	
o-Xylene	19.9		µg/kg wet	20.0		99.5	70-130	5.38	25	
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*53.9*		µg/kg wet	*50.0*		*108*	*70-130*			
Matrix Spike (5090536-MS1)		**Source: SA33579-06**		Prepared & Analyzed: 09-Sep-05						
Benzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130			
Chlorobenzene	20.6		µg/kg dry	20.0	BRL	103	70-130			
1,1-Dichloroethene	21.6		µg/kg dry	20.0	BRL	108	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090536 - SW846 5030 Soil (high level)										
Matrix Spike (5090536-MS1)		**Source: SA33579-06**		Prepared & Analyzed: 09-Sep-05						
Toluene	20.0		µg/kg dry	20.0	BRL	100	70-130			
Trichloroethene	19.2		µg/kg dry	20.0	BRL	96.0	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg dry	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/kg dry	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/kg dry	*50.0*		*92.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		µg/kg dry	*50.0*		*101*	*70-130*			
Matrix Spike Dup (5090536-MSD1)		**Source: SA33579-06**		Prepared & Analyzed: 09-Sep-05						
Benzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	0.00	30	
Chlorobenzene	20.7		µg/kg dry	20.0	BRL	104	70-130	0.966	30	
1,1-Dichloroethene	21.2		µg/kg dry	20.0	BRL	106	70-130	1.87	30	
Toluene	20.1		µg/kg dry	20.0	BRL	100	70-130	0.00	30	
Trichloroethene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	0.00	30	
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg dry	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/kg dry	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/kg dry	*50.0*		*92.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		µg/kg dry	*50.0*		*101*	*70-130*			
Batch 5090656 - SW846 5030 Water MS										
Blank (5090656-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090656 - SW846 5030 Water MS										
Blank (5090656-BLK1)				Prepared & Analyzed: 12-Sep-05						
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/l	*50.0*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*52.0*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.1*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			
LCS (5090656-BS1)				Prepared & Analyzed: 12-Sep-05						
Acetone	18.8		µg/l	20.0		94.0	0.671-198			
Acrylonitrile	19.5		µg/l	20.0		97.5	70-130			
Benzene	20.4		µg/l	20.0		102	70-130			
Bromobenzene	20.9		µg/l	20.0		104	70-130			
Bromochloromethane	22.0		µg/l	20.0		110	70-130			
Bromodichloromethane	21.8		µg/l	20.0		109	70-130			
Bromoform	20.1		µg/l	20.0		100	70-130			
Bromomethane	23.4		µg/l	20.0		117	64.5-146			
2-Butanone (MEK)	16.5		µg/l	20.0		82.5	14.3-172			
n-Butylbenzene	20.4		µg/l	20.0		102	70-130			
sec-Butylbenzene	20.0		µg/l	20.0		100	70-130			
tert-Butylbenzene	21.1		µg/l	20.0		106	70-130			
Carbon disulfide	20.3		µg/l	20.0		102	70-130			
Carbon tetrachloride	21.9		µg/l	20.0		110	70-130			
Chlorobenzene	20.1		µg/l	20.0		100	70-130			
Chloroethane	23.7		µg/l	20.0		118	66.3-135			
Chloroform	19.9		µg/l	20.0		99.5	70-130			
Chloromethane	26.2		µg/l	20.0		131	70-130			QC-1

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090656 - SW846 5030 Water MS										
LCS (5090656-BS1)				Prepared & Analyzed: 12-Sep-05						
2-Chlorotoluene	19.7		µg/l	20.0		98.5	70-130			
4-Chlorotoluene	20.4		µg/l	20.0		102	70-130			
1,2-Dibromo-3-chloropropane	20.9		µg/l	20.0		104	70-130			
Dibromochloromethane	21.4		µg/l	20.0		107	52.9-141			
1,2-Dibromoethane (EDB)	21.3		µg/l	20.0		106	70-130			
Dibromomethane	19.8		µg/l	20.0		99.0	70-130			
1,2-Dichlorobenzene	21.6		µg/l	20.0		108	70-130			
1,3-Dichlorobenzene	21.4		µg/l	20.0		107	70-130			
1,4-Dichlorobenzene	20.4		µg/l	20.0		102	70-130			
Dichlorodifluoromethane (Freon12)	36.3		µg/l	20.0		182	50.5-203			
1,1-Dichloroethane	21.3		µg/l	20.0		106	70-130			
1,2-Dichloroethane	20.8		µg/l	20.0		104	70-130			
1,1-Dichloroethene	20.6		µg/l	20.0		103	70-130			
cis-1,2-Dichloroethene	21.6		µg/l	20.0		108	70-130			
trans-1,2-Dichloroethene	20.6		µg/l	20.0		103	70-130			
1,2-Dichloropropane	21.3		µg/l	20.0		106	70-130			
1,3-Dichloropropane	20.2		µg/l	20.0		101	70-130			
2,2-Dichloropropane	19.9		µg/l	20.0		99.5	70-130			
1,1-Dichloropropene	21.4		µg/l	20.0		107	70-130			
cis-1,3-Dichloropropene	20.3		µg/l	20.0		102	70-130			
trans-1,3-Dichloropropene	20.6		µg/l	20.0		103	70-130			
Ethylbenzene	20.5		µg/l	20.0		102	70-130			
Hexachlorobutadiene	22.0		µg/l	20.0		110	68.9-138			
2-Hexanone (MBK)	17.5		µg/l	20.0		87.5	70-130			
Isopropylbenzene	19.9		µg/l	20.0		99.5	70-130			
4-Isopropyltoluene	21.6		µg/l	20.0		108	70-130			
Methyl tert-butyl ether	21.5		µg/l	20.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	20.2		µg/l	20.0		101	51.5-134			
Methylene chloride	18.5		µg/l	20.0		92.5	70-130			
Naphthalene	24.5		µg/l	20.0		122	70-130			
n-Propylbenzene	20.0		µg/l	20.0		100	70-130			
Styrene	19.9		µg/l	20.0		99.5	70-130			
1,1,1,2-Tetrachloroethane	21.2		µg/l	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	19.6		µg/l	20.0		98.0	70-130			
Tetrachloroethene	20.8		µg/l	20.0		104	70-130			
Toluene	21.2		µg/l	20.0		106	70-130			
1,2,3-Trichlorobenzene	22.6		µg/l	20.0		113	70-130			
1,2,4-Trichlorobenzene	21.4		µg/l	20.0		107	70-130			
1,1,1-Trichloroethane	21.8		µg/l	20.0		109	70-130			
1,1,2-Trichloroethane	21.3		µg/l	20.0		106	70-130			
Trichloroethene	20.6		µg/l	20.0		103	70-130			
Trichlorofluoromethane (Freon 11)	23.2		µg/l	20.0		116	70-143			
1,2,3-Trichloropropane	20.5		µg/l	20.0		102	70-130			
1,2,4-Trimethylbenzene	20.1		µg/l	20.0		100	70-130			
1,3,5-Trimethylbenzene	19.7		µg/l	20.0		98.5	70-130			
Vinyl chloride	21.2		µg/l	20.0		106	70-130			
m,p-Xylene	42.1		µg/l	40.0		105	70-130			
o-Xylene	20.8		µg/l	20.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*52.4*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*51.0*		µg/l	*50.0*		*102*	*70-130*			
LCS Dup (5090656-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acetone	19.0		µg/l	20.0		95.0	0.671-198	1.06	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090656 - SW846 5030 Water MS										
LCS Dup (5090656-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acrylonitrile	19.4		µg/l	20.0		97.0	70-130	0.514	25	
Benzene	20.2		µg/l	20.0		101	70-130	0.985	25	
Bromobenzene	19.5		µg/l	20.0		97.5	70-130	6.45	25	
Bromochloromethane	20.9		µg/l	20.0		104	70-130	5.61	25	
Bromodichloromethane	21.0		µg/l	20.0		105	70-130	3.74	25	
Bromoform	19.6		µg/l	20.0		98.0	70-130	2.02	25	
Bromomethane	20.9		µg/l	20.0		104	64.5-146	11.8	50	
2-Butanone (MEK)	16.5		µg/l	20.0		82.5	14.3-172	0.00	50	
n-Butylbenzene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
sec-Butylbenzene	18.4		µg/l	20.0		92.0	70-130	8.33	25	
tert-Butylbenzene	19.6		µg/l	20.0		98.0	70-130	7.84	25	
Carbon disulfide	20.0		µg/l	20.0		100	70-130	1.98	25	
Carbon tetrachloride	21.6		µg/l	20.0		108	70-130	1.83	25	
Chlorobenzene	19.5		µg/l	20.0		97.5	70-130	2.53	25	
Chloroethane	22.8		µg/l	20.0		114	66.3-135	3.45	50	
Chloroform	19.2		µg/l	20.0		96.0	70-130	3.58	25	
Chloromethane	25.2		µg/l	20.0		126	70-130	3.89	25	
2-Chlorotoluene	18.7		µg/l	20.0		93.5	70-130	5.21	25	
4-Chlorotoluene	19.0		µg/l	20.0		95.0	70-130	7.11	25	
1,2-Dibromo-3-chloropropane	19.6		µg/l	20.0		98.0	70-130	5.94	25	
Dibromochloromethane	20.0		µg/l	20.0		100	52.9-141	6.76	50	
1,2-Dibromoethane (EDB)	19.9		µg/l	20.0		99.5	70-130	6.33	25	
Dibromomethane	19.6		µg/l	20.0		98.0	70-130	1.02	25	
1,2-Dichlorobenzene	20.6		µg/l	20.0		103	70-130	4.74	25	
1,3-Dichlorobenzene	19.6		µg/l	20.0		98.0	70-130	8.78	25	
1,4-Dichlorobenzene	19.9		µg/l	20.0		99.5	70-130	2.48	25	
Dichlorodifluoromethane (Freon12)	33.6		µg/l	20.0		168	50.5-203	8.00	50	
1,1-Dichloroethane	20.4		µg/l	20.0		102	70-130	3.85	25	
1,2-Dichloroethane	20.3		µg/l	20.0		102	70-130	1.94	25	
1,1-Dichloroethene	19.9		µg/l	20.0		99.5	70-130	3.46	25	
cis-1,2-Dichloroethene	21.6		µg/l	20.0		108	70-130	0.00	25	
trans-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	3.96	25	
1,2-Dichloropropane	20.2		µg/l	20.0		101	70-130	4.83	25	
1,3-Dichloropropane	19.1		µg/l	20.0		95.5	70-130	5.60	25	
2,2-Dichloropropane	18.9		µg/l	20.0		94.5	70-130	5.15	25	
1,1-Dichloropropene	21.4		µg/l	20.0		107	70-130	0.00	25	
cis-1,3-Dichloropropene	19.6		µg/l	20.0		98.0	70-130	4.00	25	
trans-1,3-Dichloropropene	19.9		µg/l	20.0		99.5	70-130	3.46	25	
Ethylbenzene	19.7		µg/l	20.0		98.5	70-130	3.49	25	
Hexachlorobutadiene	19.4		µg/l	20.0		97.0	68.9-138	12.6	50	
2-Hexanone (MBK)	16.6		µg/l	20.0		83.0	70-130	5.28	25	
Isopropylbenzene	19.0		µg/l	20.0		95.0	70-130	4.63	25	
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130	0.930	25	
Methyl tert-butyl ether	21.2		µg/l	20.0		106	70-130	1.87	25	
4-Methyl-2-pentanone (MIBK)	17.5		µg/l	20.0		87.5	51.5-134	14.3	50	
Methylene chloride	19.2		µg/l	20.0		96.0	70-130	3.71	25	
Naphthalene	19.9		µg/l	20.0		99.5	70-130	20.3	25	
n-Propylbenzene	18.6		µg/l	20.0		93.0	70-130	7.25	25	
Styrene	18.7		µg/l	20.0		93.5	70-130	6.22	25	
1,1,1,2-Tetrachloroethane	20.2		µg/l	20.0		101	70-130	4.83	25	
1,1,2,2-Tetrachloroethane	17.9		µg/l	20.0		89.5	70-130	9.07	25	
Tetrachloroethene	19.4		µg/l	20.0		97.0	70-130	6.97	25	
Toluene	20.0		µg/l	20.0		100	70-130	5.83	25	
1,2,3-Trichlorobenzene	20.5		µg/l	20.0		102	70-130	10.2	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090656 - SW846 5030 Water MS										
LCS Dup (5090656-BSD1)				Prepared & Analyzed: 12-Sep-05						
1,2,4-Trichlorobenzene	19.4		µg/l	20.0		97.0	70-130	9.80	25	
1,1,1-Trichloroethane	22.2		µg/l	20.0		111	70-130	1.82	25	
1,1,2-Trichloroethane	20.3		µg/l	20.0		102	70-130	3.85	25	
Trichloroethene	19.8		µg/l	20.0		99.0	70-130	3.96	25	
Trichlorofluoromethane (Freon 11)	22.6		µg/l	20.0		113	70-143	2.62	50	
1,2,3-Trichloropropane	18.6		µg/l	20.0		93.0	70-130	9.23	25	
1,2,4-Trimethylbenzene	19.0		µg/l	20.0		95.0	70-130	5.13	25	
1,3,5-Trimethylbenzene	18.9		µg/l	20.0		94.5	70-130	4.15	25	
Vinyl chloride	19.6		µg/l	20.0		98.0	70-130	7.84	25	
m,p-Xylene	40.7		µg/l	40.0		102	70-130	2.90	25	
o-Xylene	19.7		µg/l	20.0		98.5	70-130	5.43	25	
Surrogate: 4-Bromofluorobenzene	*48.9*		µg/l	*50.0*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*51.1*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*50.7*		µg/l	*50.0*		*101*	*70-130*			
Batch 5090679 - SW846 5035A Soil (low level)										
Blank (5090679-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
Blank (5090679-BLK1)				Prepared & Analyzed: 12-Sep-05						
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*44.8*		µg/kg wet	*50.0*		*89.6*	*70-130*			
Surrogate: Toluene-d8	*48.4*		µg/kg wet	*50.0*		*96.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet	*50.0*		*104*	*70-130*			
LCS (5090679-BS1)				Prepared & Analyzed: 12-Sep-05						
Acetone	26.3		µg/kg wet	20.0		132	0.663-201			
Acrylonitrile	16.4		µg/kg wet	20.0		82.0	70-130			
Benzene	16.1		µg/kg wet	20.0		80.5	70-130			
Bromobenzene	19.2		µg/kg wet	20.0		96.0	70-130			
Bromochloromethane	16.5		µg/kg wet	20.0		82.5	70-130			
Bromodichloromethane	16.3		µg/kg wet	20.0		81.5	70-130			
Bromoform	14.2		µg/kg wet	20.0		71.0	70-130			
Bromomethane	19.3		µg/kg wet	20.0		96.5	54-151			
2-Butanone (MEK)	12.3		µg/kg wet	20.0		61.5	6.66-154			
n-Butylbenzene	21.0		µg/kg wet	20.0		105	70-130			
sec-Butylbenzene	21.8		µg/kg wet	20.0		109	70-130			
tert-Butylbenzene	21.2		µg/kg wet	20.0		106	70-130			
Carbon disulfide	20.9		µg/kg wet	20.0		104	70-130			
Carbon tetrachloride	17.1		µg/kg wet	20.0		85.5	70-130			
Chlorobenzene	19.1		µg/kg wet	20.0		95.5	70-130			
Chloroethane	19.1		µg/kg wet	20.0		95.5	64.5-148			
Chloroform	16.7		µg/kg wet	20.0		83.5	70-130			
Chloromethane	15.6		µg/kg wet	20.0		78.0	70-130			
2-Chlorotoluene	19.5		µg/kg wet	20.0		97.5	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS (5090679-BS1)				Prepared & Analyzed: 12-Sep-05						
4-Chlorotoluene	19.9		µg/kg wet	20.0		99.5	70-130			
1,2-Dibromo-3-chloropropane	22.4		µg/kg wet	20.0		112	70-130			
Dibromochloromethane	14.2		µg/kg wet	20.0		71.0	52-148			
1,2-Dibromoethane (EDB)	16.3		µg/kg wet	20.0		81.5	70-130			
Dibromomethane	16.6		µg/kg wet	20.0		83.0	70-130			
1,2-Dichlorobenzene	21.5		µg/kg wet	20.0		108	70-130			
1,3-Dichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,4-Dichlorobenzene	21.8		µg/kg wet	20.0		109	70-130			
Dichlorodifluoromethane (Freon12)	20.1		µg/kg wet	20.0		100	60.6-196			
1,1-Dichloroethane	16.2		µg/kg wet	20.0		81.0	70-130			
1,2-Dichloroethane	16.2		µg/kg wet	20.0		81.0	70-130			
1,1-Dichloroethene	17.9		µg/kg wet	20.0		89.5	70-130			
cis-1,2-Dichloroethene	17.6		µg/kg wet	20.0		88.0	70-130			
trans-1,2-Dichloroethene	17.3		µg/kg wet	20.0		86.5	70-130			
1,2-Dichloropropane	15.2		µg/kg wet	20.0		76.0	70-130			
1,3-Dichloropropane	14.6		µg/kg wet	20.0		73.0	70-130			
2,2-Dichloropropane	13.3		µg/kg wet	20.0		66.5	70-130			QC-2
1,1-Dichloropropene	17.1		µg/kg wet	20.0		85.5	70-130			
cis-1,3-Dichloropropene	14.2		µg/kg wet	20.0		71.0	70-130			
trans-1,3-Dichloropropene	13.8		µg/kg wet	20.0		69.0	70-130			QC-2
Ethylbenzene	19.4		µg/kg wet	20.0		97.0	70-130			
Hexachlorobutadiene	22.5		µg/kg wet	20.0		112	67-154			
2-Hexanone (MBK)	24.8		µg/kg wet	20.0		124	70-130			
Isopropylbenzene	19.5		µg/kg wet	20.0		97.5	70-130			
4-Isopropyltoluene	23.6		µg/kg wet	20.0		118	70-130			
Methyl tert-butyl ether	16.6		µg/kg wet	20.0		83.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.7		µg/kg wet	20.0		93.5	38.8-135			
Methylene chloride	17.3		µg/kg wet	20.0		86.5	70-130			
Naphthalene	23.0		µg/kg wet	20.0		115	70-130			
n-Propylbenzene	20.6		µg/kg wet	20.0		103	70-130			
Styrene	17.9		µg/kg wet	20.0		89.5	70-130			
1,1,1,2-Tetrachloroethane	16.4		µg/kg wet	20.0		82.0	70-130			
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet	20.0		91.0	70-130			
Tetrachloroethene	18.3		µg/kg wet	20.0		91.5	70-130			
Toluene	17.0		µg/kg wet	20.0		85.0	70-130			
1,2,3-Trichlorobenzene	19.4		µg/kg wet	20.0		97.0	70-130			
1,2,4-Trichlorobenzene	18.2		µg/kg wet	20.0		91.0	70-130			
1,1,1-Trichloroethane	18.5		µg/kg wet	20.0		92.5	70-130			
1,1,2-Trichloroethane	15.7		µg/kg wet	20.0		78.5	70-130			
Trichloroethene	18.8		µg/kg wet	20.0		94.0	70-130			
Trichlorofluoromethane (Freon 11)	22.7		µg/kg wet	20.0		114	66.7-150			
1,2,3-Trichloropropane	18.7		µg/kg wet	20.0		93.5	70-130			
1,2,4-Trimethylbenzene	20.2		µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	19.7		µg/kg wet	20.0		98.5	70-130			
Vinyl chloride	17.6		µg/kg wet	20.0		88.0	70-130			
m,p-Xylene	38.6		µg/kg wet	40.0		96.5	70-130			
o-Xylene	19.6		µg/kg wet	20.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/kg wet	*50.0*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*48.8*		µg/kg wet	*50.0*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.6*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
CS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acetone	23.5		µg/kg wet	20.0		118	0.663-201	11.2	50	
Acrylonitrile	14.8		µg/kg wet	20.0		74.0	70-130	10.3	25	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
Benzene	15.2		µg/kg wet	20.0		76.0	70-130	5.75	25	
Bromobenzene	17.8		µg/kg wet	20.0		89.0	70-130	7.57	25	
Bromochloromethane	15.2		µg/kg wet	20.0		76.0	70-130	8.20	25	
Bromodichloromethane	15.0		µg/kg wet	20.0		75.0	70-130	8.31	25	
Bromoform	12.9		µg/kg wet	20.0		64.5	70-130	9.59	25	QC-1
Bromomethane	16.5		µg/kg wet	20.0		82.5	54-151	15.6	50	
2-Butanone (MEK)	9.8		µg/kg wet	20.0		49.0	6.66-154	22.6	50	
n-Butylbenzene	20.2		µg/kg wet	20.0		101	70-130	3.88	25	
sec-Butylbenzene	20.7		µg/kg wet	20.0		104	70-130	4.69	25	
tert-Butylbenzene	20.3		µg/kg wet	20.0		102	70-130	3.85	25	
Carbon disulfide	20.1		µg/kg wet	20.0		100	70-130	3.92	25	
Carbon tetrachloride	16.1		µg/kg wet	20.0		80.5	70-130	6.02	25	
Chlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130	7.61	25	
Chloroethane	18.1		µg/kg wet	20.0		90.5	64.5-148	5.38	50	
Chloroform	15.5		µg/kg wet	20.0		77.5	70-130	7.45	25	
Chloromethane	15.5		µg/kg wet	20.0		77.5	70-130	0.643	25	
2-Chlorotoluene	18.3		µg/kg wet	20.0		91.5	70-130	6.35	25	
4-Chlorotoluene	18.2		µg/kg wet	20.0		91.0	70-130	8.92	25	
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet	20.0		99.0	70-130	12.3	25	
Dibromochloromethane	12.9		µg/kg wet	20.0		64.5	52-148	9.59	50	
1,2-Dibromoethane (EDB)	14.7		µg/kg wet	20.0		73.5	70-130	10.3	25	
Dibromomethane	15.0		µg/kg wet	20.0		75.0	70-130	10.1	25	
1,2-Dichlorobenzene	20.3		µg/kg wet	20.0		102	70-130	5.71	25	
1,3-Dichlorobenzene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
1,4-Dichlorobenzene	20.3		µg/kg wet	20.0		102	70-130	6.64	25	
Dichlorodifluoromethane (Freon12)	19.9		µg/kg wet	20.0		99.5	60.6-196	0.501	50	
1,1-Dichloroethane	15.4		µg/kg wet	20.0		77.0	70-130	5.06	25	
1,2-Dichloroethane	15.0		µg/kg wet	20.0		75.0	70-130	7.69	25	
1,1-Dichloroethene	17.4		µg/kg wet	20.0		87.0	70-130	2.83	25	
cis-1,2-Dichloroethene	16.2		µg/kg wet	20.0		81.0	70-130	8.28	25	
trans-1,2-Dichloroethene	16.7		µg/kg wet	20.0		83.5	70-130	3.53	25	
1,2-Dichloropropane	14.1		µg/kg wet	20.0		70.5	70-130	7.51	25	
1,3-Dichloropropane	13.4		µg/kg wet	20.0		67.0	70-130	8.57	25	QC-1
2,2-Dichloropropane	13.1		µg/kg wet	20.0		65.5	70-130	1.52	25	QC-2
1,1-Dichloropropene	16.5		µg/kg wet	20.0		82.5	70-130	3.57	25	
cis-1,3-Dichloropropene	12.9		µg/kg wet	20.0		64.5	70-130	9.59	25	QC-1
trans-1,3-Dichloropropene	12.8		µg/kg wet	20.0		64.0	70-130	7.52	25	QC-2
Ethylbenzene	18.1		µg/kg wet	20.0		90.5	70-130	6.93	25	
Hexachlorobutadiene	23.3		µg/kg wet	20.0		116	67-154	3.51	50	
2-Hexanone (MBK)	22.0		µg/kg wet	20.0		110	70-130	12.0	25	
Isopropylbenzene	18.3		µg/kg wet	20.0		91.5	70-130	6.35	25	
4-Isopropyltoluene	22.6		µg/kg wet	20.0		113	70-130	4.33	25	
Methyl tert-butyl ether	15.0		µg/kg wet	20.0		75.0	70-130	10.1	25	
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet	20.0		79.5	38.8-135	16.2	50	
Methylene chloride	16.2		µg/kg wet	20.0		81.0	70-130	6.57	25	
Naphthalene	20.3		µg/kg wet	20.0		102	70-130	12.0	25	
n-Propylbenzene	19.3		µg/kg wet	20.0		96.5	70-130	6.52	25	
Styrene	16.4		µg/kg wet	20.0		82.0	70-130	8.75	25	
1,1,1,2-Tetrachloroethane	15.3		µg/kg wet	20.0		76.5	70-130	6.94	25	
1,1,2,2-Tetrachloroethane	16.1		µg/kg wet	20.0		80.5	70-130	12.2	25	
Tetrachloroethene	17.3		µg/kg wet	20.0		86.5	70-130	5.62	25	
Toluene	16.2		µg/kg wet	20.0		81.0	70-130	4.82	25	
1,2,3-Trichlorobenzene	17.6		µg/kg wet	20.0		88.0	70-130	9.73	25	
1,2,4-Trichlorobenzene	17.3		µg/kg wet	20.0		86.5	70-130	5.07	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
1,1,1-Trichloroethane	17.8		µg/kg wet	20.0		89.0	70-130	3.86	25	
1,1,2-Trichloroethane	14.4		µg/kg wet	20.0		72.0	70-130	8.64	25	
Trichloroethene	18.0		µg/kg wet	20.0		90.0	70-130	4.35	25	
Trichlorofluoromethane (Freon 11)	21.6		µg/kg wet	20.0		108	66.7-150	5.41	50	
1,2,3-Trichloropropane	16.8		µg/kg wet	20.0		84.0	70-130	10.7	25	
1,2,4-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	6.12	25	
1,3,5-Trimethylbenzene	18.7		µg/kg wet	20.0		93.5	70-130	5.21	25	
Vinyl chloride	13.7		µg/kg wet	20.0		68.5	70-130	24.9	25	QC-1
m,p-Xylene	35.9		µg/kg wet	40.0		89.8	70-130	7.19	25	
o-Xylene	18.4		µg/kg wet	20.0		92.0	70-130	6.32	25	
Surrogate: 4-Bromofluorobenzene	*47.9*		µg/kg wet	*50.0*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.0*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*51.8*		µg/kg wet	*50.0*		*104*	*70-130*			

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090557 - General Preparation										
Duplicate (5090557-DUP1)		**Source: SA33676-09**		Prepared & Analyzed: 09-Sep-05						
% Solids	81.8		%		81.9			0.122	20	

Notes and Definitions

QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33676-01 SA33676-11 SA33676-02 SA33676-03 SA33676-04 SA33676-05 SA33676-06 SA33676-07 SA33676-08 SA33676-09 SA33676-10	List Specific Analytical Methods Used: SM2540 G Mod. SW846 8260B VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/12/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 33788 (10) [illegible]

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

WH5012842 (9)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield, CEE, 100 Shield Street, W. Hartford, CT
David Ringquist, CT DEP, 79 Elm St., Hartford, CT
P.O. No.: 06110
RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
State: Meriden, CT
Sampler(s): JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH CT Method	VOCs 5035/8260	SVOCs 8270	PAHs Only 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA-8 Metals	Total Cu, Ni, Zn+	Total Sb, Be, Tl, Vn	VOCs 8260	
33788-01	JTP050907-121	9-7-05	9:55	G	S	8,9	3	2			X	X	X		X	X	X	X	X		SPLP Sb, Pb, Ni, V, As Cu, Hg, Ag, Zn
-02	JTP050907-123		10:15		S	8,9	3	2			X	X	X		X	X	X	X	X		SPLP Sb, Pb, Ni, V
-03	JTP050907-124		10:30		S	8,9	3	2			X	X	X		X	X	X	X	X		SPLP Cd, Sb, Pb, Ni, V Cu, Hg, Ag, Cr
-04	JTP050907-126		11:25		S	8,9	3	~~2~~ 1			X	X	X		X	X	X	X	X		SPLP Sb, Pb, Ni, V, Cu, Hg Ag
-05	JTP050907-129		13:55		S	8,9	3	2			X	X	X		X	X	X	X	X		SPLP Sb, Pb, Ni, V, Hg, Ag
-06	JTP050907-131		15:00		W	2	2													X	ADDED ANALYSIS
-07	JTP050907-132		14:45		W	2	2													X	

per client fax 9/14/05

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 5° cooler

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9-8-05	1230
[signature]	[signature]	9/8/05	1600

AOC-3

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

SUPPLEMENTAL CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield / David Ringquist
CEE / CT DEP
100 Shield Street / 79 Elm St.
W. Hartford, CT / Hartford, CT
P.O. No.: 06110 RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden HUB
Location: East Main and State Streets State: Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP Cadmium	SPLP Antimony, Pb, Ni, Vn	SPLP Arsenic	SPLP Copper	SPLP Mercury	SPLP Silver	SPLP Zinc	SPLP Chromium	
SA	33788-01	JTP050907-121	9-7-05	9:55	G	S	8,9	3	2				X	X	X	X	X	X		
SA	33788-02	JTP050907-123	↓	10:15	↓	↓	↓	↓	2				X							
SA	33788-03	JTP050907-124	↓	10:30	↓	↓	↓	↓	2			X	X		X	X	X		X	
SA	33788-04	JTP050907-126	↓	11:25	↓	↓	↓	↓	1				X		X	X	X			
SA	33788-05	JTP050907-129	↓	13:55	↓	↓	↓	↓	2				X			X	X			

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Relinquished by:	Received by:	Date:	Time:

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

AOC-3

Report Date:
27-Sep-05 13:53

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33788-01	JTP050907-121	Soil	07-Sep-05 09:55	08-Sep-05 16:00
SA33788-02	JTP050907-123	Soil	07-Sep-05 10:15	08-Sep-05 16:00
SA33788-03	JTP050907-124	Soil	07-Sep-05 10:30	08-Sep-05 16:00
SA33788-04	JTP050907-126	Soil	07-Sep-05 11:25	08-Sep-05 16:00
SA33788-05	JTP050907-129	Soil	07-Sep-05 13:55	08-Sep-05 16:00
SA33788-06	JTP050907-131	Water	07-Sep-05 15:00	08-Sep-05 16:00
SA33788-07	JTP050907-132	Water	07-Sep-05 14:45	08-Sep-05 16:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 60 pages of analytical data plus Chain of Custody document(s).
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Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-121 SA33788-01	CEE Project #2005.045	Soil	07-Sep-05 09:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	08-Sep-05	08-Sep-05	5090516	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	140	118 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	VOC6
107-13-1	Acrylonitrile	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	58.8 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	29.4 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	6.3	5.9 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	58.8 µg/kg dry	1	"	"	"	"	"	
82-8	Isopropylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-121 SA33788-01	CEE Project #2005.045	Soil	07-Sep-05 09:55	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	5.9 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	58.8 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	58.8 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	10.2	5.9 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	222	5.9 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	9.4	5.9 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	11.8 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	5.9 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	31.9 mg/kg dry	1	+CT ETPH	12-Sep-05	13-Sep-05	5090640	KG	
68476-30-2	Fuel Oil #2	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	31.9 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
	Unidentified	40.0	31.9 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	40.0	31.9 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	40.0	31.9 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*76.2*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-121 SA33788-01	CEE Project #2005.045	Soil	07-Sep-05 09:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							
12674-11-2	PCB 1016	BRL	35.8 µg/kg dry	1	SW846 8082	12-Sep-05	12-Sep-05	5090638	SM	
11104-28-2	PCB 1221	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	281 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
208-96-8	Acenaphthylene	BRL	281 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	281 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	281 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	281 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	281 µg/kg dry	1	"	"	"	"	"	
-87-5	Benzidine	BRL	281 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	281 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	281 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	281 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	281 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	281 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	281 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	281 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	281 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	281 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	281 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	281 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	281 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	281 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	281 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	281 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	281 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	281 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	281 µg/kg dry	1	"	"	"	"	"	
-50-1	1,2-Dichlorobenzene	BRL	281 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	281 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-121 SA33788-01	CEE Project #2005.045	Soil	07-Sep-05 09:55	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
106-46-7	1,4-Dichlorobenzene	BRL	281 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
91-94-1	3,3'-Dichlorobenzidine	BRL	281 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	281 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	281 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	281 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	281 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	281 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	281 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	281 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	281 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	281 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	281 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	281 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	281 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	281 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	281 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	281 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	281 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1130 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	281 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1130 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	281 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	281 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	281 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1130 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	281 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	281 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	281 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	281 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	281 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*53.2*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*59.5*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53.9*	*30-130 %*		"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-121 SA33788-01	CEE Project #2005.045	Soil	07-Sep-05 09:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*54.2*	*15-110 %*		SW846 8270C	12-Sep-05	13-Sep-05	5090641		
1718-51-0	*Terphenyl-dl4*	*60.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*47.9*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	3.16	0.165 mg/kg	1	SW846 7471A	12-Sep-05	13-Sep-05	5090661	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	167	4.62 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090761	RE	
7440-38-2	Arsenic	10.8	1.83 mg/kg dry	1	"	12-Sep-05	12-Sep-05	5090660	HB	
7440-39-3	Barium	75.8	0.611 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.409	0.244 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.519	0.305 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	8.63	0.611 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	1,470	0.611 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	225	0.611 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	858	0.916 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	716	1.83 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.83 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.83 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	19.3	0.611 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	1,120	0.611 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-22-4	Silver	0.0184	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7440-38-2	Arsenic	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.128	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00050	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7440-02-0	Nickel	0.0284	0.0025 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7439-92-1	Lead	0.194	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	1.63	0.0060 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0036	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0920	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.21 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	81.2	%	1	SM2540 G Mod.	10-Sep-05	10-Sep-05	5090624	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-123 SA33788-02	CEE Project #2005.045	Soil	07-Sep-05 10:15	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	08-Sep-05	08-Sep-05	5090516	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
67-64-1	Acetone	BRL	941 µg/kg dry	50	SW846 8260B	13-Sep-05	13-Sep-05	5090765	KS	
107-13-1	Acrylonitrile	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	471 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	235 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	471 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-123 SA33788-02	CEE Project #2005.045	Soil	07-Sep-05 10:15	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							VOC10, VOC8
1634-04-4	Methyl tert-butyl ether	BRL	47.1 µg/kg dry	50	SW846 8260B	13-Sep-05	13-Sep-05	5090765	KS	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	471 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	471 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	94.1 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	47.1 µg/kg dry	50	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*108*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	30.7 mg/kg dry	1	+CT ETPH	12-Sep-05	13-Sep-05	5090640	KG	
68476-30-2	Fuel Oil #2	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	30.7 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
	Unidentified	12,200	30.7 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	12,200	30.7 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	12,200	30.7 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*1030*	*40-140 %*		"	"	"	"	"	S-02
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-123 SA33788-02	CEE Project #2005.045	Soil	07-Sep-05 10:15	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3545A					
12674-11-2	PCB 1016	BRL	33.5 µg/kg dry	1	SW846 8082	12-Sep-05	12-Sep-05	5090638	SM	
11104-28-2	PCB 1221	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69.9*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	259 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
208-96-8	Acenaphthylene	BRL	259 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	259 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	259 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	259 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	259 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	259 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	259 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	259 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	259 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	259 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	259 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	259 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	259 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	259 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	259 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	259 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	259 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	259 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	259 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	259 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	259 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	259 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	259 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	259 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	259 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	259 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-123 SA33788-02	CEE Project #2005.045	Soil	07-Sep-05 10:15	08-Sep-05

emivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	259 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
91-94-1	3,3'-Dichlorobenzidine	BRL	259 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	259 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	259 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	259 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	259 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	259 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	259 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	259 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	259 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	259 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	259 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	259 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	259 µg/kg dry	1	"	"	"	"	"	
-57-6	2-Methylnaphthalene	BRL	259 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	259 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	259 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	259 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1040 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	259 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1040 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	259 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	259 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	259 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1040 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	396	259 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	259 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	259 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	259 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	259 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.8*	*30-130 %*		"	"	"	"	"	
7-12-4	*2-Fluorophenol*	*66.0*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*57.6*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-123 SA33788-02	CEE Project #2005.045	Soil	07-Sep-05 10:15	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
4165-62-2	*Phenol-d5*	*60.3*	*15-110 %*		SW846 8270C	12-Sep-05	13-Sep-05	5090641		
1718-51-0	*Terphenyl-dl4*	*110*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*62.6*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.154 mg/kg	1	SW846 7471A	12-Sep-05	13-Sep-05	5090661	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	3.15	1.15 mg/kg dry	1	EPA 200.7	12-Sep-05	12-Sep-05	5090660	HB	
7440-38-2	Arsenic	6.31	1.73 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	48.9	0.576 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.525	0.231 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.288 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	9.71	0.576 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	84.9	0.576 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	22.9	0.576 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	5.52	0.865 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	18.5	1.73 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	26.5	0.576 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	58.7	0.576 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-02-0	Nickel	0.0050	0.0025 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	0.0840	0.0060 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0318	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	11.2	1.19 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	83.7	%	1	SM2540 G Mod.	10-Sep-05	10-Sep-05	5090624	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-124 SA33788-03	CEE Project #2005.045	Soil	07-Sep-05 10:30	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	08-Sep-05	08-Sep-05	5090516	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	90.5 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	45.2 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	22.6 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	45.2 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-124 SA33788-03	CEE Project #2005.045	Soil	07-Sep-05 10:30	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.5 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	45.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	45.2 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	9.0 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*86.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*89.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97.8*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.4*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	30.9 mg/kg dry	1	+CT ETPH	12-Sep-05	13-Sep-05	5090640	KG	
68476-30-2	Fuel Oil #2	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	30.9 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
	Unidentified	256	30.9 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	30.9 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	256	30.9 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	256	30.9 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*99.7*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-124 SA33788-03	CEE Project #2005.045	Soil	07-Sep-05 10:30	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3545A					
12674-11-2	PCB 1016	BRL	33.7 µg/kg dry	1	SW846 8082	12-Sep-05	12-Sep-05	5090638	SM	
11104-28-2	PCB 1221	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	251 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
208-96-8	Acenaphthylene	BRL	251 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	251 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	251 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	251 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	251 µg/kg dry	1	"	"	"	"	"	
-87-5	Benzidine	BRL	251 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	535	251 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	570	251 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	446	251 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	251 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	450	251 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	251 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	251 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	251 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	251 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	251 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	251 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	251 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	251 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	251 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	251 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	528	251 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	251 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	251 µg/kg dry	1	"	"	"	"	"	
-50-1	1,2-Dichlorobenzene	BRL	251 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	251 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-124 SA33788-03	CEE Project #2005.045	Soil	07-Sep-05 10:30	08-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	251 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
91-94-1	3,3'-Dichlorobenzidine	BRL	251 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	251 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	251 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	251 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	975	251 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	251 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	251 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	251 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	251 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	251 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	255	251 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	251 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	251 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	251 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	251 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	251 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	251 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1010 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	251 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1010 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	251 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	251 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	251 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1010 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	542	251 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,010	251 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	251 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	251 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	251 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.0*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*56.7*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*47.2*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-124 SA33788-03	CEE Project #2005.045	Soil	07-Sep-05 10:30	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*50.0*	*15-110 %*		SW846 8270C	12-Sep-05	13-Sep-05	5090641		
1718-51-0	*Terphenyl-dl4*	*66.5*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*60.6*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.459	0.175 mg/kg	1	SW846 7471A	12-Sep-05	13-Sep-05	5090661	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	217	46.5 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090761	RE	
7440-38-2	Arsenic	9.31	1.74 mg/kg dry	1	"	12-Sep-05	12-Sep-05	5090660	HB	
7440-39-3	Barium	103	0.579 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.307	0.232 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	1.44	0.289 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	21.5	0.579 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	996	0.579 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	204	0.579 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	534	0.868 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	48.1	1.74 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.74 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.74 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	24.8	0.579 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	680	0.579 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-22-4	Silver	0.0176	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0434	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7440-02-0	Nickel	0.0252	0.0025 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7439-92-1	Lead	0.0356	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	0.0514	0.0060 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0098	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	3.21	1.15 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	84.4	%	1	SM2540 G Mod.	12-Sep-05	12-Sep-05	5090702	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-126 SA33788-04	CEE Project #2005.045	Soil	07-Sep-05 11:25	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	08-Sep-05	08-Sep-05	5090516	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
67-64-1	Acetone	BRL	77.9 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	39.0 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	19.5 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	39.0 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-126 SA33788-04	CEE Project #2005.045	Soil	07-Sep-05 11:25	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							
1634-04-4	Methyl tert-butyl ether	BRL	3.9 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	39.0 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	39.0 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	11.1	3.9 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	7.8 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.9 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	29.7 mg/kg dry	1	+CT ETPH	12-Sep-05	13-Sep-05	5090640	KG	
68476-30-2	Fuel Oil #2	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
	Unidentified	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	29.7 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*60.5*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-126 SA33788-04	CEE Project #2005.045	Soil	07-Sep-05 11:25	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							
12674-11-2	PCB 1016	BRL	32.8 µg/kg dry	1	SW846 8082	12-Sep-05	12-Sep-05	5090638	SM	
11104-28-2	PCB 1221	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	32.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79.9*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	253 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
208-96-8	Acenaphthylene	BRL	253 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	253 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	253 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	253 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	253 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	253 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	508	253 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	491	253 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	324	253 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	253 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	406	253 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	253 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	253 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	253 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	253 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	253 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	253 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	253 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	253 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	253 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	253 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	531	253 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	253 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	253 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	253 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	253 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-126 SA33788-04	CEE Project #2005.045	Soil	07-Sep-05 11:25	08-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	253 µg/kg dry	1	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
91-94-1	3,3'-Dichlorobenzidine	BRL	253 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	253 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	253 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	253 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,250	253 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	253 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	253 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	253 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	253 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	253 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	253 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	253 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	253 µg/kg dry	1	"	"	"	"	"	
1-57-6	2-Methylnaphthalene	BRL	253 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	253 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	253 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	253 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1010 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	253 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1010 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	253 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	253 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	253 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1010 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	952	253 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,080	253 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	253 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	253 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	253 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*63.3*	*30-130 %*		"	"	"	"	"	
7-12-4	*2-Fluorophenol*	*61.3*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*51.2*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-126 SA33788-04	CEE Project #2005.045	Soil	07-Sep-05 11:25	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
4165-62-2	*Phenol-d5*	*52.7*	*15-110 %*		SW846 8270C	12-Sep-05	13-Sep-05	5090641		
1718-51-0	*Terphenyl-dl4*	*70.3*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*63.7*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	7.70	1.64 mg/kg	10	SW846 7471A	12-Sep-05	13-Sep-05	5090661	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	145	39.8 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090761	RE	
7440-38-2	Arsenic	BRL	1.71 mg/kg dry	1	"	12-Sep-05	12-Sep-05	5090660	HB	
7440-39-3	Barium	65.7	0.572 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.492	0.229 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	0.486	0.286 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	9.80	0.572 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	276	0.572 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	81.9	0.572 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	56.8	0.857 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	27.7	1.71 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.71 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.71 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	18.8	0.572 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	220	0.572 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-22-4	Silver	0.0286	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7440-50-8	Copper	0.0550	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00118	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7440-02-0	Nickel	0.0092	0.0025 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	0.0177	0.0060 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0358	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	4.59	1.14 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	84.9	%	1	SM2540 G Mod.	12-Sep-05	12-Sep-05	5090697	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-129 SA33788-05	CEE Project #2005.045	Soil	07-Sep-05 13:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	08-Sep-05	08-Sep-05	5090516	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	153 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
107-13-1	Acrylonitrile	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	76.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	38.3 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	76.7 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-129 SA33788-05	CEE Project #2005.045	Soil	07-Sep-05 13:55	08-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	7.7 µg/kg dry	1	SW846 8260B	12-Sep-05	12-Sep-05	5090679	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	76.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	76.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	15.3 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	7.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*90.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	29.5 mg/kg dry	1	+CT ETPH	12-Sep-05	13-Sep-05	5090640	KG	
68476-30-2	Fuel Oil #2	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	29.5 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
	Unidentified	94.1	29.5 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	94.1	29.5 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	94.1	29.5 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*76.8*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3545A							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-129 SA33788-05	CEE Project #2005.045	Soil	07-Sep-05 13:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3545A					
12674-11-2	PCB 1016	BRL	33.0 µg/kg dry	1	SW846 8082	12-Sep-05	12-Sep-05	5090638	SM	
11104-28-2	PCB 1221	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	33.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75.2*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	303 µg/kg dry	5	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
208-96-8	Acenaphthylene	BRL	303 µg/kg dry	5	"	"	"	"	"	
62-53-3	Aniline	BRL	303 µg/kg dry	5	"	"	"	"	"	
120-12-7	Anthracene	BRL	303 µg/kg dry	5	"	"	"	"	"	
1912-24-9	Atrazine	BRL	303 µg/kg dry	5	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	303 µg/kg dry	5	"	"	"	"	"	
-87-5	Benzidine	BRL	303 µg/kg dry	5	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	303 µg/kg dry	5	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	303 µg/kg dry	5	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	303 µg/kg dry	5	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	303 µg/kg dry	5	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	303 µg/kg dry	5	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	303 µg/kg dry	5	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	303 µg/kg dry	5	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	303 µg/kg dry	5	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	303 µg/kg dry	5	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	303 µg/kg dry	5	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	303 µg/kg dry	5	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
86-74-8	Carbazole	BRL	303 µg/kg dry	5	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	303 µg/kg dry	5	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	303 µg/kg dry	5	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	303 µg/kg dry	5	"	"	"	"	"	
218-01-9	Chrysene	BRL	303 µg/kg dry	5	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	303 µg/kg dry	5	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	303 µg/kg dry	5	"	"	"	"	"	
-50-1	1,2-Dichlorobenzene	BRL	303 µg/kg dry	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	303 µg/kg dry	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-129 SA33788-05	CEE Project #2005.045	Soil	07-Sep-05 13:55	08-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	303 µg/kg dry	5	SW846 8270C	12-Sep-05	13-Sep-05	5090641		
91-94-1	3,3'-Dichlorobenzidine	BRL	303 µg/kg dry	5	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	303 µg/kg dry	5	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	303 µg/kg dry	5	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	303 µg/kg dry	5	"	"	"	"	"	
206-44-0	Fluoranthene	346	303 µg/kg dry	5	"	"	"	"	"	
86-73-7	Fluorene	BRL	303 µg/kg dry	5	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	303 µg/kg dry	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	303 µg/kg dry	5	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	303 µg/kg dry	5	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	303 µg/kg dry	5	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	303 µg/kg dry	5	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	303 µg/kg dry	5	"	"	"	"	"	
78-59-1	Isophorone	BRL	303 µg/kg dry	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	303 µg/kg dry	5	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	303 µg/kg dry	5	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	303 µg/kg dry	5	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	303 µg/kg dry	5	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1210 µg/kg dry	5	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	303 µg/kg dry	5	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1210 µg/kg dry	5	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	303 µg/kg dry	5	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	303 µg/kg dry	5	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	303 µg/kg dry	5	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1210 µg/kg dry	5	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	303 µg/kg dry	5	"	"	"	"	"	
108-95-2	Phenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
129-00-0	Pyrene	409	303 µg/kg dry	5	"	"	"	"	"	
110-86-1	Pyridine	BRL	303 µg/kg dry	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	303 µg/kg dry	5	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	303 µg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*61.2*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*43.3*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*41.6*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-129 SA33788-05	CEE Project #2005.045	Soil	07-Sep-05 13:55	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*42.4*	*15-110 %*		SW846 8270C	12-Sep-05	13-Sep-05	5090641		
1718-51-0	*Terphenyl-dl4*	*74.7*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*30.0*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	7.84	1.61 mg/kg	10	SW846 7471A	12-Sep-05	13-Sep-05	5090661	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	7.52	1.10 mg/kg dry	1	EPA 200.7	12-Sep-05	12-Sep-05	5090660	HB	
7440-38-2	Arsenic	2.46	1.66 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	79.4	0.552 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.348	0.221 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.276 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	8.99	0.552 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	62.8	0.552 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	11.2	0.552 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	31.8	0.828 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	42.7	1.66 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.66 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	20.5	0.552 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	86.8	0.552 mg/kg dry	1	"	"	"	"	"	
PLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-22-4	Silver	BRL	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-97-6	Mercury	0.00345	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7439-92-1	Lead	0.0124	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0137	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	1.13 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	87.6	%	1	SM2540 G Mod.	12-Sep-05	12-Sep-05	5090697	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-131 SA33788-06	CEE Project #2005.045	Water	07-Sep-05 15:00	08-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090664	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-131 SA33788-06	CEE Project #2005.045	Water	07-Sep-05 15:00	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
/olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090664	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95.6*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97.8*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-132 SA33788-07	CEE Project #2005.045	Water	07-Sep-05 14:45	08-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090664	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050907-132 SA33788-07	CEE Project #2005.045	Water	07-Sep-05 14:45	08-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
.olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Sep-05	12-Sep-05	5090664	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98.8*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.6*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090664 - SW846 5030 Water MS										
Blank (5090664-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090664 - SW846 5030 Water MS										
Blank (5090664-BLK1)				Prepared & Analyzed: 12-Sep-05						
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/l	*50.0*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*47.2*		µg/l	*50.0*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/l	*50.0*		*96.2*	*70-130*			
Surrogate: Dibromofluoromethane	*47.1*		µg/l	*50.0*		*94.2*	*70-130*			
LCS (5090664-BS1)				Prepared & Analyzed: 12-Sep-05						
Acetone	21.4		µg/l	20.0		107	20.7-193			
Acrylonitrile	23.6		µg/l	20.0		118	70-130			
Benzene	18.9		µg/l	20.0		94.5	70-130			
Bromobenzene	19.0		µg/l	20.0		95.0	70-130			
Bromochloromethane	19.5		µg/l	20.0		97.5	70-130			
Bromodichloromethane	20.5		µg/l	20.0		102	70-130			
Bromoform	20.4		µg/l	20.0		102	70-130			
Bromomethane	21.9		µg/l	20.0		110	57.7-151			
-Butanone (MEK)	16.4		µg/l	20.0		82.0	24-153			
n-Butylbenzene	20.3		µg/l	20.0		102	70-130			
sec-Butylbenzene	18.9		µg/l	20.0		94.5	70-130			
tert-Butylbenzene	19.7		µg/l	20.0		98.5	70-130			
Carbon disulfide	19.4		µg/l	20.0		97.0	70-130			
Carbon tetrachloride	19.2		µg/l	20.0		96.0	70-130			
Chlorobenzene	19.4		µg/l	20.0		97.0	70-130			
Chloroethane	22.8		µg/l	20.0		114	70-134			
Chloroform	17.6		µg/l	20.0		88.0	70-130			
Chloromethane	26.0		µg/l	20.0		130	70-130			
2-Chlorotoluene	18.2		µg/l	20.0		91.0	70-130			
4-Chlorotoluene	18.6		µg/l	20.0		93.0	70-130			
1,2-Dibromo-3-chloropropane	22.6		µg/l	20.0		113	70-130			
Dibromochloromethane	20.1		µg/l	20.0		100	65.3-149			
1,2-Dibromoethane (EDB)	19.9		µg/l	20.0		99.5	70-130			
Dibromomethane	20.4		µg/l	20.0		102	70-130			
1,2-Dichlorobenzene	20.2		µg/l	20.0		101	70-130			
1,3-Dichlorobenzene	19.3		µg/l	20.0		96.5	70-130			
1,4-Dichlorobenzene	19.3		µg/l	20.0		96.5	70-130			
Dichlorodifluoromethane (Freon12)	29.4		µg/l	20.0		147	57.2-156			
1,1-Dichloroethane	20.3		µg/l	20.0		102	70-130			
1,2-Dichloroethane	19.7		µg/l	20.0		98.5	70-130			
1,1-Dichloroethene	21.1		µg/l	20.0		106	70-130			
cis-1,2-Dichloroethene	19.5		µg/l	20.0		97.5	70-130			
trans-1,2-Dichloroethene	18.8		µg/l	20.0		94.0	70-130			
1,2-Dichloropropane	20.6		µg/l	20.0		103	70-130			
1,3-Dichloropropane	20.2		µg/l	20.0		101	70-130			
,2-Dichloropropane	18.4		µg/l	20.0		92.0	70-130			
1,1-Dichloropropene	19.3		µg/l	20.0		96.5	70-130			
cis-1,3-Dichloropropene	19.8		µg/l	20.0		99.0	70-130			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090664 - SW846 5030 Water MS										
LCS (5090664-BS1)				Prepared & Analyzed: 12-Sep-05						
trans-1,3-Dichloropropene	19.1		µg/l	20.0		95.5	70-130			
Ethylbenzene	19.1		µg/l	20.0		95.5	70-130			
Hexachlorobutadiene	19.9		µg/l	20.0		99.5	70-145			
2-Hexanone (MBK)	15.4		µg/l	20.0		77.0	70-130			
Isopropylbenzene	18.8		µg/l	20.0		94.0	70-130			
4-Isopropyltoluene	20.8		µg/l	20.0		104	70-130			
Methyl tert-butyl ether	19.7		µg/l	20.0		98.5	70-130			
4-Methyl-2-pentanone (MIBK)	20.8		µg/l	20.0		104	51.9-135			
Methylene chloride	19.0		µg/l	20.0		95.0	70-130			
Naphthalene	21.0		µg/l	20.0		105	70-130			
n-Propylbenzene	19.0		µg/l	20.0		95.0	70-130			
Styrene	18.6		µg/l	20.0		93.0	70-130			
1,1,1,2-Tetrachloroethane	20.2		µg/l	20.0		101	70-130			
1,1,2,2-Tetrachloroethane	21.3		µg/l	20.0		106	70-130			
Tetrachloroethene	18.4		µg/l	20.0		92.0	70-130			
Toluene	18.7		µg/l	20.0		93.5	70-130			
1,2,3-Trichlorobenzene	19.9		µg/l	20.0		99.5	70-130			
1,2,4-Trichlorobenzene	19.3		µg/l	20.0		96.5	70-130			
1,1,1-Trichloroethane	19.6		µg/l	20.0		98.0	70-130			
1,1,2-Trichloroethane	20.6		µg/l	20.0		103	70-130			
Trichloroethene	19.6		µg/l	20.0		98.0	70-130			
Trichlorofluoromethane (Freon 11)	22.0		µg/l	20.0		110	68.2-143			
1,2,3-Trichloropropane	20.4		µg/l	20.0		102	70-130			
1,2,4-Trimethylbenzene	19.6		µg/l	20.0		98.0	70-130			
1,3,5-Trimethylbenzene	19.4		µg/l	20.0		97.0	70-130			
Vinyl chloride	24.4		µg/l	20.0		122	70-130			
m,p-Xylene	38.0		µg/l	40.0		95.0	70-130			
o-Xylene	20.0		µg/l	20.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*47.1*		µg/l	*50.0*		*94.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
LCS Dup (5090664-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acetone	16.9		µg/l	20.0		84.5	20.7-193	23.5	50	
Acrylonitrile	20.3		µg/l	20.0		102	70-130	14.5	25	
Benzene	18.9		µg/l	20.0		94.5	70-130	0.00	25	
Bromobenzene	19.3		µg/l	20.0		96.5	70-130	1.57	25	
Bromochloromethane	19.0		µg/l	20.0		95.0	70-130	2.60	25	
Bromodichloromethane	20.0		µg/l	20.0		100	70-130	1.98	25	
Bromoform	20.5		µg/l	20.0		102	70-130	0.00	25	
Bromomethane	19.5		µg/l	20.0		97.5	57.7-151	12.0	50	
2-Butanone (MEK)	17.4		µg/l	20.0		87.0	24-153	5.92	50	
n-Butylbenzene	20.2		µg/l	20.0		101	70-130	0.985	25	
sec-Butylbenzene	19.7		µg/l	20.0		98.5	70-130	4.15	25	
tert-Butylbenzene	20.0		µg/l	20.0		100	70-130	1.51	25	
Carbon disulfide	19.0		µg/l	20.0		95.0	70-130	2.08	25	
Carbon tetrachloride	18.9		µg/l	20.0		94.5	70-130	1.57	25	
Chlorobenzene	19.6		µg/l	20.0		98.0	70-130	1.03	25	
Chloroethane	20.9		µg/l	20.0		104	70-134	9.17	50	
Chloroform	17.3		µg/l	20.0		86.5	70-130	1.72	25	
Chloromethane	24.4		µg/l	20.0		122	70-130	6.35	25	
2-Chlorotoluene	19.2		µg/l	20.0		96.0	70-130	5.35	25	
4-Chlorotoluene	19.2		µg/l	20.0		96.0	70-130	3.17	25	
1,2-Dibromo-3-chloropropane	20.8		µg/l	20.0		104	70-130	8.29	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5090664 - SW846 5030 Water MS										
LCS Dup (5090664-BSD1)				Prepared & Analyzed: 12-Sep-05						
Dibromochloromethane	19.1		µg/l	20.0		95.5	65.3-149	4.60	50	
1,2-Dibromoethane (EDB)	19.1		µg/l	20.0		95.5	70-130	4.10	25	
Dibromomethane	19.4		µg/l	20.0		97.0	70-130	5.03	25	
1,2-Dichlorobenzene	20.2		µg/l	20.0		101	70-130	0.00	25	
1,3-Dichlorobenzene	19.7		µg/l	20.0		98.5	70-130	2.05	25	
1,4-Dichlorobenzene	19.1		µg/l	20.0		95.5	70-130	1.04	25	
Dichlorodifluoromethane (Freon12)	28.3		µg/l	20.0		142	57.2-156	3.46	50	
1,1-Dichloroethane	19.5		µg/l	20.0		97.5	70-130	4.51	25	
1,2-Dichloroethane	18.6		µg/l	20.0		93.0	70-130	5.74	25	
1,1-Dichloroethene	20.1		µg/l	20.0		100	70-130	5.83	25	
cis-1,2-Dichloroethene	18.8		µg/l	20.0		94.0	70-130	3.66	25	
trans-1,2-Dichloroethene	18.2		µg/l	20.0		91.0	70-130	3.24	25	
1,2-Dichloropropane	19.9		µg/l	20.0		99.5	70-130	3.46	25	
1,3-Dichloropropane	18.8		µg/l	20.0		94.0	70-130	7.18	25	
2,2-Dichloropropane	17.6		µg/l	20.0		88.0	70-130	4.44	25	
1,1-Dichloropropene	19.0		µg/l	20.0		95.0	70-130	1.57	25	
cis-1,3-Dichloropropene	19.2		µg/l	20.0		96.0	70-130	3.08	25	
trans-1,3-Dichloropropene	18.9		µg/l	20.0		94.5	70-130	1.05	25	
Ethylbenzene	19.1		µg/l	20.0		95.5	70-130	0.00	25	
Hexachlorobutadiene	20.1		µg/l	20.0		100	70-145	0.501	50	
2-Hexanone (MBK)	14.6		µg/l	20.0		73.0	70-130	5.33	25	
Isopropylbenzene	19.1		µg/l	20.0		95.5	70-130	1.58	25	
4-Isopropyltoluene	21.1		µg/l	20.0		106	70-130	1.90	25	
Methyl tert-butyl ether	18.6		µg/l	20.0		93.0	70-130	5.74	25	
4-Methyl-2-pentanone (MIBK)	16.6		µg/l	20.0		83.0	51.9-135	22.5	50	
Methylene chloride	17.8		µg/l	20.0		89.0	70-130	6.52	25	
Naphthalene	20.5		µg/l	20.0		102	70-130	2.90	25	
n-Propylbenzene	19.1		µg/l	20.0		95.5	70-130	0.525	25	
Styrene	19.2		µg/l	20.0		96.0	70-130	3.17	25	
1,1,1,2-Tetrachloroethane	20.2		µg/l	20.0		101	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	19.8		µg/l	20.0		99.0	70-130	6.83	25	
Tetrachloroethene	18.7		µg/l	20.0		93.5	70-130	1.62	25	
Toluene	18.3		µg/l	20.0		91.5	70-130	2.16	25	
1,2,3-Trichlorobenzene	19.8		µg/l	20.0		99.0	70-130	0.504	25	
1,2,4-Trichlorobenzene	19.6		µg/l	20.0		98.0	70-130	1.54	25	
1,1,1-Trichloroethane	19.4		µg/l	20.0		97.0	70-130	1.03	25	
1,1,2-Trichloroethane	19.3		µg/l	20.0		96.5	70-130	6.52	25	
Trichloroethene	18.1		µg/l	20.0		90.5	70-130	7.96	25	
Trichlorofluoromethane (Freon 11)	21.4		µg/l	20.0		107	68.2-143	2.76	50	
1,2,3-Trichloropropane	19.0		µg/l	20.0		95.0	70-130	7.11	25	
1,2,4-Trimethylbenzene	19.8		µg/l	20.0		99.0	70-130	1.02	25	
1,3,5-Trimethylbenzene	19.6		µg/l	20.0		98.0	70-130	1.03	25	
Vinyl chloride	24.5		µg/l	20.0		122	70-130	0.00	25	
m,p-Xylene	38.8		µg/l	40.0		97.0	70-130	2.08	25	
o-Xylene	20.7		µg/l	20.0		104	70-130	3.92	25	
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*47.1*		µg/l	*50.0*		*94.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*47.4*		µg/l	*50.0*		*94.8*	*70-130*			
Surrogate: Dibromofluoromethane	*48.3*		µg/l	*50.0*		*96.6*	*70-130*			
Matrix Spike (5090664-MS1)		**Source: SA33788-07**		Prepared & Analyzed: 12-Sep-05						
Benzene	19.4		µg/l	20.0	0.600	94.0	70-130			
Chlorobenzene	22.0		µg/l	20.0	BRL	110	70-130			
1,1-Dichloroethene	18.0		µg/l	20.0	BRL	90.0	70-130			
Toluene	20.0		µg/l	20.0	0.600	97.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090664 - SW846 5030 Water MS										
Matrix Spike (5090664-MS1)		**Source: SA33788-07**		Prepared & Analyzed: 12-Sep-05						
Trichloroethene	19.3		µg/l	20.0	BRL	96.5	70-130			
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*48.0*		µg/l	*50.0*		*96.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		µg/l	*50.0*		*100*	*70-130*			
Matrix Spike Dup (5090664-MSD1)		**Source: SA33788-07**		Prepared & Analyzed: 12-Sep-05						
Benzene	20.1		µg/l	20.0	0.600	97.5	70-130	3.66	30	
Chlorobenzene	21.6		µg/l	20.0	BRL	108	70-130	1.83	30	
1,1-Dichloroethene	18.2		µg/l	20.0	BRL	91.0	70-130	1.10	30	
Toluene	20.7		µg/l	20.0	0.600	100	70-130	3.05	30	
Trichloroethene	19.7		µg/l	20.0	BRL	98.5	70-130	2.05	30	
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		µg/l	*50.0*		*100*	*70-130*			
Batch 5090679 - SW846 5035A Soil (low level)										
Blank (5090679-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	5.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	50.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	25.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	5.0	µg/kg wet							
Chloroform	BRL	10.0	µg/kg wet							
Chloromethane	BRL	5.0	µg/kg wet							
2-Chlorotoluene	BRL	10.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/kg wet							
Dibromochloromethane	BRL	10.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	5.0	µg/kg wet							
1,1-Dichloroethane	BRL	10.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
Blank (5090679-BLK1)				Prepared & Analyzed: 12-Sep-05						
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
Tetrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*44.8*		µg/kg wet	*50.0*		*89.6*	*70-130*			
Surrogate: Toluene-d8	*48.4*		µg/kg wet	*50.0*		*96.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet	*50.0*		*104*	*70-130*			
LCS (5090679-BS1)				Prepared & Analyzed: 12-Sep-05						
Acetone	26.3		µg/kg wet	20.0		132	0.663-201			
Acrylonitrile	16.4		µg/kg wet	20.0		82.0	70-130			
Benzene	16.1		µg/kg wet	20.0		80.5	70-130			
Bromobenzene	19.2		µg/kg wet	20.0		96.0	70-130			
Bromochloromethane	16.5		µg/kg wet	20.0		82.5	70-130			
Bromodichloromethane	16.3		µg/kg wet	20.0		81.5	70-130			
Bromoform	14.2		µg/kg wet	20.0		71.0	70-130			
Bromomethane	19.3		µg/kg wet	20.0		96.5	54-151			
2-Butanone (MEK)	12.3		µg/kg wet	20.0		61.5	6.66-154			
n-Butylbenzene	21.0		µg/kg wet	20.0		105	70-130			
sec-Butylbenzene	21.8		µg/kg wet	20.0		109	70-130			
tert-Butylbenzene	21.2		µg/kg wet	20.0		106	70-130			
Carbon disulfide	20.9		µg/kg wet	20.0		104	70-130			
Carbon tetrachloride	17.1		µg/kg wet	20.0		85.5	70-130			
Chlorobenzene	19.1		µg/kg wet	20.0		95.5	70-130			
Chloroethane	19.1		µg/kg wet	20.0		95.5	64.5-148			
Chloroform	16.7		µg/kg wet	20.0		83.5	70-130			
Chloromethane	15.6		µg/kg wet	20.0		78.0	70-130			
2-Chlorotoluene	19.5		µg/kg wet	20.0		97.5	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS (5090679-BS1)				Prepared & Analyzed: 12-Sep-05						
4-Chlorotoluene	19.9		µg/kg wet	20.0		99.5	70-130			
1,2-Dibromo-3-chloropropane	22.4		µg/kg wet	20.0		112	70-130			
Dibromochloromethane	14.2		µg/kg wet	20.0		71.0	52-148			
1,2-Dibromoethane (EDB)	16.3		µg/kg wet	20.0		81.5	70-130			
Dibromomethane	16.6		µg/kg wet	20.0		83.0	70-130			
1,2-Dichlorobenzene	21.5		µg/kg wet	20.0		108	70-130			
1,3-Dichlorobenzene	20.4		µg/kg wet	20.0		102	70-130			
1,4-Dichlorobenzene	21.8		µg/kg wet	20.0		109	70-130			
Dichlorodifluoromethane (Freon12)	20.1		µg/kg wet	20.0		100	60.6-196			
1,1-Dichloroethane	16.2		µg/kg wet	20.0		81.0	70-130			
1,2-Dichloroethane	16.2		µg/kg wet	20.0		81.0	70-130			
1,1-Dichloroethene	17.9		µg/kg wet	20.0		89.5	70-130			
cis-1,2-Dichloroethene	17.6		µg/kg wet	20.0		88.0	70-130			
trans-1,2-Dichloroethene	17.3		µg/kg wet	20.0		86.5	70-130			
1,2-Dichloropropane	15.2		µg/kg wet	20.0		76.0	70-130			
1,3-Dichloropropane	14.6		µg/kg wet	20.0		73.0	70-130			
2,2-Dichloropropane	13.3		µg/kg wet	20.0		66.5	70-130			QC-2
1,1-Dichloropropene	17.1		µg/kg wet	20.0		85.5	70-130			
cis-1,3-Dichloropropene	14.2		µg/kg wet	20.0		71.0	70-130			
trans-1,3-Dichloropropene	13.8		µg/kg wet	20.0		69.0	70-130			QC-2
Ethylbenzene	19.4		µg/kg wet	20.0		97.0	70-130			
Hexachlorobutadiene	22.5		µg/kg wet	20.0		112	67-154			
2-Hexanone (MBK)	24.8		µg/kg wet	20.0		124	70-130			
Isopropylbenzene	19.5		µg/kg wet	20.0		97.5	70-130			
4-Isopropyltoluene	23.6		µg/kg wet	20.0		118	70-130			
Methyl tert-butyl ether	16.6		µg/kg wet	20.0		83.0	70-130			
4-Methyl-2-pentanone (MIBK)	18.7		µg/kg wet	20.0		93.5	38.8-135			
Methylene chloride	17.3		µg/kg wet	20.0		86.5	70-130			
Naphthalene	23.0		µg/kg wet	20.0		115	70-130			
n-Propylbenzene	20.6		µg/kg wet	20.0		103	70-130			
Styrene	17.9		µg/kg wet	20.0		89.5	70-130			
1,1,1,2-Tetrachloroethane	16.4		µg/kg wet	20.0		82.0	70-130			
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet	20.0		91.0	70-130			
Tetrachloroethene	18.3		µg/kg wet	20.0		91.5	70-130			
Toluene	17.0		µg/kg wet	20.0		85.0	70-130			
1,2,3-Trichlorobenzene	19.4		µg/kg wet	20.0		97.0	70-130			
1,2,4-Trichlorobenzene	18.2		µg/kg wet	20.0		91.0	70-130			
1,1,1-Trichloroethane	18.5		µg/kg wet	20.0		92.5	70-130			
1,1,2-Trichloroethane	15.7		µg/kg wet	20.0		78.5	70-130			
Trichloroethene	18.8		µg/kg wet	20.0		94.0	70-130			
Trichlorofluoromethane (Freon 11)	22.7		µg/kg wet	20.0		114	66.7-150			
1,2,3-Trichloropropane	18.7		µg/kg wet	20.0		93.5	70-130			
1,2,4-Trimethylbenzene	20.2		µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	19.7		µg/kg wet	20.0		98.5	70-130			
Vinyl chloride	17.6		µg/kg wet	20.0		88.0	70-130			
m,p-Xylene	38.6		µg/kg wet	40.0		96.5	70-130			
o-Xylene	19.6		µg/kg wet	20.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/kg wet	*50.0*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*48.8*		µg/kg wet	*50.0*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.6*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
LCS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acetone	23.5		µg/kg wet	20.0		118	0.663-201	11.2	50	
Acrylonitrile	14.8		µg/kg wet	20.0		74.0	70-130	10.3	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
Benzene	15.2		µg/kg wet	20.0		76.0	70-130	5.75	25	
Bromobenzene	17.8		µg/kg wet	20.0		89.0	70-130	7.57	25	
Bromochloromethane	15.2		µg/kg wet	20.0		76.0	70-130	8.20	25	
Bromodichloromethane	15.0		µg/kg wet	20.0		75.0	70-130	8.31	25	
Bromoform	12.9		µg/kg wet	20.0		64.5	70-130	9.59	25	QC-1
Bromomethane	16.5		µg/kg wet	20.0		82.5	54-151	15.6	50	
2-Butanone (MEK)	9.8		µg/kg wet	20.0		49.0	6.66-154	22.6	50	
n-Butylbenzene	20.2		µg/kg wet	20.0		101	70-130	3.88	25	
sec-Butylbenzene	20.7		µg/kg wet	20.0		104	70-130	4.69	25	
tert-Butylbenzene	20.3		µg/kg wet	20.0		102	70-130	3.85	25	
Carbon disulfide	20.1		µg/kg wet	20.0		100	70-130	3.92	25	
Carbon tetrachloride	16.1		µg/kg wet	20.0		80.5	70-130	6.02	25	
Chlorobenzene	17.7		µg/kg wet	20.0		88.5	70-130	7.61	25	
Chloroethane	18.1		µg/kg wet	20.0		90.5	64.5-148	5.38	50	
Chloroform	15.5		µg/kg wet	20.0		77.5	70-130	7.45	25	
Chloromethane	15.5		µg/kg wet	20.0		77.5	70-130	0.643	25	
2-Chlorotoluene	18.3		µg/kg wet	20.0		91.5	70-130	6.35	25	
4-Chlorotoluene	18.2		µg/kg wet	20.0		91.0	70-130	8.92	25	
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet	20.0		99.0	70-130	12.3	25	
Dibromochloromethane	12.9		µg/kg wet	20.0		64.5	52-148	9.59	50	
1,2-Dibromoethane (EDB)	14.7		µg/kg wet	20.0		73.5	70-130	10.3	25	
Dibromomethane	15.0		µg/kg wet	20.0		75.0	70-130	10.1	25	
1,2-Dichlorobenzene	20.3		µg/kg wet	20.0		102	70-130	5.71	25	
1,3-Dichlorobenzene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
1,4-Dichlorobenzene	20.3		µg/kg wet	20.0		102	70-130	6.64	25	
Dichlorodifluoromethane (Freon12)	19.9		µg/kg wet	20.0		99.5	60.6-196	0.501	50	
1,1-Dichloroethane	15.4		µg/kg wet	20.0		77.0	70-130	5.06	25	
1,2-Dichloroethane	15.0		µg/kg wet	20.0		75.0	70-130	7.69	25	
1,1-Dichloroethene	17.4		µg/kg wet	20.0		87.0	70-130	2.83	25	
cis-1,2-Dichloroethene	16.2		µg/kg wet	20.0		81.0	70-130	8.28	25	
trans-1,2-Dichloroethene	16.7		µg/kg wet	20.0		83.5	70-130	3.53	25	
1,2-Dichloropropane	14.1		µg/kg wet	20.0		70.5	70-130	7.51	25	
1,3-Dichloropropane	13.4		µg/kg wet	20.0		67.0	70-130	8.57	25	QC-1
2,2-Dichloropropane	13.1		µg/kg wet	20.0		65.5	70-130	1.52	25	QC-2
1,1-Dichloropropene	16.5		µg/kg wet	20.0		82.5	70-130	3.57	25	
cis-1,3-Dichloropropene	12.9		µg/kg wet	20.0		64.5	70-130	9.59	25	QC-1
trans-1,3-Dichloropropene	12.8		µg/kg wet	20.0		64.0	70-130	7.52	25	QC-2
Ethylbenzene	18.1		µg/kg wet	20.0		90.5	70-130	6.93	25	
Hexachlorobutadiene	23.3		µg/kg wet	20.0		116	67-154	3.51	50	
2-Hexanone (MBK)	22.0		µg/kg wet	20.0		110	70-130	12.0	25	
Isopropylbenzene	18.3		µg/kg wet	20.0		91.5	70-130	6.35	25	
4-Isopropyltoluene	22.6		µg/kg wet	20.0		113	70-130	4.33	25	
Methyl tert-butyl ether	15.0		µg/kg wet	20.0		75.0	70-130	10.1	25	
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet	20.0		79.5	38.8-135	16.2	50	
Methylene chloride	16.2		µg/kg wet	20.0		81.0	70-130	6.57	25	
Naphthalene	20.3		µg/kg wet	20.0		102	70-130	12.0	25	
n-Propylbenzene	19.3		µg/kg wet	20.0		96.5	70-130	6.52	25	
Styrene	16.4		µg/kg wet	20.0		82.0	70-130	8.75	25	
1,1,1,2-Tetrachloroethane	15.3		µg/kg wet	20.0		76.5	70-130	6.94	25	
1,1,2,2-Tetrachloroethane	16.1		µg/kg wet	20.0		80.5	70-130	12.2	25	
Tetrachloroethene	17.3		µg/kg wet	20.0		86.5	70-130	5.62	25	
Toluene	16.2		µg/kg wet	20.0		81.0	70-130	4.82	25	
1,2,3-Trichlorobenzene	17.6		µg/kg wet	20.0		88.0	70-130	9.73	25	
1,2,4-Trichlorobenzene	17.3		µg/kg wet	20.0		86.5	70-130	5.07	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090679 - SW846 5035A Soil (low level)										
LCS Dup (5090679-BSD1)				Prepared & Analyzed: 12-Sep-05						
1,1,1-Trichloroethane	17.8		µg/kg wet	20.0		89.0	70-130	3.86	25	
1,1,2-Trichloroethane	14.4		µg/kg wet	20.0		72.0	70-130	8.64	25	
Trichloroethene	18.0		µg/kg wet	20.0		90.0	70-130	4.35	25	
Trichlorofluoromethane (Freon 11)	21.6		µg/kg wet	20.0		108	66.7-150	5.41	50	
1,2,3-Trichloropropane	16.8		µg/kg wet	20.0		84.0	70-130	10.7	25	
1,2,4-Trimethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	6.12	25	
1,3,5-Trimethylbenzene	18.7		µg/kg wet	20.0		93.5	70-130	5.21	25	
Vinyl chloride	13.7		µg/kg wet	20.0		68.5	70-130	24.9	25	QC-1
m,p-Xylene	35.9		µg/kg wet	40.0		89.8	70-130	7.19	25	
o-Xylene	18.4		µg/kg wet	20.0		92.0	70-130	6.32	25	
Surrogate: 4-Bromofluorobenzene	*47.9*		µg/kg wet	*50.0*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.0*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*51.8*		µg/kg wet	*50.0*		*104*	*70-130*			
Batch 5090765 - SW846 5030 Soil (high level)										
Blank (5090765-BLK1)				Prepared & Analyzed: 13-Sep-05						
Acetone	BRL	20.0	µg/kg wet							
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090765 - SW846 5030 Soil (high level)									
Blank (5090765-BLK1)			Prepared & Analyzed: 13-Sep-05						
cis-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
Ethylbenzene	BRL	1.0 µg/kg wet							
Hexachlorobutadiene	BRL	1.0 µg/kg wet							
2-Hexanone (MBK)	BRL	10.0 µg/kg wet							
Isopropylbenzene	BRL	1.0 µg/kg wet							
4-Isopropyltoluene	BRL	1.0 µg/kg wet							
Methyl tert-butyl ether	BRL	1.0 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/kg wet							
Methylene chloride	BRL	10.0 µg/kg wet							
Naphthalene	BRL	1.0 µg/kg wet							
n-Propylbenzene	BRL	1.0 µg/kg wet							
Styrene	BRL	1.0 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
Tetrachloroethene	BRL	1.0 µg/kg wet							
Toluene	BRL	1.0 µg/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0 µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0 µg/kg wet							
Trichloroethene	BRL	1.0 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 µg/kg wet							
Vinyl chloride	BRL	1.0 µg/kg wet							
m,p-Xylene	BRL	2.0 µg/kg wet							
o-Xylene	BRL	1.0 µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*51.5*	µg/kg wet	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*48.9*	µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*	µg/kg wet	*50.0*		*94.0*	*70-130*			
Surrogate: Dibromofluoromethane	*49.3*	µg/kg wet	*50.0*		*98.6*	*70-130*			
LCS (5090765-BS1)			Prepared & Analyzed: 13-Sep-05						
Acetone	15.8	µg/kg wet	20.0		79.0	0.663-201			
Acrylonitrile	17.9	µg/kg wet	20.0		89.5	70-130			
Benzene	18.1	µg/kg wet	20.0		90.5	70-130			
Bromobenzene	20.0	µg/kg wet	20.0		100	70-130			
Bromochloromethane	19.0	µg/kg wet	20.0		95.0	70-130			
Bromodichloromethane	19.4	µg/kg wet	20.0		97.0	70-130			
Bromoform	20.9	µg/kg wet	20.0		104	70-130			
Bromomethane	18.9	µg/kg wet	20.0		94.5	54-151			
2-Butanone (MEK)	16.9	µg/kg wet	20.0		84.5	6.66-154			
n-Butylbenzene	17.7	µg/kg wet	20.0		88.5	70-130			
sec-Butylbenzene	19.5	µg/kg wet	20.0		97.5	70-130			
tert-Butylbenzene	20.6	µg/kg wet	20.0		103	70-130			
Carbon disulfide	16.9	µg/kg wet	20.0		84.5	70-130			
Carbon tetrachloride	18.1	µg/kg wet	20.0		90.5	70-130			
Chlorobenzene	20.1	µg/kg wet	20.0		100	70-130			
Chloroethane	18.8	µg/kg wet	20.0		94.0	64.5-148			
Chloroform	16.8	µg/kg wet	20.0		84.0	70-130			
Chloromethane	22.0	µg/kg wet	20.0		110	70-130			
2-Chlorotoluene	19.1	µg/kg wet	20.0		95.5	70-130			
4-Chlorotoluene	19.2	µg/kg wet	20.0		96.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090765 - SW846 5030 Soil (high level)										
LCS (5090765-BS1)				Prepared & Analyzed: 13-Sep-05						
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet	20.0		103	70-130			
Dibromochloromethane	19.8		µg/kg wet	20.0		99.0	52-148			
1,2-Dibromoethane (EDB)	19.1		µg/kg wet	20.0		95.5	70-130			
Dibromomethane	18.9		µg/kg wet	20.0		94.5	70-130			
1,2-Dichlorobenzene	19.9		µg/kg wet	20.0		99.5	70-130			
1,3-Dichlorobenzene	20.7		µg/kg wet	20.0		104	70-130			
1,4-Dichlorobenzene	18.5		µg/kg wet	20.0		92.5	70-130			
Dichlorodifluoromethane (Freon12)	25.8		µg/kg wet	20.0		129	60.6-196			
1,1-Dichloroethane	18.3		µg/kg wet	20.0		91.5	70-130			
1,2-Dichloroethane	18.4		µg/kg wet	20.0		92.0	70-130			
1,1-Dichloroethene	17.4		µg/kg wet	20.0		87.0	70-130			
cis-1,2-Dichloroethene	18.1		µg/kg wet	20.0		90.5	70-130			
trans-1,2-Dichloroethene	17.3		µg/kg wet	20.0		86.5	70-130			
1,2-Dichloropropane	19.0		µg/kg wet	20.0		95.0	70-130			
1,3-Dichloropropane	19.1		µg/kg wet	20.0		95.5	70-130			
2,2-Dichloropropane	15.8		µg/kg wet	20.0		79.0	70-130			
1,1-Dichloropropene	17.7		µg/kg wet	20.0		88.5	70-130			
cis-1,3-Dichloropropene	18.0		µg/kg wet	20.0		90.0	70-130			
trans-1,3-Dichloropropene	17.9		µg/kg wet	20.0		89.5	70-130			
Ethylbenzene	19.3		µg/kg wet	20.0		96.5	70-130			
Hexachlorobutadiene	19.5		µg/kg wet	20.0		97.5	67-154			
2-Hexanone (MBK)	16.2		µg/kg wet	20.0		81.0	70-130			
Isopropylbenzene	19.2		µg/kg wet	20.0		96.0	70-130			
4-Isopropyltoluene	19.5		µg/kg wet	20.0		97.5	70-130			
Methyl tert-butyl ether	18.6		µg/kg wet	20.0		93.0	70-130			
4-Methyl-2-pentanone (MIBK)	17.8		µg/kg wet	20.0		89.0	38.8-135			
Methylene chloride	17.7		µg/kg wet	20.0		88.5	70-130			
Naphthalene	22.4		µg/kg wet	20.0		112	70-130			
n-Propylbenzene	19.2		µg/kg wet	20.0		96.0	70-130			
Styrene	19.6		µg/kg wet	20.0		98.0	70-130			
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130			
1,1,2,2-Tetrachloroethane	20.5		µg/kg wet	20.0		102	70-130			
Tetrachloroethene	18.5		µg/kg wet	20.0		92.5	70-130			
Toluene	18.0		µg/kg wet	20.0		90.0	70-130			
1,2,3-Trichlorobenzene	20.1		µg/kg wet	20.0		100	70-130			
1,2,4-Trichlorobenzene	19.4		µg/kg wet	20.0		97.0	70-130			
1,1,1-Trichloroethane	18.2		µg/kg wet	20.0		91.0	70-130			
1,1,2-Trichloroethane	19.5		µg/kg wet	20.0		97.5	70-130			
Trichloroethene	17.7		µg/kg wet	20.0		88.5	70-130			
Trichlorofluoromethane (Freon 11)	20.1		µg/kg wet	20.0		100	66.7-150			
1,2,3-Trichloropropane	20.2		µg/kg wet	20.0		101	70-130			
1,2,4-Trimethylbenzene	20.3		µg/kg wet	20.0		102	70-130			
1,3,5-Trimethylbenzene	19.9		µg/kg wet	20.0		99.5	70-130			
Vinyl chloride	20.9		µg/kg wet	20.0		104	70-130			
m,p-Xylene	39.3		µg/kg wet	40.0		98.2	70-130			
o-Xylene	20.8		µg/kg wet	20.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*47.5*		µg/kg wet	*50.0*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*47.9*		µg/kg wet	*50.0*		*95.8*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		µg/kg wet	*50.0*		*97.2*	*70-130*			
LCS Dup (5090765-BSD1)				Prepared & Analyzed: 13-Sep-05						
Acetone	17.6		µg/kg wet	20.0		88.0	0.663-201	10.8	50	
Acrylonitrile	18.5		µg/kg wet	20.0		92.5	70-130	3.30	25	
Benzene	17.9		µg/kg wet	20.0		89.5	70-130	1.11	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090765 - SW846 5030 Soil (high level)										
LCS Dup (5090765-BSD1)				Prepared & Analyzed: 13-Sep-05						
Bromobenzene	20.9		µg/kg wet	20.0		104	70-130	3.92	25	
Bromochloromethane	19.1		µg/kg wet	20.0		95.5	70-130	0.525	25	
Bromodichloromethane	19.8		µg/kg wet	20.0		99.0	70-130	2.04	25	
Bromoform	21.6		µg/kg wet	20.0		108	70-130	3.77	25	
Bromomethane	18.3		µg/kg wet	20.0		91.5	54-151	3.23	50	
2-Butanone (MEK)	15.5		µg/kg wet	20.0		77.5	6.66-154	8.64	50	
n-Butylbenzene	18.5		µg/kg wet	20.0		92.5	70-130	4.42	25	
sec-Butylbenzene	20.2		µg/kg wet	20.0		101	70-130	3.53	25	
tert-Butylbenzene	21.2		µg/kg wet	20.0		106	70-130	2.87	25	
Carbon disulfide	16.9		µg/kg wet	20.0		84.5	70-130	0.00	25	
Carbon tetrachloride	18.1		µg/kg wet	20.0		90.5	70-130	0.00	25	
Chlorobenzene	20.1		µg/kg wet	20.0		100	70-130	0.00	25	
Chloroethane	19.4		µg/kg wet	20.0		97.0	64.5-148	3.14	50	
Chloroform	16.9		µg/kg wet	20.0		84.5	70-130	0.593	25	
Chloromethane	22.3		µg/kg wet	20.0		112	70-130	1.80	25	
2-Chlorotoluene	19.6		µg/kg wet	20.0		98.0	70-130	2.58	25	
4-Chlorotoluene	19.2		µg/kg wet	20.0		96.0	70-130	0.00	25	
1,2-Dibromo-3-chloropropane	22.8		µg/kg wet	20.0		114	70-130	10.1	25	
Dibromochloromethane	20.4		µg/kg wet	20.0		102	52-148	2.99	50	
1,2-Dibromoethane (EDB)	19.9		µg/kg wet	20.0		99.5	70-130	4.10	25	
Dibromomethane	20.0		µg/kg wet	20.0		100	70-130	5.66	25	
1,2-Dichlorobenzene	20.7		µg/kg wet	20.0		104	70-130	4.42	25	
1,3-Dichlorobenzene	20.9		µg/kg wet	20.0		104	70-130	0.00	25	
1,4-Dichlorobenzene	19.4		µg/kg wet	20.0		97.0	70-130	4.75	25	
Dichlorodifluoromethane (Freon12)	25.0		µg/kg wet	20.0		125	60.6-196	3.15	50	
,1-Dichloroethane	18.7		µg/kg wet	20.0		93.5	70-130	2.16	25	
1,2-Dichloroethane	19.2		µg/kg wet	20.0		96.0	70-130	4.26	25	
1,1-Dichloroethene	17.1		µg/kg wet	20.0		85.5	70-130	1.74	25	
cis-1,2-Dichloroethene	18.8		µg/kg wet	20.0		94.0	70-130	3.79	25	
trans-1,2-Dichloroethene	17.6		µg/kg wet	20.0		88.0	70-130	1.72	25	
1,2-Dichloropropane	19.4		µg/kg wet	20.0		97.0	70-130	2.08	25	
1,3-Dichloropropane	19.5		µg/kg wet	20.0		97.5	70-130	2.07	25	
2,2-Dichloropropane	16.3		µg/kg wet	20.0		81.5	70-130	3.12	25	
1,1-Dichloropropene	18.1		µg/kg wet	20.0		90.5	70-130	2.23	25	
cis-1,3-Dichloropropene	18.8		µg/kg wet	20.0		94.0	70-130	4.35	25	
trans-1,3-Dichloropropene	18.6		µg/kg wet	20.0		93.0	70-130	3.84	25	
Ethylbenzene	19.7		µg/kg wet	20.0		98.5	70-130	2.05	25	
Hexachlorobutadiene	21.2		µg/kg wet	20.0		106	67-154	8.35	50	
2-Hexanone (MBK)	16.9		µg/kg wet	20.0		84.5	70-130	4.23	25	
Isopropylbenzene	19.5		µg/kg wet	20.0		97.5	70-130	1.55	25	
4-Isopropyltoluene	20.3		µg/kg wet	20.0		102	70-130	4.51	25	
Methyl tert-butyl ether	19.1		µg/kg wet	20.0		95.5	70-130	2.65	25	
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet	20.0		90.0	38.8-135	1.12	50	
Methylene chloride	17.4		µg/kg wet	20.0		87.0	70-130	1.71	25	
Naphthalene	21.8		µg/kg wet	20.0		109	70-130	2.71	25	
n-Propylbenzene	19.8		µg/kg wet	20.0		99.0	70-130	3.08	25	
Styrene	20.2		µg/kg wet	20.0		101	70-130	3.02	25	
1,1,1,2-Tetrachloroethane	20.7		µg/kg wet	20.0		104	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet	20.0		108	70-130	5.71	25	
Tetrachloroethene	18.7		µg/kg wet	20.0		93.5	70-130	1.08	25	
Toluene	18.6		µg/kg wet	20.0		93.0	70-130	3.28	25	
1,2,3-Trichlorobenzene	20.6		µg/kg wet	20.0		103	70-130	2.96	25	
,2,4-Trichlorobenzene	19.8		µg/kg wet	20.0		99.0	70-130	2.04	25	
1,1,1-Trichloroethane	18.5		µg/kg wet	20.0		92.5	70-130	1.63	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090765 - SW846 5030 Soil (high level)										
LCS Dup (5090765-BSD1)				Prepared & Analyzed: 13-Sep-05						
1,1,2-Trichloroethane	19.4		µg/kg wet	20.0		97.0	70-130	0.514	25	
Trichloroethene	18.6		µg/kg wet	20.0		93.0	70-130	4.96	25	
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet	20.0		97.5	66.7-150	2.53	50	
1,2,3-Trichloropropane	21.4		µg/kg wet	20.0		107	70-130	5.77	25	
1,2,4-Trimethylbenzene	20.6		µg/kg wet	20.0		103	70-130	0.976	25	
1,3,5-Trimethylbenzene	20.1		µg/kg wet	20.0		100	70-130	0.501	25	
Vinyl chloride	21.4		µg/kg wet	20.0		107	70-130	2.84	25	
m,p-Xylene	40.2		µg/kg wet	40.0		100	70-130	1.82	25	
o-Xylene	21.3		µg/kg wet	20.0		106	70-130	1.90	25	
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*48.0*		µg/kg wet	*50.0*		*96.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		µg/kg wet	*50.0*		*97.2*	*70-130*			
Matrix Spike (5090765-MS1)		**Source: SA33785-01**		Prepared & Analyzed: 13-Sep-05						
Benzene	18.5		µg/kg dry	20.0	BRL	92.5	70-130			
Chlorobenzene	23.3		µg/kg dry	20.0	BRL	116	70-130			
1,1-Dichloroethene	16.7		µg/kg dry	20.0	BRL	83.5	70-130			
Toluene	20.3		µg/kg dry	20.0	BRL	102	70-130			
Trichloroethene	19.1		µg/kg dry	20.0	BRL	95.5	70-130			
Surrogate: 4-Bromofluorobenzene	*56.7*		µg/kg dry	*50.0*		*113*	*70-130*			
Surrogate: Toluene-d8	*50.6*		µg/kg dry	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/kg dry	*50.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		µg/kg dry	*50.0*		*99.2*	*70-130*			
Matrix Spike Dup (5090765-MSD1)		**Source: SA33785-01**		Prepared & Analyzed: 13-Sep-05						
Benzene	19.0		µg/kg dry	20.0	BRL	95.0	70-130	2.67	30	
Chlorobenzene	21.8		µg/kg dry	20.0	BRL	109	70-130	6.22	30	
1,1-Dichloroethene	17.8		µg/kg dry	20.0	BRL	89.0	70-130	6.38	30	
Toluene	19.4		µg/kg dry	20.0	BRL	97.0	70-130	5.03	30	
Trichloroethene	19.2		µg/kg dry	20.0	BRL	96.0	70-130	0.522	30	
Surrogate: 4-Bromofluorobenzene	*54.9*		µg/kg dry	*50.0*		*110*	*70-130*			
Surrogate: Toluene-d8	*48.6*		µg/kg dry	*50.0*		*97.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/kg dry	*50.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*52.3*		µg/kg dry	*50.0*		*105*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090640 - SW846 3550B										
Blank (5090640-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.28*		mg/kg wet	*3.33*		*68.5*	*40-140*			
LCS (5090640-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
C9-C36 Aliphatic Hydrocarbons	88.1	13.3	mg/kg wet	93.3		94.4	40-140			
Surrogate: 1-Chlorooctadecane	*4.57*		mg/kg wet	*3.33*		*137*	*40-140*			
Duplicate (5090640-DUP1)		**Source: SA33716-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Gasoline	BRL	28.5	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	28.5	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	28.5	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	28.5	mg/kg dry		BRL				50	
Motor Oil	BRL	28.5	mg/kg dry		BRL				50	
Aviation Fuel	BRL	28.5	mg/kg dry		BRL				50	
Unidentified	31.3	28.5	mg/kg dry		248			155	50	QM-04
Other Oil	Calculated as	28.5	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	31.3	28.5	mg/kg dry		248			155	50	QM-04
C9-C36 Aliphatic Hydrocarbons	31.3	28.5	mg/kg dry		248			155	50	QM-04
Surrogate: 1-Chlorooctadecane	*2.65*		mg/kg dry	*3.57*		*74.2*	*40-140*			
Matrix Spike (5090640-MS1)		**Source: SA33716-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
C9-C36 Aliphatic Hydrocarbons	594	14.1	mg/kg dry	98.6	248	351	40-140			QM-02
Surrogate: 1-Chlorooctadecane	*14.6*		mg/kg dry	*3.52*		*415*	*40-140*			*S-02*
Matrix Spike Dup (5090640-MSD1)		**Source: SA33716-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
C9-C36 Aliphatic Hydrocarbons	140	14.2	mg/kg dry	100	248	NR	40-140	NR	30	QM-02
Surrogate: 1-Chlorooctadecane	*4.89*		mg/kg dry	*3.57*		*137*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090638 - SW846 3545A										
Blank (5090638-BLK1)				Prepared & Analyzed: 12-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet	*28.6*		*59.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*34.3*		µg/kg wet	*28.6*		*120*	*30-150*			
LCS (5090638-BS1)				Prepared & Analyzed: 12-Sep-05						
PCB 1016	249	28.6	µg/kg wet	357		69.7	40-140			
PCB 1260	363	28.6	µg/kg wet	357		102	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet	*28.6*		*54.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet	*28.6*		*105*	*30-150*			
Duplicate (5090638-DUP1)				**Source: SA33619-36RE1** Prepared & Analyzed: 12-Sep-05						
PCB 1016	BRL	29.6	µg/kg dry		BRL				40	
PCB 1221	BRL	29.6	µg/kg dry		BRL				40	
PCB 1232	BRL	29.6	µg/kg dry		BRL				40	
PCB 1242	BRL	29.6	µg/kg dry		BRL				40	
PCB 1248	BRL	29.6	µg/kg dry		BRL				40	
PCB 1254	833	29.6	µg/kg dry		1020			20.2	40	
PCB 1260	BRL	29.6	µg/kg dry		BRL				40	
PCB 1262	BRL	29.6	µg/kg dry		BRL				40	
PCB 1268	BRL	29.6	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.7*		µg/kg dry	*29.6*		*80.1*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*35.5*		µg/kg dry	*29.6*		*120*	*30-150*			
Duplicate (5090638-DUP2)				**Source: SA33619-39RE1** Prepared & Analyzed: 12-Sep-05						
PCB 1016	BRL	39.0	µg/kg dry		BRL				40	
PCB 1221	BRL	39.0	µg/kg dry		BRL				40	
PCB 1232	BRL	39.0	µg/kg dry		BRL				40	
PCB 1242	BRL	39.0	µg/kg dry		BRL				40	
PCB 1248	BRL	39.0	µg/kg dry		BRL				40	
PCB 1254	BRL	39.0	µg/kg dry		BRL				40	
PCB 1260	835	39.0	µg/kg dry		1010			19.0	40	
PCB 1262	BRL	39.0	µg/kg dry		BRL				40	
PCB 1268	BRL	39.0	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.4*		µg/kg dry	*38.9*		*60.2*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*42.8*		µg/kg dry	*38.9*		*110*	*30-150*			
Matrix Spike (5090638-MS1)				**Source: SA33619-36RE1** Prepared & Analyzed: 12-Sep-05						
PCB 1016	327	31.2	µg/kg dry	390	BRL	83.8	40-140			
PCB 1260	479	31.2	µg/kg dry	390	BRL	123	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.3*		µg/kg dry	*31.2*		*65.1*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*35.9*		µg/kg dry	*31.2*		*115*	*30-150*			
Matrix Spike (5090638-MS2)				**Source: SA33619-39RE1** Prepared & Analyzed: 12-Sep-05						
PCB 1016	410	36.1	µg/kg dry	451	BRL	90.9	40-140			
PCB 1260	1210	36.1	µg/kg dry	451	1010	44.3	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.5*		µg/kg dry	*36.1*		*65.1*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*43.3*		µg/kg dry	*36.1*		*120*	*30-150*			
Matrix Spike Dup (5090638-MSD1)				**Source: SA33619-36RE1** Prepared & Analyzed: 12-Sep-05						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090638 - SW846 3545A										
Matrix Spike Dup (5090638-MSD1)		**Source: SA33619-36RE1**		Prepared & Analyzed: 12-Sep-05						
PCB 1016	790	73.2	µg/kg dry	914	BRL	86.4	40-140	3.06	50	
PCB 1260	1100	73.2	µg/kg dry	914	BRL	120	40-140	2.47	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*47.5*		µg/kg dry	*73.1*		*65.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*87.8*		µg/kg dry	*73.1*		*120*	*30-150*			
Matrix Spike Dup (5090638-MSD2)		**Source: SA33619-39RE1**		Prepared & Analyzed: 12-Sep-05						
PCB 1016	422	41.6	µg/kg dry	520	BRL	81.2	40-140	11.3	50	
PCB 1260	1380	41.6	µg/kg dry	520	1010	71.2	40-140	46.6	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.0*		µg/kg dry	*41.6*		*64.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*49.9*		µg/kg dry	*41.6*		*120*	*30-150*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
Blank (5090641-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3′-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
Blank (5090641-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*4110*		µg/kg wet	*6670*		*61.6*	*30-130*			
Surrogate: 2-Fluorophenol	*4220*		µg/kg wet	*6670*		*63.3*	*15-110*			
Surrogate: Nitrobenzene-d5	*4030*		µg/kg wet	*6670*		*60.4*	*30-130*			
Surrogate: Phenol-d5	*3890*		µg/kg wet	*6670*		*58.3*	*15-110*			
Surrogate: Terphenyl-dl4	*4600*		µg/kg wet	*6670*		*69.0*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3550*		µg/kg wet	*6670*		*53.2*	*15-110*			
LCS (5090641-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acenaphthene	4130	330	µg/kg wet	6670		61.9	40-130			
Acenaphthylene	4510	330	µg/kg wet	6670		67.6	40-130			
Aniline	5090	330	µg/kg wet	6670		76.3	40-130			
Anthracene	4630	330	µg/kg wet	6670		69.4	40-130			
Atrazine	9570	330	µg/kg wet	6670		143	40-130			QC-2
Azobenzene/Diphenyldiazine	4350	330	µg/kg wet	6670		65.2	40-130			
Benzidine	7090	330	µg/kg wet	6670		106	40-130			
Benzo (a) anthracene	4370	330	µg/kg wet	6670		65.5	40-130			
Benzo (a) pyrene	4570	330	µg/kg wet	6670		68.5	40-130			
Benzo (b) fluoranthene	4510	330	µg/kg wet	6670		67.6	40-130			
Benzo (g,h,i) perylene	3950	330	µg/kg wet	6670		59.2	40-130			
Benzo (k) fluoranthene	4390	330	µg/kg wet	6670		65.8	40-130			
Benzoic acid	3470	330	µg/kg wet	6670		52.0	40-130			
Benzyl alcohol	4860	330	µg/kg wet	6670		72.9	40-130			
Bis(2-chloroethoxy)methane	4250	330	µg/kg wet	6670		63.7	40-130			
Bis(2-chloroethyl)ether	4080	330	µg/kg wet	6670		61.2	40-130			
Bis(2-chloroisopropyl)ether	5050	330	µg/kg wet	6670		75.7	40-130			
Bis(2-ethylhexyl)phthalate	4620	330	µg/kg wet	6670		69.3	40-130			
4-Bromophenyl phenyl ether	4610	330	µg/kg wet	6670		69.1	40-130			
Butyl benzyl phthalate	4650	330	µg/kg wet	6670		69.7	40-130			
Carbazole	5140	330	µg/kg wet	6670		77.1	40-130			
4-Chloro-3-methylphenol	4300	330	µg/kg wet	6670		64.5	40-130			
4-Chloroaniline	4010	330	µg/kg wet	6670		60.1	40-130			
2-Chloronaphthalene	4270	330	µg/kg wet	6670		64.0	40-130			
2-Chlorophenol	4250	330	µg/kg wet	6670		63.7	40-130			
4-Chlorophenyl phenyl ether	4340	330	µg/kg wet	6670		65.1	40-130			
Chrysene	4430	330	µg/kg wet	6670		66.4	40-130			
Dibenzo (a,h) anthracene	4270	330	µg/kg wet	6670		64.0	40-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
LCS (5090641-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Dibenzofuran	4170	330	µg/kg wet	6670		62.5	40-130			
1,2-Dichlorobenzene	4150	330	µg/kg wet	6670		62.2	40-130			
1,3-Dichlorobenzene	4220	330	µg/kg wet	6670		63.3	40-130			
1,4-Dichlorobenzene	4040	330	µg/kg wet	6670		60.6	40-130			
3,3'-Dichlorobenzidine	4530	330	µg/kg wet	6670		67.9	40-130			
2,4-Dichlorophenol	4330	330	µg/kg wet	6670		64.9	40-130			
Diethyl phthalate	4390	330	µg/kg wet	6670		65.8	40-130			
Dimethyl phthalate	4360	330	µg/kg wet	6670		65.4	40-130			
2,4-Dimethylphenol	4380	330	µg/kg wet	6670		65.7	40-130			
Di-n-butyl phthalate	4520	330	µg/kg wet	6670		67.8	40-130			
4,6-Dinitro-2-methylphenol	4740	330	µg/kg wet	6670		71.1	40-130			
2,4-Dinitrophenol	3890	330	µg/kg wet	6670		58.3	40-130			
2,4-Dinitrotoluene	4550	330	µg/kg wet	6670		68.2	40-130			
2,6-Dinitrotoluene	4630	330	µg/kg wet	6670		69.4	40-130			
Di-n-octyl phthalate	4740	330	µg/kg wet	6670		71.1	40-130			
Fluoranthene	4510	330	µg/kg wet	6670		67.6	40-130			
Fluorene	4330	330	µg/kg wet	6670		64.9	40-130			
Hexachlorobenzene	4580	330	µg/kg wet	6670		68.7	40-130			
Hexachlorobutadiene	4160	330	µg/kg wet	6670		62.4	40-130			
Hexachlorocyclopentadiene	4660	330	µg/kg wet	6670		69.9	40-130			
Hexachloroethane	4110	330	µg/kg wet	6670		61.6	40-130			
Indeno (1,2,3-cd) pyrene	4240	330	µg/kg wet	6670		63.6	40-130			
Isophorone	4310	330	µg/kg wet	6670		64.6	40-130			
1-Methylnaphthalene	4040	330	µg/kg wet	6670		60.6	40-140			
2-Methylnaphthalene	4240	330	µg/kg wet	6670		63.6	40-130			
2-Methylphenol	4380	330	µg/kg wet	6670		65.7	40-130			
3,4-Methylphenol	4480	330	µg/kg wet	6670		67.2	40-130			
Naphthalene	4090	330	µg/kg wet	6670		61.3	40-130			
2-Nitroaniline	4160	330	µg/kg wet	6670		62.4	40-130			
3-Nitroaniline	4030	330	µg/kg wet	6670		60.4	40-130			
4-Nitroaniline	4720	1320	µg/kg wet	6670		70.8	40-130			
Nitrobenzene	4190	330	µg/kg wet	6670		62.8	40-130			
2-Nitrophenol	4530	330	µg/kg wet	6670		67.9	40-130			
4-Nitrophenol	4070	1320	µg/kg wet	6670		61.0	40-130			
N-Nitrosodimethylamine	5190	330	µg/kg wet	6670		77.8	40-130			
N-Nitrosodi-n-propylamine	4410	330	µg/kg wet	6670		66.1	40-130			
N-Nitrosodiphenylamine	5170	330	µg/kg wet	6670		77.5	40-130			
Pentachlorophenol	5390	1320	µg/kg wet	6670		80.8	40-130			
Phenanthrene	4390	330	µg/kg wet	6670		65.8	40-130			
Phenol	4380	330	µg/kg wet	6670		65.7	40-130			
Pyrene	4380	330	µg/kg wet	6670		65.7	40-130			
Pyridine	3030	330	µg/kg wet	6670		45.4	40-130			
1,2,4-Trichlorobenzene	4180	330	µg/kg wet	6670		62.7	40-130			
2,4,5-Trichlorophenol	4500	330	µg/kg wet	6670		67.5	40-130			
2,4,6-Trichlorophenol	4410	330	µg/kg wet	6670		66.1	40-130			
Surrogate: 2-Fluorobiphenyl	*3990*		µg/kg wet	*6670*		*59.8*	*30-130*			
Surrogate: 2-Fluorophenol	*3430*		µg/kg wet	*6670*		*51.4*	*15-110*			
Surrogate: Nitrobenzene-d5	*3820*		µg/kg wet	*6670*		*57.3*	*30-130*			
Surrogate: Phenol-d5	*3050*		µg/kg wet	*6670*		*45.7*	*15-110*			
Surrogate: Terphenyl-dl4	*4120*		µg/kg wet	*6670*		*61.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4090*		µg/kg wet	*6670*		*61.3*	*15-110*			
Duplicate (5090641-DUP1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acenaphthene	BRL	267	µg/kg dry		BRL				50	
Acenaphthylene	BRL	267	µg/kg dry		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
Duplicate (5090641-DUP1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Aniline	BRL	267	µg/kg dry		BRL				50	
Anthracene	BRL	267	µg/kg dry		111			7.48	50	
Atrazine	BRL	267	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	267	µg/kg dry		BRL				50	
Benzidine	BRL	267	µg/kg dry		BRL				50	
Benzo (a) anthracene	BRL	267	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	267	µg/kg dry		24.1				50	
Benzo (b) fluoranthene	BRL	267	µg/kg dry		39.3				50	
Benzo (g,h,i) perylene	BRL	267	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	267	µg/kg dry		45.1				50	
Benzoic acid	BRL	267	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	267	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	267	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	267	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	267	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	267	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	267	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	267	µg/kg dry		45.6				50	
Carbazole	BRL	267	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	267	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	267	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	267	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	267	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	267	µg/kg dry		BRL				50	
Chrysene	BRL	267	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	267	µg/kg dry		BRL				50	
Dibenzofuran	BRL	267	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	267	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	267	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	267	µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	267	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	267	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	267	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	267	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	267	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	267	µg/kg dry		48.7			54.0	50	QM-04
4,6-Dinitro-2-methylphenol	BRL	267	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	267	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	267	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	267	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	267	µg/kg dry		BRL				50	
Fluoranthene	BRL	267	µg/kg dry		BRL				50	
Fluorene	BRL	267	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	267	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	267	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	267	µg/kg dry		BRL				50	
Hexachloroethane	BRL	267	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	267	µg/kg dry		BRL				50	
Isophorone	BRL	267	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	267	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	267	µg/kg dry		BRL				50	
2-Methylphenol	BRL	267	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	267	µg/kg dry		BRL				50	
Naphthalene	BRL	267	µg/kg dry		BRL				50	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
Duplicate (5090641-DUP1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
2-Nitroaniline	BRL	267	µg/kg dry		25.7			39.1	50	
3-Nitroaniline	BRL	267	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	1070	µg/kg dry		BRL				50	
Nitrobenzene	BRL	267	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	267	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	1070	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	267	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	267	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	267	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	1070	µg/kg dry		BRL				50	
Phenanthrene	646	267	µg/kg dry		396			48.0	50	
Phenol	BRL	267	µg/kg dry		BRL				50	
Pyrene	BRL	267	µg/kg dry		BRL				50	
Pyridine	BRL	267	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	267	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	267	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	267	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*1540*		µg/kg dry	*2690*		*57.2*	*30-130*			
Surrogate: 2-Fluorophenol	*1390*		µg/kg dry	*2690*		*51.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*1320*		µg/kg dry	*2690*		*49.1*	*30-130*			
Surrogate: Phenol-d5	*1370*		µg/kg dry	*2690*		*50.9*	*15-110*			
Surrogate: Terphenyl-dl4	*2700*		µg/kg dry	*2690*		*100*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1770*		µg/kg dry	*2690*		*65.8*	*15-110*			
Matrix Spike (5090641-MS1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acenaphthene	3350	260	µg/kg dry	5260	BRL	63.7	40-140			
4-Chloro-3-methylphenol	7850	260	µg/kg dry	10500	BRL	74.8	30-130			
2-Chlorophenol	6680	260	µg/kg dry	10500	BRL	63.6	30-130			
1,4-Dichlorobenzene	3120	260	µg/kg dry	5260	BRL	59.3	40-140			
2,4-Dinitrotoluene	3550	260	µg/kg dry	5260	BRL	67.5	40-140			
4-Nitrophenol	7250	1040	µg/kg dry	10500	BRL	69.0	30-130			
N-Nitrosodi-n-propylamine	3300	260	µg/kg dry	5260	BRL	62.7	40-140			
Pentachlorophenol	8560	1040	µg/kg dry	10500	BRL	81.5	30-130			
Phenol	6020	260	µg/kg dry	10500	BRL	57.3	30-130			
Pyrene	4820	260	µg/kg dry	5260	BRL	91.6	40-140			
1,2,4-Trichlorobenzene	3250	260	µg/kg dry	5260	BRL	61.8	40-140			
Surrogate: 2-Fluorobiphenyl	*2930*		µg/kg dry	*5260*		*55.7*	*30-130*			
Surrogate: 2-Fluorophenol	*2440*		µg/kg dry	*5260*		*46.4*	*15-110*			
Surrogate: Nitrobenzene-d5	*2670*		µg/kg dry	*5260*		*50.8*	*30-130*			
Surrogate: Phenol-d5	*2310*		µg/kg dry	*5260*		*43.9*	*15-110*			
Surrogate: Terphenyl-dl4	*3980*		µg/kg dry	*5260*		*75.7*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3530*		µg/kg dry	*5260*		*67.1*	*15-110*			
Matrix Spike Dup (5090641-MSD1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acenaphthene	3360	263	µg/kg dry	5300	BRL	63.4	40-140	0.472	30	
4-Chloro-3-methylphenol	7730	263	µg/kg dry	10600	BRL	72.9	30-130	2.57	30	
2-Chlorophenol	6260	263	µg/kg dry	10600	BRL	59.1	30-130	7.33	30	
1,4-Dichlorobenzene	2980	263	µg/kg dry	5300	BRL	56.2	40-140	5.37	30	
2,4-Dinitrotoluene	3410	263	µg/kg dry	5300	BRL	64.3	40-140	4.86	30	
4-Nitrophenol	6990	1050	µg/kg dry	10600	BRL	65.9	30-130	4.60	30	
N-Nitrosodi-n-propylamine	2880	263	µg/kg dry	5300	BRL	54.3	40-140	14.4	30	
Pentachlorophenol	8210	1050	µg/kg dry	10600	BRL	77.5	30-130	5.03	30	
Phenol	5390	263	µg/kg dry	10600	BRL	50.8	30-130	12.0	30	
Pyrene	6010	263	µg/kg dry	5300	BRL	113	40-140	20.9	30	
1,2,4-Trichlorobenzene	3330	263	µg/kg dry	5300	BRL	62.8	40-140	1.61	30	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090641 - SW846 3550B										
Matrix Spike Dup (5090641-MSD1)		**Source: SA33788-02**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Surrogate: 2-Fluorobiphenyl	*2850*		µg/kg dry	*5300*		*53.8*	*30-130*			
Surrogate: 2-Fluorophenol	*2100*		µg/kg dry	*5300*		*39.6*	*15-110*			
Surrogate: Nitrobenzene-d5	*2330*		µg/kg dry	*5300*		*44.0*	*30-130*			
Surrogate: Phenol-d5	*2110*		µg/kg dry	*5300*		*39.8*	*15-110*			
Surrogate: Terphenyl-dl4	*4960*		µg/kg dry	*5300*		*93.6*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3350*		µg/kg dry	*5300*		*63.2*	*15-110*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090661 - EPA200/SW7000 Series										
Blank (5090661-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	BRL	0.179	mg/kg							
LCS (5090661-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	0.899	0.179	mg/kg	0.893		101	80-120			
Duplicate (5090661-DUP1)		**Source: SA33563-05**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	BRL	0.155	mg/kg		BRL				35	
Matrix Spike (5090661-MS1)		**Source: SA33788-03**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	1.23	0.178	mg/kg	0.414	0.459	186	75-125			QM-07
Matrix Spike Dup (5090661-MSD1)		**Source: SA33788-03**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	1.01	0.169	mg/kg	0.392	0.459	141	75-125	19.6	35	QM-07
Reference (5090661-SRM1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Mercury	1.22	0.179	mg/kg	1.30		93.8	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090660 - EPA 200 Series										
Blank (5090660-BLK1)				Prepared & Analyzed: 12-Sep-05						
Selenium	BRL	3.00	mg/kg wet							
Nickel	BRL	1.00	mg/kg wet							
Thallium	BRL	3.00	mg/kg wet							
Vanadium	BRL	1.00	mg/kg wet							
Zinc	BRL	1.00	mg/kg wet							
Antimony	BRL	3.00	mg/kg wet							
Silver	BRL	2.00	mg/kg wet							
Arsenic	BRL	3.00	mg/kg wet							
Beryllium	BRL	0.400	mg/kg wet							
Cadmium	BRL	0.500	mg/kg wet							
Chromium	BRL	1.00	mg/kg wet							
Copper	BRL	1.00	mg/kg wet							
Lead	BRL	1.50	mg/kg wet							
Barium	BRL	1.00	mg/kg wet							
LCS (5090660-BS1)				Prepared & Analyzed: 12-Sep-05						
Vanadium	91.8	1.00	mg/kg wet	100		91.8	85-115			
Selenium	91.2	3.00	mg/kg wet	100		91.2	85-115			
Antimony	91.7	3.00	mg/kg wet	100		91.7	85-115			
Silver	47.8	2.00	mg/kg wet	50.0		95.6	85-115			
Thallium	85.1	3.00	mg/kg wet	100		85.1	85-115			
Zinc	88.4	1.00	mg/kg wet	100		88.4	85-115			
Nickel	89.1	1.00	mg/kg wet	100		89.1	85-115			
Cadmium	88.8	0.500	mg/kg wet	100		88.8	85-115			
Arsenic	89.5	3.00	mg/kg wet	100		89.5	85-115			
Beryllium	89.2	0.400	mg/kg wet	100		89.2	85-115			
Lead	95.8	1.50	mg/kg wet	100		95.8	85-115			
Copper	91.6	1.00	mg/kg wet	100		91.6	85-115			
Chromium	93.2	1.00	mg/kg wet	100		93.2	85-115			
Barium	85.5	1.00	mg/kg wet	100		85.5	85-115			
Duplicate (5090660-DUP1)		**Source: SA33563-05**		Prepared & Analyzed: 12-Sep-05						
Nickel	26.9	0.530	mg/kg dry		28.5			5.78	35	
Zinc	57.7	0.530	mg/kg dry		60.5			4.74	35	
Vanadium	29.9	0.530	mg/kg dry		29.6			1.01	35	
Thallium	BRL	1.59	mg/kg dry		BRL				35	
Selenium	BRL	1.59	mg/kg dry		BRL				35	
Antimony	BRL	1.59	mg/kg dry		BRL				35	
Silver	BRL	1.06	mg/kg dry		BRL				35	
Arsenic	BRL	1.59	mg/kg dry		BRL				35	
Copper	24.5	0.530	mg/kg dry		26.4			7.47	35	
Lead	21.8	0.795	mg/kg dry		23.7			8.35	35	
Chromium	7.26	0.530	mg/kg dry		8.64			17.4	35	
Cadmium	0.387	0.265	mg/kg dry		0.489			23.3	35	
Beryllium	0.217	0.212	mg/kg dry		0.237			8.81	35	
Barium	73.1	0.530	mg/kg dry		78.0			6.49	35	
Matrix Spike (5090660-MS1)		**Source: SA33788-03**		Prepared & Analyzed: 12-Sep-05						
Thallium	53.0	1.74	mg/kg dry	58.0	BRL	91.4	70-130			
Silver	176	1.16	mg/kg dry	29.0	217	NR	70-130			QM-07
Vanadium	73.3	0.580	mg/kg dry	58.0	24.8	83.6	70-130			
Zinc	521	0.580	mg/kg dry	58.0	680	NR	70-130			QM-4X
Antimony	120	1.74	mg/kg dry	58.0	48.1	124	70-130			
Nickel	213	0.580	mg/kg dry	58.0	204	15.5	70-130			QM-0
Selenium	53.9	1.74	mg/kg dry	58.0	BRL	92.9	70-130			
Beryllium	60.3	0.232	mg/kg dry	58.0	0.307	103	70-130			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090660 - EPA 200 Series									
Matrix Spike (5090660-MS1)		**Source: SA33788-03**	Prepared & Analyzed: 12-Sep-05						
Lead	782	0.870 mg/kg dry	58.0	534	428	70-130			QM-4X
Copper	652	0.580 mg/kg dry	58.0	996	NR	70-130			QM-4X
Chromium	63.3	0.580 mg/kg dry	58.0	21.5	72.1	70-130			
Cadmium	57.6	0.290 mg/kg dry	58.0	1.44	96.8	70-130			
Arsenic	77.8	1.74 mg/kg dry	58.0	9.31	118	70-130			
Barium	181	0.580 mg/kg dry	58.0	103	134	70-130			QM-07
Matrix Spike Dup (5090660-MSD1)		**Source: SA33788-03**	Prepared & Analyzed: 12-Sep-05						
Zinc	504	0.576 mg/kg dry	57.6	680	NR	70-130	3.32	35	QM-4X
Antimony	102	1.73 mg/kg dry	57.6	48.1	93.6	70-130	16.2	35	
Selenium	51.6	1.73 mg/kg dry	57.6	BRL	89.6	70-130	4.36	35	
Thallium	53.2	1.73 mg/kg dry	57.6	BRL	92.4	70-130	0.377	35	
Nickel	225	0.576 mg/kg dry	57.6	204	36.5	70-130	5.48	35	QM-07
Silver	201	1.15 mg/kg dry	28.8	217	NR	70-130	13.3	35	QM-07
Vanadium	73.6	0.576 mg/kg dry	57.6	24.8	84.7	70-130	0.408	35	
Lead	696	0.863 mg/kg dry	57.6	534	281	70-130	11.6	35	QM-4X
Arsenic	63.9	1.73 mg/kg dry	57.6	9.31	94.8	70-130	19.6	35	
Beryllium	58.2	0.230 mg/kg dry	57.6	0.307	101	70-130	3.54	35	
Copper	749	0.576 mg/kg dry	57.6	996	NR	70-130	13.8	35	QM-4X
Cadmium	56.7	0.288 mg/kg dry	57.6	1.44	95.9	70-130	1.57	35	
Chromium	66.1	0.576 mg/kg dry	57.6	21.5	77.4	70-130	4.33	35	
Barium	165	0.576 mg/kg dry	57.6	103	108	70-130	9.25	35	QM-07
Reference (5090660-SRM1)			Prepared & Analyzed: 12-Sep-05						
Silver	26.9	2.00 mg/kg wet	26.4		102	85-115			
Vanadium	60.7	1.00 mg/kg wet	64.7		93.8	85-115			
Thallium	54.5	3.00 mg/kg wet	54.8		99.5	85-115			
Zinc	637	1.00 mg/kg wet	652		97.7	85-115			
Selenium	118	3.00 mg/kg wet	115		103	85-115			
Nickel	50.3	1.00 mg/kg wet	52.0		96.7	85-115			
Cadmium	115	0.500 mg/kg wet	117		98.3	85-115			
Beryllium	2.71	0.400 mg/kg wet	2.47		110	85-115			
Arsenic	71.9	3.00 mg/kg wet	72.8		98.8	85-115			
Copper	67.8	1.00 mg/kg wet	68.3		99.3	85-115			
Chromium	51.6	1.00 mg/kg wet	58.1		88.8	85-115			
Barium	11.8	1.00 mg/kg wet	13.3		88.7	85-115			
Batch 5090761 - EPA 200 Series									
Blank (5090761-BLK1)			Prepared & Analyzed: 13-Sep-05						
Silver	BRL	2.00 mg/kg wet							
LCS (5090761-BS1)			Prepared & Analyzed: 13-Sep-05						
Silver	48.0	2.00 mg/kg wet	50.0		96.0	85-115			
Duplicate (5090761-DUP1)		**Source: SA33788-01**	Prepared & Analyzed: 13-Sep-05						
Silver	138	43.1 mg/kg dry		167			19.0	35	
Duplicate (5090761-DUP2)		**Source: SA33788-03**	Prepared & Analyzed: 13-Sep-05						
Silver	517	88.8 mg/kg dry		217			81.7	35	QM-04
Duplicate (5090761-DUP3)		**Source: SA33788-04**	Prepared & Analyzed: 13-Sep-05						
Silver	140	85.7 mg/kg dry		145			3.51	35	
Reference (5090761-SRM1)			Prepared & Analyzed: 13-Sep-05						
Silver	26.1	2.00 mg/kg wet	25.0		104	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091141 - SW846 1312										
Blank (5091141-BLK1)				Prepared & Analyzed: 17-Sep-05						
SPLP Extraction	Completed	N/A								
Blank (5091141-BLK2)				Prepared & Analyzed: 17-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5091161 - SW846 3010A										
Blank (5091161-BLK1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Lead	BRL	0.0038	mg/l							
Antimony	BRL	0.0060	mg/l							
Vanadium	BRL	0.0025	mg/l							
Zinc	BRL	0.0025	mg/l							
Nickel	BRL	0.0025	mg/l							
Chromium	BRL	0.0025	mg/l							
Cadmium	BRL	0.0012	mg/l							
Arsenic	BRL	0.0075	mg/l							
Silver	BRL	0.0050	mg/l							
Copper	BRL	0.0025	mg/l							
LCS (5091161-BS1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Lead	0.459	0.0038	mg/l	0.500		91.8	85-115			
Vanadium	0.464	0.0025	mg/l	0.500		92.8	85-115			
Zinc	0.438	0.0025	mg/l	0.500		87.6	85-115			
Nickel	0.456	0.0025	mg/l	0.500		91.2	85-115			
Antimony	0.440	0.0060	mg/l	0.500		88.0	85-115			
Copper	0.480	0.0025	mg/l	0.500		96.0	85-115			
Silver	0.223	0.0050	mg/l	0.250		89.2	85-115			
Arsenic	0.438	0.0075	mg/l	0.500		87.6	85-115			
Chromium	0.467	0.0025	mg/l	0.500		93.4	85-115			
Cadmium	0.450	0.0012	mg/l	0.500		90.0	85-115			
LCS Dup (5091161-BSD1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Nickel	0.453	0.0025	mg/l	0.500		90.6	85-115	0.660	20	
Vanadium	0.468	0.0025	mg/l	0.500		93.6	85-115	0.858	20	
Lead	0.465	0.0038	mg/l	0.500		93.0	85-115	1.30	20	
Antimony	0.426	0.0060	mg/l	0.500		85.2	85-115	3.23	20	
Zinc	0.438	0.0025	mg/l	0.500		87.6	85-115	0.00	20	
Copper	0.476	0.0025	mg/l	0.500		95.2	85-115	0.837	20	
Chromium	0.464	0.0025	mg/l	0.500		92.8	85-115	0.644	20	
Cadmium	0.452	0.0012	mg/l	0.500		90.4	85-115	0.443	20	
Arsenic	0.431	0.0075	mg/l	0.500		86.2	85-115	1.61	20	
Silver	0.228	0.0050	mg/l	0.250		91.2	85-115	2.22	20	
Duplicate (5091161-DUP1)		**Source: SA33846-03**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Vanadium	0.0250	0.0050	mg/l		0.0184			30.4	20	QR-05
Nickel	BRL	0.0050	mg/l		0.0026			12.2	20	
Zinc	0.0117	0.0050	mg/l		0.0063			60.0	20	QR-05
Lead	BRL	0.0075	mg/l		BRL				20	
Antimony	BRL	0.0120	mg/l		BRL				20	
Arsenic	BRL	0.0150	mg/l		BRL				20	
Silver	BRL	0.0100	mg/l		BRL				20	
Cadmium	BRL	0.0025	mg/l		BRL				20	
Chromium	0.0056	0.0050	mg/l		0.0041			30.9	20	QR-05
Copper	BRL	0.0050	mg/l		BRL				20	
Matrix Spike (5091161-MS1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Nickel	0.854	0.0050	mg/l	1.00	BRL	85.4	75-125			
Lead	0.900	0.0075	mg/l	1.00	0.0352	86.5	75-125			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091161 - SW846 3010A										
Matrix Spike (5091161-MS1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Zinc	0.844	0.0050	mg/l	1.00	0.0182	82.6	75-125			
Vanadium	0.874	0.0050	mg/l	1.00	0.0018	87.2	75-125			
Antimony	0.820	0.0120	mg/l	1.00	BRL	82.0	75-125			
Copper	0.894	0.0050	mg/l	1.00	BRL	89.4	75-125			
Arsenic	0.842	0.0150	mg/l	1.00	BRL	84.2	75-125			
Cadmium	0.856	0.0025	mg/l	1.00	BRL	85.6	75-125			
Chromium	0.873	0.0050	mg/l	1.00	BRL	87.3	75-125			
Silver	0.424	0.0100	mg/l	0.500	BRL	84.8	75-125			
Matrix Spike Dup (5091161-MSD1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Antimony	0.827	0.0120	mg/l	1.00	BRL	82.7	75-125	0.850	20	
Nickel	0.870	0.0050	mg/l	1.00	BRL	87.0	75-125	1.86	20	
Lead	0.910	0.0075	mg/l	1.00	0.0352	87.5	75-125	1.10	20	
Vanadium	0.906	0.0050	mg/l	1.00	0.0018	90.4	75-125	3.60	20	
Zinc	0.856	0.0050	mg/l	1.00	0.0182	83.8	75-125	1.41	20	
Arsenic	0.846	0.0150	mg/l	1.00	BRL	84.6	75-125	0.474	20	
Silver	0.430	0.0100	mg/l	0.500	BRL	86.0	75-125	1.41	20	
Copper	0.920	0.0050	mg/l	1.00	BRL	92.0	75-125	2.87	20	
Chromium	0.888	0.0050	mg/l	1.00	BRL	88.8	75-125	1.70	20	
Cadmium	0.877	0.0025	mg/l	1.00	BRL	87.7	75-125	2.42	20	
Batch 5091162 - EPA200/SW7000 Series										
Blank (5091162-BLK1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00040	mg/l							
LCS (5091162-BS1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00205	0.00040	mg/l	0.00250		82.0	80-120			
Duplicate (5091162-DUP1)		**Source: SA33788-05**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00274	0.00040	mg/l		0.00345			22.9	35	
Duplicate (5091162-DUP2)		**Source: SA34053-06**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00040	mg/l		BRL				35	
Matrix Spike (5091162-MS1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00256	0.00040	mg/l	0.00250	BRL	102	75-125			
Matrix Spike (5091162-MS2)		**Source: SA33788-01**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00209	0.00040	mg/l	0.00250	0.00050	63.6	75-125			QM-07
Matrix Spike Dup (5091162-MSD1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00262	0.00040	mg/l	0.00250	BRL	105	75-125	2.32	35	
Matrix Spike Dup (5091162-MSD2)		**Source: SA33788-01**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00199	0.00040	mg/l	0.00250	0.00050	59.6	75-125	4.90	35	QM-07

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090624 - General Preparation										
Duplicate (5090624-DUP1)		**Source: SA33788-02**		Prepared & Analyzed: 10-Sep-05						
% Solids	80.3		%		83.7			4.15	20	
Batch 5090697 - General Preparation										
Duplicate (5090697-DUP1)		**Source: SA33798-18**		Prepared & Analyzed: 12-Sep-05						
% Solids	86.8		%		84.2			3.04	20	
Batch 5090702 - General Preparation										
Duplicate (5090702-DUP1)		**Source: SA33878-01**		Prepared & Analyzed: 12-Sep-05						
% Solids	81.8		%		81.6			0.245	20	
Batch 5090800 - General Preparation										
Blank (5090800-BLK1)				Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	BRL	1.00	mg/kg wet							
LCS (5090800-BS1)				Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	29.8	1.00	mg/kg wet	30.0		99.3	90-110			
Matrix Spike (5090800-MS1)		**Source: SA33788-01**		Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	35.7	1.19	mg/kg dry	35.8	0.748	97.6	80-120			
Matrix Spike Dup (5090800-MSD1)		**Source: SA33788-01**		Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	34.0	1.20	mg/kg dry	36.0	0.748	92.4	80-120	4.88	200	
Reference (5090800-SRM1)				Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	146	4.61	mg/kg wet	122		120	40-160			

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-05	RPD out of acceptance range.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33788-01 SA33788-02 SA33788-03 SA33788-04 SA33788-05 SA33788-06 SA33788-07	List Specific Analytical Methods Used: +CT ETPH EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C SW846 9012A VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/27/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 33846 (m) (n)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

WA5017893 (M)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M. M. Winfield

Invoice To: M. Winfield
CEE
100 Shield Street
W. Hartford, CT
P.O. No.: 06110

David Ringquist
CT DEP
79 Elm St.
Hartford, CT
RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden-HUB
Location: East Main and State Streets
State: Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *if applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH CT Method	VOCs 5035/8260	SVOCs 8270	PAHs Only 8270C	Total Cyanide 9012	PCBs by 8082	Total RCRA 8 Metals	Total Cu, Ni, Zn	Total Sb, Be, Tl, Va	VOCs 8260
SA33846-01	JTP050908-133	9-8-05	9:30	G	S	8,9	3	2			X	X	X		X	X	X	X	X	
02	JTP050908-140		13:05	G							X	X	X			X	X	X	X	
03	JTP050908-141		13:10	G							X	X	X			X	X	X	X	
04	JTP050908-138		11:30	G					1 JTP		X	X	X			X	X	X	X	
05	JTP050908-142		13:30	G				2 JTP			X	X	X			X	X	X	X	
06	JTP050908-143		14:10	G							X	X	X			X	X	X	X	
07	JTP050908-144		14:20	~~WG~~ G	W	2	2													X
08	JTP050908-145		14:30	~~WG~~ G	W	2	2													X

ADDED (MM) ANALYSIS pg 2 per client fax

☐ Fax results when available to (____) ____
☒ E-mail to mwinfield@cee.net
EDD Format .POF format

Condition upon receipt: ☐ Iced ☐ Ambient ☑ C 10

Relinquished by:	Received by:	Date:	Time:
[signature]	CEE Fridge	9/9/05	0930
CEE Fridge (JTP)	[signature]	9/9/05	1148
[signature]	[signature]	9/9/05	135

AOC-3 are AOC-1

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

SUPPLEMENTAL
CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M. M. Winfield

Invoice To: M. Winfield
CEE
100 Shield Street
W. Hartford, CT
P.O. No.: 06110

David Ringquist
CT DEP
79 Elm St.
Hartford, CT
RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets, Meriden, CT
State:
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X
(check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: SPLP PAHs Only	SPLP Cr, Pb, Va	SPLP Hg	SPLP Beryllium				
SA	33846-01	JTP050908-133	9-8-05	9:30	G	S	8,9	3	2			X	X	X					
SA	33846-02	JTP050908-140	↓	13:05	↓	↓	↓	↓	↓				X						
SA	33846-03	JTP050908-141	↓	13:10	↓	↓	↓	↓	↓				X						
SA	33846-04	JTP050908-138	↓	11:30	↓	↓	↓	↓	1				X	X					
SA	33846-05	JTP050908-142	↓	13:30	↓	↓	↓	↓	↓				X	X					
SA	33846-06	JTP050908-143	↓	14:10	↓	↓	↓	↓	↓				X		X				

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-3 and AOC-1

SA33846

SPECTRUM ANALYTICAL, INC.
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SUPPLEMENTAL CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
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Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M. M. Winfield

Invoice To: M. Winfield / David Ringquist
CEE / CT DEP
100 Shield Street / 79 Elm St.
W. Hartford, CT / Hartford, CT
P.O. No.: 06110 / RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets, Meriden, CT
State:
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SPLP PAHs only	SPLP Cr, Pb, Vn	SPLP Hg	SPLP Beryllium					
SA	33846-01	JTP050908-133	9-8-05	9:30	G	S	8,9	3	2			X	X	X						
SA	33846-02	JTP050908-140	↓	13:05	↓	↓	↓	↓	↓				X							
SA	33846-03	JTP050908-141		13:10									X							
SA	33846-04	JTP050908-138		11:30					1				X	X						
SA	33846-05	JTP050908-142		13:20									X	X						
SA	33846-06	JTP050908-143	↓	14:10	↓	↓	↓	↓	↓				X		X					

ADDED ANALYSIS client per this form

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-3 and AOC-1

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

P.1
SEP 16 '05 02:26PM 2039537407

Report Date:
27-Sep-05 15:11

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA33846-01	JTP050908-133	Soil	08-Sep-05 09:30	09-Sep-05 13:35
SA33846-02	JTP050908-140	Soil	08-Sep-05 13:05	09-Sep-05 13:35
SA33846-03	JTP050908-141	Soil	08-Sep-05 13:10	09-Sep-05 13:35
SA33846-04	JTP050908-138	Soil	08-Sep-05 11:30	09-Sep-05 13:35
SA33846-05	JTP050908-142	Soil	08-Sep-05 13:30	09-Sep-05 13:35
SA33846-06	JTP050908-143	Soil	08-Sep-05 14:10	09-Sep-05 13:35
SA33846-07	JTP050908-144	Water	08-Sep-05 14:20	09-Sep-05 13:35
SA33846-08	JTP050908-145	Water	08-Sep-05 14:30	09-Sep-05 13:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 66 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method		SW846 5035A Soil (low level)					VOC10
67-64-1	Acetone	72.4	70.0 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	VOC6
107-13-1	Acrylonitrile	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	17.5 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.5 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	35.0 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	7.0 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3550B						
8006-61-9	Gasoline	BRL	76.4 mg/kg dry	2	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	BRL	76.4 mg/kg dry	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	76.4 mg/kg dry	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	76.4 mg/kg dry	2	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	76.4 mg/kg dry	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	76.4 mg/kg dry	2	"	"	"	"	"	
	Unidentified	321	76.4 mg/kg dry	2	"	"	"	"	"	
	Other Oil	BRL	76.4 mg/kg dry	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	321	76.4 mg/kg dry	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	321	76.4 mg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*174*	*40-140 %*		"	"	"	"	"	S-02
emivolatile Organic Compounds by GC										
olychlorinated Biphenyls by SW846 8082			Prepared by method	SW846 3550B						

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	29.3 µg/kg dry	1	SW846 8082	13-Sep-05	13-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	29.3 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59.9*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091146	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	948 µg/kg dry	5	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
62-53-3	Aniline	BRL	2370 µg/kg dry	5	"	"	"	"	"	
120-12-7	Anthracene	BRL	948 µg/kg dry	5	"	"	"	"	"	
1912-24-9	Atrazine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
92-87-5	Benzidine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	1,470	948 µg/kg dry	5	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	1,260	948 µg/kg dry	5	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	1,010	948 µg/kg dry	5	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	948 µg/kg dry	5	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,220	948 µg/kg dry	5	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	2370 µg/kg dry	5	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	2370 µg/kg dry	5	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	2370 µg/kg dry	5	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	2370 µg/kg dry	5	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	2370 µg/kg dry	5	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
86-74-8	Carbazole	BRL	2370 µg/kg dry	5	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	2370 µg/kg dry	5	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	2370 µg/kg dry	5	"	"	"	"	"	
218-01-9	Chrysene	1,420	948 µg/kg dry	5	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	948 µg/kg dry	5	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	2370 µg/kg dry	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	2370 µg/kg dry	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

emivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
541-73-1	1,3-Dichlorobenzene	BRL	2370 µg/kg dry	5	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
106-46-7	1,4-Dichlorobenzene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	2370 µg/kg dry	5	"	"	"	"	"	
206-44-0	Fluoranthene	3,120	948 µg/kg dry	5	"	"	"	"	"	
86-73-7	Fluorene	BRL	948 µg/kg dry	5	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	2370 µg/kg dry	5	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	948 µg/kg dry	5	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	948 µg/kg dry	5	"	"	"	"	"	
-59-1	Isophorone	BRL	2370 µg/kg dry	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	948 µg/kg dry	5	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	948 µg/kg dry	5	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	2370 µg/kg dry	5	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	2370 µg/kg dry	5	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	9480 µg/kg dry	5	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	9480 µg/kg dry	5	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	9480 µg/kg dry	5	"	"	"	"	"	
85-01-8	Phenanthrene	2,340	948 µg/kg dry	5	"	"	"	"	"	
108-95-2	Phenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
129-00-0	Pyrene	3,000	948 µg/kg dry	5	"	"	"	"	"	
110-86-1	Pyridine	BRL	2370 µg/kg dry	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	2370 µg/kg dry	5	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	2370 µg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
-60-8	*2-Fluorobiphenyl*	*47.1*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*37.6*	*15-110 %*		"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
4165-60-0	*Nitrobenzene-d5*	*46.6*	*30-130 %*		SW846 8270C	13-Sep-05	13-Sep-05	5090748		
4165-62-2	*Phenol-d5*	*26.5*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*60.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*39.1*	*15-110 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	20-Sep-05	21-Sep-05	5091256	M.B	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*60.8*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71.5*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.918	0.176 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	2.21	1.07 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	BRL	1.60 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	61.6	0.534 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.395	0.214 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.267 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	10.2	0.534 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	41.5	0.534 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	9.73	0.534 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	39.8	0.801 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.60 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.60 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.60 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	29.2	0.534 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	43.2	0.534 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-133 SA33846-01	CEE Project #2005.045	Soil	08-Sep-05 09:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
TCLP Metals by EPA 1312 & 6000/7000 Series Methods										
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-97-6	Mercury	0.00048	0.00040 mg/l	1	SW846 7470A	20-Sep-05	21-Sep-05	5091273	YP	
7439-92-1	Lead	BRL	0.0075 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7440-62-2	Vanadium	0.0106	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	9.09	1.06 mg/kg dry	1	SW846 9012A	13-Sep-05	13-Sep-05	5090800	YV	
	% Solids	92.0	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-140 SA33846-02	CEE Project #2005.045	Soil	08-Sep-05 13:05	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	2610 µg/kg dry	100	SW846 8260B	12-Sep-05	13-Sep-05	5090705	tim	
107-13-1	Acrylonitrile	BRL	131 µg/kg dry	100	"	"	"	"	"	
71-43-2	Benzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-25-2	Bromoform	BRL	131 µg/kg dry	100	"	"	"	"	"	
74-83-9	Bromomethane	BRL	261 µg/kg dry	100	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1310 µg/kg dry	100	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	653 µg/kg dry	100	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	131 µg/kg dry	100	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-00-3	Chloroethane	BRL	261 µg/kg dry	100	"	"	"	"	"	
67-66-3	Chloroform	BRL	131 µg/kg dry	100	"	"	"	"	"	
74-87-3	Chloromethane	BRL	261 µg/kg dry	100	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	131 µg/kg dry	100	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	131 µg/kg dry	100	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	261 µg/kg dry	100	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	131 µg/kg dry	100	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	261 µg/kg dry	100	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	131 µg/kg dry	100	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	131 µg/kg dry	100	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	131 µg/kg dry	100	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	131 µg/kg dry	100	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	131 µg/kg dry	100	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	131 µg/kg dry	100	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	131 µg/kg dry	100	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	131 µg/kg dry	100	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	131 µg/kg dry	100	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	131 µg/kg dry	100	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1310 µg/kg dry	100	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	131 µg/kg dry	100	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-140 SA33846-02	CEE Project #2005.045	Soil	08-Sep-05 13:05	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	131 µg/kg dry	100	SW846 8260B	12-Sep-05	13-Sep-05	5090705	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1310 µg/kg dry	100	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1310 µg/kg dry	100	"	"	"	"	"	
91-20-3	Naphthalene	BRL	131 µg/kg dry	100	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
100-42-5	Styrene	BRL	131 µg/kg dry	100	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	131 µg/kg dry	100	"	"	"	"	"	
108-88-3	Toluene	BRL	131 µg/kg dry	100	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	131 µg/kg dry	100	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	131 µg/kg dry	100	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	131 µg/kg dry	100	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	131 µg/kg dry	100	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	131 µg/kg dry	100	"	"	"	"	"	
0-20-7	m,p-Xylene	BRL	261 µg/kg dry	100	"	"	"	"	"	
95-47-6	o-Xylene	BRL	131 µg/kg dry	100	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	51.3 mg/kg dry	1	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	Calculated as	51.3 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	51.3 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	51.3 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	51.3 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	51.3 mg/kg dry	1	"	"	"	"	"	
	Unidentified	1,190	51.3 mg/kg dry	1	"	"	"	"	"	
	Other Oil	Calculated as	51.3 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	1,190	51.3 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	1,190	51.3 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*150*	*40-140 %*		"	"	"	"	"	S-02
emivolatile Organic Compounds by GC										
olychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-140 SA33846-02	CEE Project #2005.045	Soil	08-Sep-05 13:05	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	30.8 µg/kg dry	1	SW846 8082	13-Sep-05	13-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	30.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	636 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	636 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	636 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	636 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	636 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	636 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	636 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	636 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	636 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	636 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	636 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	636 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	636 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	636 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	636 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	636 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	636 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	636 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	636 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	636 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	636 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	636 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	636 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	636 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	636 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	636 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	636 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-140 SA33846-02	CEE Project #2005.045	Soil	08-Sep-05 13:05	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
106-46-7	1,4-Dichlorobenzene	BRL	636 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
91-94-1	3,3'-Dichlorobenzidine	BRL	636 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	636 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	636 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	636 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	636 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	636 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	636 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	636 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	636 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	636 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	636 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	3,000	636 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	636 µg/kg dry	1	"	"	"	"	"	
57-6	2-Methylnaphthalene	1,520	636 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	636 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	636 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	636 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2540 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	636 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2540 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	636 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	636 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	636 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2540 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	866	636 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	636 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	636 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	636 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	636 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*53.7*	*30-130 %*		"	"	"	"	"	
-12-4	*2-Fluorophenol*	*43.2*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*55.3*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-140 SA33846-02	CEE Project #2005.045	Soil	08-Sep-05 13:05	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*38.0*	*15-110 %*		SW846 8270C	13-Sep-05	13-Sep-05	5090748		
1718-51-0	*Terphenyl-dl4*	*59.1*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*48.6*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.208 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.15 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	92.6	0.576 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.507	0.230 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.288 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	12.4	0.576 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	11.8	0.576 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	7.73	0.576 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	7.78	0.863 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.73 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	31.5	0.576 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	25.7	0.576 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-47-3	Chromium	0.0061	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0268	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	86.1	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-141 SA33846-03	CEE Project #2005.045	Soil	08-Sep-05 13:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	3340 µg/kg dry	100	SW846 8260B	12-Sep-05	13-Sep-05	5090705	tim	
107-13-1	Acrylonitrile	BRL	167 µg/kg dry	100	"	"	"	"	"	
71-43-2	Benzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-25-2	Bromoform	BRL	167 µg/kg dry	100	"	"	"	"	"	
74-83-9	Bromomethane	BRL	334 µg/kg dry	100	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1670 µg/kg dry	100	"	"	"	"	"	
104-51-8	n-Butylbenzene	175	167 µg/kg dry	100	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	835 µg/kg dry	100	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	167 µg/kg dry	100	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-00-3	Chloroethane	BRL	334 µg/kg dry	100	"	"	"	"	"	
67-66-3	Chloroform	BRL	167 µg/kg dry	100	"	"	"	"	"	
74-87-3	Chloromethane	BRL	334 µg/kg dry	100	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	167 µg/kg dry	100	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	167 µg/kg dry	100	"	"	"	"	"	
-12-8	1,2-Dibromo-3-chloropropane	BRL	334 µg/kg dry	100	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	167 µg/kg dry	100	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	334 µg/kg dry	100	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	167 µg/kg dry	100	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	167 µg/kg dry	100	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	167 µg/kg dry	100	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	167 µg/kg dry	100	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	167 µg/kg dry	100	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	167 µg/kg dry	100	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	167 µg/kg dry	100	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	167 µg/kg dry	100	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	167 µg/kg dry	100	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	167 µg/kg dry	100	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1670 µg/kg dry	100	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	167 µg/kg dry	100	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-141 SA33846-03	CEE Project #2005.045	Soil	08-Sep-05 13:10	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	167 µg/kg dry	100	SW846 8260B	12-Sep-05	13-Sep-05	5090705	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1670 µg/kg dry	100	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1670 µg/kg dry	100	"	"	"	"	"	
91-20-3	Naphthalene	BRL	167 µg/kg dry	100	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
100-42-5	Styrene	BRL	167 µg/kg dry	100	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	167 µg/kg dry	100	"	"	"	"	"	
108-88-3	Toluene	BRL	167 µg/kg dry	100	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	167 µg/kg dry	100	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	167 µg/kg dry	100	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	167 µg/kg dry	100	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	167 µg/kg dry	100	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	167 µg/kg dry	100	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	334 µg/kg dry	100	"	"	"	"	"	
95-47-6	o-Xylene	BRL	167 µg/kg dry	100	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	52.3 mg/kg dry	1	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	Calculated as	52.3 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	52.3 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	52.3 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	52.3 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	52.3 mg/kg dry	1	"	"	"	"	"	
	Unidentified	487	52.3 mg/kg dry	1	"	"	"	"	"	
	Other Oil	Calculated as	52.3 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	487	52.3 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	487	52.3 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*84.7*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-141 SA33846-03	CEE Project #2005.045	Soil	08-Sep-05 13:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	32.2 µg/kg dry	1	SW846 8082	13-Sep-05	14-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	32.2 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55.0*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	649 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	649 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	649 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	649 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	649 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	649 µg/kg dry	1	"	"	"	"	"	
[illegible]87-5	Benzidine	BRL	649 µg/kg dry	1	"	"	"	"	"	
[illegible]-55-3	Benzo (a) anthracene	BRL	649 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	649 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	649 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	649 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	649 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	649 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	649 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	649 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	649 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	649 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	649 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	649 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	649 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	649 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	649 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	649 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	649 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	649 µg/kg dry	1	"	"	"	"	"	
[illegible]-50-1	1,2-Dichlorobenzene	BRL	649 µg/kg dry	1	"	"	"	"	"	
[illegible]-73-1	1,3-Dichlorobenzene	BRL	649 µg/kg dry	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-141 SA33846-03	CEE Project #2005.045	Soil	08-Sep-05 13:10	09-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	649 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
91-94-1	3,3′-Dichlorobenzidine	BRL	649 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	649 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	649 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	649 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	649 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	649 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	649 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	649 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	649 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	649 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	649 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	1,150	649 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	649 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	649 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	649 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	649 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	649 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2590 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	649 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2590 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	649 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	649 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	649 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2590 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	649 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	649 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	649 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	649 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	649 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*50.8*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*46.9*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54.6*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-141 SA33846-03	CEE Project #2005.045	Soil	08-Sep-05 13:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*43.9*	*15-110 %*		SW846 8270C	13-Sep-05	13-Sep-05	5090748		
1718-51-0	*Terphenyl-dl4*	*56.9*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*46.2*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.191 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.18 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	BRL	1.78 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	108	0.592 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.586	0.237 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.296 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	17.6	0.592 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	5.37	0.592 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	8.80	0.592 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	4.09	0.889 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.78 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.78 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.78 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	38.1	0.592 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	26.2	0.592 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0184	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	83.1	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-138 SA33846-04	CEE Project #2005.045	Soil	08-Sep-05 11:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	326	141 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	VOC6
107-13-1	Acrylonitrile	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	70.6 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	35.3 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	70.6 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-138 SA33846-04	CEE Project #2005.045	Soil	08-Sep-05 11:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	7.1 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	70.6 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	70.6 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	51.4	7.1 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	8.9	7.1 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	14.1 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	7.1 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*88.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*90.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*134*	*70-130 %*		"	"	"	"	"	S-GC
1868-53-7	*Dibromofluoromethane*	*112*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	191 mg/kg dry	2	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	BRL	191 mg/kg dry	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	191 mg/kg dry	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	191 mg/kg dry	2	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	191 mg/kg dry	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	191 mg/kg dry	2	"	"	"	"	"	
	Unidentified	713	191 mg/kg dry	2	"	"	"	"	"	
	Other Oil	BRL	191 mg/kg dry	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	713	191 mg/kg dry	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	713	191 mg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*262*	*40-140 %*		"	"	"	"	"	S-02
mivolatile Organic Compounds by GC										
olychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-138 SA33846-04	CEE Project #2005.045	Soil	08-Sep-05 11:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	38.4 µg/kg dry	1	SW846 8082	13-Sep-05	14-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	38.4 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75.0*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3550B					
83-32-9	Acenaphthene	BRL	1180 µg/kg dry	5	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
62-53-3	Aniline	BRL	1180 µg/kg dry	5	"	"	"	"	"	
120-12-7	Anthracene	1,390	1180 µg/kg dry	5	"	"	"	"	"	
1912-24-9	Atrazine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
92-87-5	Benzidine	1,870	1180 µg/kg dry	5	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	3,160	1180 µg/kg dry	5	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	3,880	1180 µg/kg dry	5	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	2,320	1180 µg/kg dry	5	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	1,960	1180 µg/kg dry	5	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	3,850	1180 µg/kg dry	5	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	1180 µg/kg dry	5	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	1180 µg/kg dry	5	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	1180 µg/kg dry	5	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	1180 µg/kg dry	5	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	1180 µg/kg dry	5	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
86-74-8	Carbazole	BRL	1180 µg/kg dry	5	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	1180 µg/kg dry	5	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	1180 µg/kg dry	5	"	"	"	"	"	
218-01-9	Chrysene	3,260	1180 µg/kg dry	5	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	1180 µg/kg dry	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1180 µg/kg dry	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-138 SA33846-04	CEE Project #2005.045	Soil	08-Sep-05 11:30	09-Sep-05

emivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	1180 µg/kg dry	5	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
91-94-1	3,3´-Dichlorobenzidine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	1180 µg/kg dry	5	"	"	"	"	"	
206-44-0	Fluoranthene	6,030	1180 µg/kg dry	5	"	"	"	"	"	
86-73-7	Fluorene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	1180 µg/kg dry	5	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	1,840	1180 µg/kg dry	5	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
78-59-1	Isophorone	BRL	1180 µg/kg dry	5	"	"	"	"	"	
-57-6	2-Methylnaphthalene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	1180 µg/kg dry	5	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	1180 µg/kg dry	5	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	4740 µg/kg dry	5	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	4740 µg/kg dry	5	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	4740 µg/kg dry	5	"	"	"	"	"	
85-01-8	Phenanthrene	3,850	1180 µg/kg dry	5	"	"	"	"	"	
108-95-2	Phenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
129-00-0	Pyrene	5,740	1180 µg/kg dry	5	"	"	"	"	"	
110-86-1	Pyridine	BRL	1180 µg/kg dry	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1180 µg/kg dry	5	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	1180 µg/kg dry	5	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*55.2*	*30-130 %*		"	"	"	"	"	
-12-4	*2-Fluorophenol*	*45.2*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*43.1*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-138 SA33846-04	CEE Project #2005.045	Soil	08-Sep-05 11:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*20.0*	*15-110 %*		SW846 8270C	13-Sep-05	13-Sep-05	5090748		
1718-51-0	*Terphenyl-dl4*	*54.0*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*41.0*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.821	0.239 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	2.65	1.39 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	3.86	2.08 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	143	0.695 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.333	0.278 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.347 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	20.0	0.695 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	94.3	0.695 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	9.43	0.695 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	677	1.04 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	2.08 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	2.08 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	2.08 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	26.2	0.695 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	320	0.695 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7439-92-1	Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7440-62-2	Vanadium	0.0282	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	70.0	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-142 SA33846-05	CEE Project #2005.045	Soil	08-Sep-05 13:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
67-64-1	Acetone	BRL	80.8 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
107-13-1	Acrylonitrile	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	20.2 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
[illegible]-12-8	1,2-Dibromo-3-chloropropane	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
[illegible]82-8	Isopropylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-142 SA33846-05	CEE Project #2005.045	Soil	08-Sep-05 13:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.0 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	40.4 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	8.1 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.0 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	38.4 mg/kg dry	1	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	BRL	38.4 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	38.4 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	38.4 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	Calculated as	38.4 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	38.4 mg/kg dry	1	"	"	"	"	"	
	Unidentified	158	38.4 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	38.4 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	158	38.4 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	158	38.4 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*126*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-142 SA33846-05	CEE Project #2005.045	Soil	08-Sep-05 13:30	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	32.5 µg/kg dry	1	SW846 8082	13-Sep-05	14-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	32.5 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79.9*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	953 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	953 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	953 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	953 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	953 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	953 µg/kg dry	1	"	"	"	"	"	
87-5	Benzidine	BRL	953 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	953 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	953 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	953 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	953 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	953 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	953 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	953 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	953 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	953 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	953 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	953 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	953 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	953 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	953 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	953 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	953 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	953 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	953 µg/kg dry	1	"	"	"	"	"	
50-1	1,2-Dichlorobenzene	BRL	953 µg/kg dry	1	"	"	"	"	"	
1-73-1	1,3-Dichlorobenzene	BRL	953 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-142 SA33846-05	CEE Project #2005.045	Soil	08-Sep-05 13:30	09-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3550B

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	953 µg/kg dry	1	SW846 8270C	13-Sep-05	13-Sep-05	5090748		
91-94-1	3,3'-Dichlorobenzidine	BRL	953 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	953 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	953 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	953 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,960	953 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	953 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	953 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	953 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	953 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	953 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	953 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	953 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	953 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	953 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	953 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	953 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	953 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	3810 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	953 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	3810 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	953 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	953 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	953 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	3810 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	1,620	953 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,690	953 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	953 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	953 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	953 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*44.8*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*45.3*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*45.8*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-142 SA33846-05	CEE Project #2005.045	Soil	08-Sep-05 13:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
4165-62-2	*Phenol-d5*	*42.7*	*15-110 %*		SW846 8270C	13-Sep-05	13-Sep-05	5090748		
1718-51-0	*Terphenyl-dl4*	*53.6*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*44.6*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	1.32	0.195 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.10 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	1.98	1.65 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	150	0.549 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.395	0.219 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.274 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	7.47	0.549 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	37.4	0.549 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	8.25	0.549 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	624	0.823 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.65 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.65 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.65 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	18.1	0.549 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	186	0.549 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	20-Sep-05	5091162	YP	
7439-92-1	Lead	0.0352	0.0075 mg/l	1	SW846 6010B	"	26-Sep-05	5091161	HB	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.9	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-143 SA33846-06	CEE Project #2005.045	Soil	08-Sep-05 14:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	09-Sep-05	09-Sep-05	5090626	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method		SW846 5035A Soil (low level)					VOC10
67-64-1	Acetone	BRL	97.3 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
107-13-1	Acrylonitrile	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	48.7 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	24.3 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	48.7 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-143 SA33846-06	CEE Project #2005.045	Soil	08-Sep-05 14:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.9 µg/kg dry	1	SW846 8260B	12-Sep-05	13-Sep-05	5090681	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	48.7 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	48.7 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
30-20-7	m,p-Xylene	BRL	9.7 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.9 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	33.5 mg/kg dry	1	+CT ETPH	13-Sep-05	14-Sep-05	5090749	KG	
68476-30-2	Fuel Oil #2	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
	Unidentified	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	33.5 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*51.4*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-143 SA33846-06	CEE Project #2005.045	Soil	08-Sep-05 14:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	35.8 µg/kg dry	1	SW846 8082	13-Sep-05	14-Sep-05	5090747	SM	
11104-28-2	PCB 1221	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	35.8 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95.0*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3550B							
83-32-9	Acenaphthene	BRL	230 µg/kg dry	1	SW846 8270C	13-Sep-05	14-Sep-05	5090748		
208-96-8	Acenaphthylene	BRL	230 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	230 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	230 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	230 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	230 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	230 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	230 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	230 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	230 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	230 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	230 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	230 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	230 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	230 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	230 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	230 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	230 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	230 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	230 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	230 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	230 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	230 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	230 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	230 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	230 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	230 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-143 SA33846-06	CEE Project #2005.045	Soil	08-Sep-05 14:10	09-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
emivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
106-46-7	1,4-Dichlorobenzene	BRL	230 µg/kg dry	1	SW846 8270C	13-Sep-05	14-Sep-05	5090748		
91-94-1	3,3'-Dichlorobenzidine	BRL	230 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	230 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	230 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	230 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	230 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	230 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	230 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	230 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	230 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	230 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	230 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	230 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	230 µg/kg dry	1	"	"	"	"	"	
-57-6	2-Methylnaphthalene	BRL	230 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	230 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	230 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	230 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	918 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	230 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	918 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	230 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	230 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	230 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	918 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	230 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	230 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	230 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	230 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	230 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*52.2*	*30-130 %*		"	"	"	"	"	
-12-4	*2-Fluorophenol*	*57.3*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*49.6*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-143 SA33846-06	CEE Project #2005.045	Soil	08-Sep-05 14:10	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3550B								
4165-62-2	*Phenol-d5*	*50.0*	*15-110 %*		SW846 8270C	13-Sep-05	14-Sep-05	5090748		
1718-51-0	*Terphenyl-dl4*	*62.1*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*44.4*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.194 mg/kg dry	1	SW846 7471A	13-Sep-05	14-Sep-05	5090718	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.20 mg/kg dry	1	EPA 200.7	13-Sep-05	13-Sep-05	5090717	HB	
7440-38-2	Arsenic	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	173	0.600 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	1.05	0.240 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.300 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	16.8	0.600 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	4.28	0.600 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	7.87	0.600 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	6.36	0.900 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.80 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	30.1	0.600 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	26.2	0.600 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	17-Sep-05	17-Sep-05	5091141	CB	
7440-41-7	Beryllium	BRL	0.0020 mg/l	1	SW846 6010B	19-Sep-05	26-Sep-05	5091161	HB	
7440-47-3	Chromium	0.0112	0.0050 mg/l	1	"	"	"	"	"	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0085	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	81.2	%	1	SM2540 G Mod.	13-Sep-05	13-Sep-05	5090806	YM	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-144 SA33846-07	CEE Project #2005.045	Water	08-Sep-05 14:20	09-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	13-Sep-05	14-Sep-05	5090805	ks	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
4-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-144 SA33846-07	CEE Project #2005.045	Water	08-Sep-05 14:20	09-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	13-Sep-05	14-Sep-05	5090805	ks	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	1.9	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-145 SA33846-08	CEE Project #2005.045	Water	08-Sep-05 14:30	09-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	13-Sep-05	14-Sep-05	5090805	ks	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
4-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050908-145 SA33846-08	CEE Project #2005.045	Water	08-Sep-05 14:30	09-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	13-Sep-05	14-Sep-05	5090805	ks	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	2.4	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090681 - SW846 5035A Soil (low level)										
Blank (5090681-BLK1)				Prepared & Analyzed: 12-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
trachloroethene	BRL	5.0	µg/kg wet							
oluene	BRL	5.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090681 - SW846 5035A Soil (low level)										
Blank (5090681-BLK1)				Prepared & Analyzed: 12-Sep-05						
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet	*50.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*59.3*		µg/kg wet	*50.0*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet	*50.0*		*105*	*70-130*			
LCS (5090681-BS1)				Prepared & Analyzed: 12-Sep-05						
Acetone	27.4		µg/kg wet	20.0		137	0.663-201			
Acrylonitrile	22.4		µg/kg wet	20.0		112	70-130			
Benzene	22.0		µg/kg wet	20.0		110	70-130			
Bromobenzene	21.0		µg/kg wet	20.0		105	70-130			
Bromochloromethane	20.2		µg/kg wet	20.0		101	70-130			
Bromodichloromethane	22.8		µg/kg wet	20.0		114	70-130			
Bromoform	17.9		µg/kg wet	20.0		89.5	70-130			
Bromomethane	13.0		µg/kg wet	20.0		65.0	54-151			
2-Butanone (MEK)	21.3		µg/kg wet	20.0		106	6.66-154			
n-Butylbenzene	23.3		µg/kg wet	20.0		116	70-130			
sec-Butylbenzene	24.2		µg/kg wet	20.0		121	70-130			
tert-Butylbenzene	23.7		µg/kg wet	20.0		118	70-130			
Carbon disulfide	23.6		µg/kg wet	20.0		118	70-130			
Carbon tetrachloride	21.7		µg/kg wet	20.0		108	70-130			
Chlorobenzene	21.5		µg/kg wet	20.0		108	70-130			
Chloroethane	26.4		µg/kg wet	20.0		132	64.5-148			
Chloroform	20.8		µg/kg wet	20.0		104	70-130			
Chloromethane	23.5		µg/kg wet	20.0		118	70-130			
2-Chlorotoluene	23.2		µg/kg wet	20.0		116	70-130			
4-Chlorotoluene	22.4		µg/kg wet	20.0		112	70-130			
1,2-Dibromo-3-chloropropane	21.4		µg/kg wet	20.0		107	70-130			
Dibromochloromethane	19.4		µg/kg wet	20.0		97.0	52-148			
1,2-Dibromoethane (EDB)	20.2		µg/kg wet	20.0		101	70-130			
Dibromomethane	20.4		µg/kg wet	20.0		102	70-130			
1,2-Dichlorobenzene	21.4		µg/kg wet	20.0		107	70-130			
1,3-Dichlorobenzene	21.6		µg/kg wet	20.0		108	70-130			
1,4-Dichlorobenzene	20.9		µg/kg wet	20.0		104	70-130			
Dichlorodifluoromethane (Freon12)	31.6		µg/kg wet	20.0		158	60.6-196			
1,1-Dichloroethane	23.0		µg/kg wet	20.0		115	70-130			
1,2-Dichloroethane	21.4		µg/kg wet	20.0		107	70-130			
1,1-Dichloroethene	23.2		µg/kg wet	20.0		116	70-130			
cis-1,2-Dichloroethene	22.3		µg/kg wet	20.0		112	70-130			
trans-1,2-Dichloroethene	21.3		µg/kg wet	20.0		106	70-130			
1,2-Dichloropropane	22.4		µg/kg wet	20.0		112	70-130			
1,3-Dichloropropane	19.7		µg/kg wet	20.0		98.5	70-130			
2,2-Dichloropropane	20.6		µg/kg wet	20.0		103	70-130			
1,1-Dichloropropene	23.3		µg/kg wet	20.0		116	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090681 - SW846 5035A Soil (low level)										
LCS (5090681-BS1)				Prepared & Analyzed: 12-Sep-05						
cis-1,3-Dichloropropene	20.2		µg/kg wet	20.0		101	70-130			
trans-1,3-Dichloropropene	19.4		µg/kg wet	20.0		97.0	70-130			
Ethylbenzene	22.6		µg/kg wet	20.0		113	70-130			
Hexachlorobutadiene	23.3		µg/kg wet	20.0		116	67-154			
2-Hexanone (MBK)	20.6		µg/kg wet	20.0		103	70-130			
Isopropylbenzene	22.2		µg/kg wet	20.0		111	70-130			
4-Isopropyltoluene	23.9		µg/kg wet	20.0		120	70-130			
Methyl tert-butyl ether	20.3		µg/kg wet	20.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet	20.0		97.0	38.8-135			
Methylene chloride	20.2		µg/kg wet	20.0		101	70-130			
Naphthalene	24.1		µg/kg wet	20.0		120	70-130			
n-Propylbenzene	22.8		µg/kg wet	20.0		114	70-130			
Styrene	20.2		µg/kg wet	20.0		101	70-130			
1,1,1,2-Tetrachloroethane	21.1		µg/kg wet	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	19.9		µg/kg wet	20.0		99.5	70-130			
Tetrachloroethene	20.8		µg/kg wet	20.0		104	70-130			
Toluene	21.6		µg/kg wet	20.0		108	70-130			
1,2,3-Trichlorobenzene	22.7		µg/kg wet	20.0		114	70-130			
1,2,4-Trichlorobenzene	21.7		µg/kg wet	20.0		108	70-130			
1,1,1-Trichloroethane	23.7		µg/kg wet	20.0		118	70-130			
1,1,2-Trichloroethane	21.0		µg/kg wet	20.0		105	70-130			
Trichloroethene	22.7		µg/kg wet	20.0		114	70-130			
Trichlorofluoromethane (Freon 11)	26.6		µg/kg wet	20.0		133	66.7-150			
1,2,3-Trichloropropane	19.8		µg/kg wet	20.0		99.0	70-130			
1,2,4-Trimethylbenzene	22.3		µg/kg wet	20.0		112	70-130			
1,3,5-Trimethylbenzene	22.6		µg/kg wet	20.0		113	70-130			
Vinyl chloride	25.8		µg/kg wet	20.0		129	70-130			
m,p-Xylene	44.5		µg/kg wet	40.0		111	70-130			
o-Xylene	22.1		µg/kg wet	20.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/kg wet	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.1*		µg/kg wet	*50.0*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.1*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet	*50.0*		*102*	*70-130*			
LCS Dup (5090681-BSD1)				Prepared & Analyzed: 12-Sep-05						
Acetone	31.6		µg/kg wet	20.0		158	0.663-201	14.2	50	
Acrylonitrile	21.5		µg/kg wet	20.0		108	70-130	3.64	25	
Benzene	21.7		µg/kg wet	20.0		108	70-130	1.83	25	
Bromobenzene	20.0		µg/kg wet	20.0		100	70-130	4.88	25	
Bromochloromethane	19.9		µg/kg wet	20.0		99.5	70-130	1.50	25	
Bromodichloromethane	21.9		µg/kg wet	20.0		110	70-130	3.57	25	
Bromoform	18.1		µg/kg wet	20.0		90.5	70-130	1.11	25	
Bromomethane	13.1		µg/kg wet	20.0		65.5	54-151	0.766	50	
2-Butanone (MEK)	20.6		µg/kg wet	20.0		103	6.66-154	2.87	50	
n-Butylbenzene	23.0		µg/kg wet	20.0		115	70-130	0.866	25	
sec-Butylbenzene	23.6		µg/kg wet	20.0		118	70-130	2.51	25	
tert-Butylbenzene	23.2		µg/kg wet	20.0		116	70-130	1.71	25	
Carbon disulfide	23.3		µg/kg wet	20.0		116	70-130	1.71	25	
Carbon tetrachloride	21.5		µg/kg wet	20.0		108	70-130	0.00	25	
Chlorobenzene	21.1		µg/kg wet	20.0		106	70-130	1.87	25	
Chloroethane	25.2		µg/kg wet	20.0		126	64.5-148	4.65	50	
Chloroform	20.4		µg/kg wet	20.0		102	70-130	1.94	25	
Chloromethane	24.1		µg/kg wet	20.0		120	70-130	1.68	25	
2-Chlorotoluene	22.0		µg/kg wet	20.0		110	70-130	5.31	25	
4-Chlorotoluene	21.6		µg/kg wet	20.0		108	70-130	3.64	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090681 - SW846 5035A Soil (low level)										
LCS Dup (5090681-BSD1)				Prepared & Analyzed: 12-Sep-05						
1,2-Dibromo-3-chloropropane	18.9		µg/kg wet	20.0		94.5	70-130	12.4	25	
Dibromochloromethane	19.1		µg/kg wet	20.0		95.5	52-148	1.56	50	
1,2-Dibromoethane (EDB)	19.8		µg/kg wet	20.0		99.0	70-130	2.00	25	
Dibromomethane	19.9		µg/kg wet	20.0		99.5	70-130	2.48	25	
1,2-Dichlorobenzene	20.9		µg/kg wet	20.0		104	70-130	2.84	25	
1,3-Dichlorobenzene	20.3		µg/kg wet	20.0		102	70-130	5.71	25	
1,4-Dichlorobenzene	20.8		µg/kg wet	20.0		104	70-130	0.00	25	
Dichlorodifluoromethane (Freon12)	31.5		µg/kg wet	20.0		158	60.6-196	0.00	50	
1,1-Dichloroethane	23.1		µg/kg wet	20.0		116	70-130	0.866	25	
1,2-Dichloroethane	21.6		µg/kg wet	20.0		108	70-130	0.930	25	
1,1-Dichloroethene	23.5		µg/kg wet	20.0		118	70-130	1.71	25	
cis-1,2-Dichloroethene	21.9		µg/kg wet	20.0		110	70-130	1.80	25	
trans-1,2-Dichloroethene	21.1		µg/kg wet	20.0		106	70-130	0.00	25	
1,2-Dichloropropane	21.9		µg/kg wet	20.0		110	70-130	1.80	25	
1,3-Dichloropropane	19.4		µg/kg wet	20.0		97.0	70-130	1.53	25	
2,2-Dichloropropane	20.2		µg/kg wet	20.0		101	70-130	1.96	25	
1,1-Dichloropropene	23.3		µg/kg wet	20.0		116	70-130	0.00	25	
cis-1,3-Dichloropropene	19.6		µg/kg wet	20.0		98.0	70-130	3.02	25	
trans-1,3-Dichloropropene	18.9		µg/kg wet	20.0		94.5	70-130	2.61	25	
Ethylbenzene	22.6		µg/kg wet	20.0		113	70-130	0.00	25	
Hexachlorobutadiene	20.5		µg/kg wet	20.0		102	67-154	12.8	50	
2-Hexanone (MBK)	19.7		µg/kg wet	20.0		98.5	70-130	4.47	25	
Isopropylbenzene	22.0		µg/kg wet	20.0		110	70-130	0.905	25	
4-Isopropyltoluene	24.0		µg/kg wet	20.0		120	70-130	0.00	25	
Methyl tert-butyl ether	20.0		µg/kg wet	20.0		100	70-130	1.98	25	
4-Methyl-2-pentanone (MIBK)	18.8		µg/kg wet	20.0		94.0	38.8-135	3.14	50	
Methylene chloride	20.0		µg/kg wet	20.0		100	70-130	0.995	25	
Naphthalene	19.4		µg/kg wet	20.0		97.0	70-130	21.2	25	
n-Propylbenzene	22.8		µg/kg wet	20.0		114	70-130	0.00	25	
Styrene	19.7		µg/kg wet	20.0		98.5	70-130	2.51	25	
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet	20.0		102	70-130	3.85	25	
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet	20.0		98.0	70-130	1.52	25	
Tetrachloroethene	20.5		µg/kg wet	20.0		102	70-130	1.94	25	
Toluene	21.1		µg/kg wet	20.0		106	70-130	1.87	25	
1,2,3-Trichlorobenzene	18.3		µg/kg wet	20.0		91.5	70-130	21.9	25	
1,2,4-Trichlorobenzene	18.0		µg/kg wet	20.0		90.0	70-130	18.2	25	
1,1,1-Trichloroethane	23.5		µg/kg wet	20.0		118	70-130	0.00	25	
1,1,2-Trichloroethane	20.3		µg/kg wet	20.0		102	70-130	2.90	25	
Trichloroethene	22.2		µg/kg wet	20.0		111	70-130	2.67	25	
Trichlorofluoromethane (Freon 11)	26.9		µg/kg wet	20.0		134	66.7-150	0.749	50	
1,2,3-Trichloropropane	20.0		µg/kg wet	20.0		100	70-130	1.01	25	
1,2,4-Trimethylbenzene	21.6		µg/kg wet	20.0		108	70-130	3.64	25	
1,3,5-Trimethylbenzene	21.8		µg/kg wet	20.0		109	70-130	3.60	25	
Vinyl chloride	25.7		µg/kg wet	20.0		128	70-130	0.778	25	
m,p-Xylene	43.9		µg/kg wet	40.0		110	70-130	0.905	25	
o-Xylene	21.7		µg/kg wet	20.0		108	70-130	1.83	25	
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg wet	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.2*		µg/kg wet	*50.0*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		µg/kg wet	*50.0*		*102*	*70-130*			
Batch 5090705 - SW846 5030 Soil (high level)										
Blank (5090705-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acetone	BRL	20.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090705 - SW846 5030 Soil (high level)										
Blank (5090705-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
',4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
Methyl tert-butyl ether	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
luene	BRL	1.0	µg/kg wet							
ı,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090705 - SW846 5030 Soil (high level)										
Blank (5090705-BLK1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*49.7*		µg/kg wet	*50.0*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.3*		µg/kg wet	*50.0*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*55.2*		µg/kg wet	*50.0*		*110*	*70-130*			
LCS (5090705-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acetone	15.9		µg/kg wet	20.0		79.5	0.663-201			
Acrylonitrile	18.1		µg/kg wet	20.0		90.5	70-130			
Benzene	17.6		µg/kg wet	20.0		88.0	70-130			
Bromobenzene	20.2		µg/kg wet	20.0		101	70-130			
Bromochloromethane	20.1		µg/kg wet	20.0		100	70-130			
Bromodichloromethane	20.2		µg/kg wet	20.0		101	70-130			
Bromoform	14.9		µg/kg wet	20.0		74.5	70-130			
Bromomethane	9.9		µg/kg wet	20.0		49.5	54-151			QC-2
2-Butanone (MEK)	7.1		µg/kg wet	20.0		35.5	6.66-154			
n-Butylbenzene	18.5		µg/kg wet	20.0		92.5	70-130			
sec-Butylbenzene	21.0		µg/kg wet	20.0		105	70-130			
tert-Butylbenzene	20.2		µg/kg wet	20.0		101	70-130			
Carbon disulfide	21.9		µg/kg wet	20.0		110	70-130			
Carbon tetrachloride	19.2		µg/kg wet	20.0		96.0	70-130			
Chlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130			
Chloroethane	20.4		µg/kg wet	20.0		102	64.5-148			
Chloroform	19.3		µg/kg wet	20.0		96.5	70-130			
Chloromethane	13.6		µg/kg wet	20.0		68.0	70-130			QC-2
2-Chlorotoluene	18.7		µg/kg wet	20.0		93.5	70-130			
4-Chlorotoluene	19.9		µg/kg wet	20.0		99.5	70-130			
1,2-Dibromo-3-chloropropane	14.7		µg/kg wet	20.0		73.5	70-130			
Dibromochloromethane	18.5		µg/kg wet	20.0		92.5	52-148			
1,2-Dibromoethane (EDB)	20.1		µg/kg wet	20.0		100	70-130			
Dibromomethane	20.8		µg/kg wet	20.0		104	70-130			
1,2-Dichlorobenzene	19.5		µg/kg wet	20.0		97.5	70-130			
1,3-Dichlorobenzene	21.4		µg/kg wet	20.0		107	70-130			
1,4-Dichlorobenzene	19.2		µg/kg wet	20.0		96.0	70-130			
Dichlorodifluoromethane (Freon12)	21.6		µg/kg wet	20.0		108	60.6-196			
1,1-Dichloroethane	18.1		µg/kg wet	20.0		90.5	70-130			
1,2-Dichloroethane	20.7		µg/kg wet	20.0		104	70-130			
1,1-Dichloroethene	20.1		µg/kg wet	20.0		100	70-130			
cis-1,2-Dichloroethene	19.3		µg/kg wet	20.0		96.5	70-130			
trans-1,2-Dichloroethene	18.5		µg/kg wet	20.0		92.5	70-130			
1,2-Dichloropropane	17.3		µg/kg wet	20.0		86.5	70-130			
1,3-Dichloropropane	18.4		µg/kg wet	20.0		92.0	70-130			
2,2-Dichloropropane	19.5		µg/kg wet	20.0		97.5	70-130			
1,1-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130			
cis-1,3-Dichloropropene	16.9		µg/kg wet	20.0		84.5	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090705 - SW846 5030 Soil (high level)										
LCS (5090705-BS1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
trans-1,3-Dichloropropene	17.1		µg/kg wet	20.0		85.5	70-130			
Ethylbenzene	18.6		µg/kg wet	20.0		93.0	70-130			
Hexachlorobutadiene	19.4		µg/kg wet	20.0		97.0	67-154			
2-Hexanone (MBK)	17.0		µg/kg wet	20.0		85.0	70-130			
Isopropylbenzene	18.5		µg/kg wet	20.0		92.5	70-130			
4-Isopropyltoluene	20.5		µg/kg wet	20.0		102	70-130			
Methyl tert-butyl ether	18.7		µg/kg wet	20.0		93.5	70-130			
4-Methyl-2-pentanone (MIBK)	14.3		µg/kg wet	20.0		71.5	38.8-135			
Methylene chloride	20.0		µg/kg wet	20.0		100	70-130			
Naphthalene	16.1		µg/kg wet	20.0		80.5	70-130			
n-Propylbenzene	20.6		µg/kg wet	20.0		103	70-130			
Styrene	17.8		µg/kg wet	20.0		89.0	70-130			
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet	20.0		98.5	70-130			
1,1,2,2-Tetrachloroethane	16.9		µg/kg wet	20.0		84.5	70-130			
Tetrachloroethene	19.5		µg/kg wet	20.0		97.5	70-130			
Toluene	18.6		µg/kg wet	20.0		93.0	70-130			
1,2,3-Trichlorobenzene	15.8		µg/kg wet	20.0		79.0	70-130			
1,2,4-Trichlorobenzene	17.1		µg/kg wet	20.0		85.5	70-130			
1,1,1-Trichloroethane	21.1		µg/kg wet	20.0		106	70-130			
1,1,2-Trichloroethane	18.6		µg/kg wet	20.0		93.0	70-130			
Trichloroethene	20.1		µg/kg wet	20.0		100	70-130			
Trichlorofluoromethane (Freon 11)	25.9		µg/kg wet	20.0		130	66.7-150			
1,2,3-Trichloropropane	17.2		µg/kg wet	20.0		86.0	70-130			
1,2,4-Trimethylbenzene	20.4		µg/kg wet	20.0		102	70-130			
1,3,5-Trimethylbenzene	19.6		µg/kg wet	20.0		98.0	70-130			
Vinyl chloride	19.3		µg/kg wet	20.0		96.5	70-130			
m,p-Xylene	37.4		µg/kg wet	40.0		93.5	70-130			
o-Xylene	19.1		µg/kg wet	20.0		95.5	70-130			
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/kg wet	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.1*		µg/kg wet	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*55.7*		µg/kg wet	*50.0*		*111*	*70-130*			
LCS Dup (5090705-BSD1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Acetone	15.3		µg/kg wet	20.0		76.5	0.663-201	3.85	50	
Acrylonitrile	17.3		µg/kg wet	20.0		86.5	70-130	4.52	25	
Benzene	16.8		µg/kg wet	20.0		84.0	70-130	4.65	25	
Bromobenzene	19.6		µg/kg wet	20.0		98.0	70-130	3.02	25	
Bromochloromethane	19.2		µg/kg wet	20.0		96.0	70-130	4.08	25	
Bromodichloromethane	19.4		µg/kg wet	20.0		97.0	70-130	4.04	25	
Bromoform	14.8		µg/kg wet	20.0		74.0	70-130	0.673	25	
Bromomethane	9.9		µg/kg wet	20.0		49.5	54-151	0.00	50	QC-2
2-Butanone (MEK)	7.0		µg/kg wet	20.0		35.0	6.66-154	1.42	50	
n-Butylbenzene	17.0		µg/kg wet	20.0		85.0	70-130	8.45	25	
sec-Butylbenzene	19.9		µg/kg wet	20.0		99.5	70-130	5.38	25	
tert-Butylbenzene	19.2		µg/kg wet	20.0		96.0	70-130	5.08	25	
Carbon disulfide	20.2		µg/kg wet	20.0		101	70-130	8.53	25	
Carbon tetrachloride	18.1		µg/kg wet	20.0		90.5	70-130	5.90	25	
Chlorobenzene	18.7		µg/kg wet	20.0		93.5	70-130	2.64	25	
Chloroethane	18.8		µg/kg wet	20.0		94.0	64.5-148	8.16	50	
Chloroform	18.3		µg/kg wet	20.0		91.5	70-130	5.32	25	
Chloromethane	13.7		µg/kg wet	20.0		68.5	70-130	0.733	25	QC-2
Chlorotoluene	18.4		µg/kg wet	20.0		92.0	70-130	1.62	25	
Chlorotoluene	19.2		µg/kg wet	20.0		96.0	70-130	3.58	25	
1,2-Dibromo-3-chloropropane	14.4		µg/kg wet	20.0		72.0	70-130	2.06	25	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090705 - SW846 5030 Soil (high level)										
LCS Dup (5090705-BSD1)				Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Dibromochloromethane	17.9		µg/kg wet	20.0		89.5	52-148	3.30	50	
1,2-Dibromoethane (EDB)	19.2		µg/kg wet	20.0		96.0	70-130	4.08	25	
Dibromomethane	20.3		µg/kg wet	20.0		102	70-130	1.94	25	
1,2-Dichlorobenzene	18.6		µg/kg wet	20.0		93.0	70-130	4.72	25	
1,3-Dichlorobenzene	20.4		µg/kg wet	20.0		102	70-130	4.78	25	
1,4-Dichlorobenzene	18.6		µg/kg wet	20.0		93.0	70-130	3.17	25	
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet	20.0		102	60.6-196	5.71	50	
1,1-Dichloroethane	17.6		µg/kg wet	20.0		88.0	70-130	2.80	25	
1,2-Dichloroethane	20.1		µg/kg wet	20.0		100	70-130	3.92	25	
1,1-Dichloroethene	18.7		µg/kg wet	20.0		93.5	70-130	6.72	25	
cis-1,2-Dichloroethene	18.5		µg/kg wet	20.0		92.5	70-130	4.23	25	
trans-1,2-Dichloroethene	17.3		µg/kg wet	20.0		86.5	70-130	6.70	25	
1,2-Dichloropropane	16.7		µg/kg wet	20.0		83.5	70-130	3.53	25	
1,3-Dichloropropane	17.5		µg/kg wet	20.0		87.5	70-130	5.01	25	
2,2-Dichloropropane	18.1		µg/kg wet	20.0		90.5	70-130	7.45	25	
1,1-Dichloropropene	17.2		µg/kg wet	20.0		86.0	70-130	6.74	25	
cis-1,3-Dichloropropene	16.2		µg/kg wet	20.0		81.0	70-130	4.23	25	
trans-1,3-Dichloropropene	16.3		µg/kg wet	20.0		81.5	70-130	4.79	25	
Ethylbenzene	18.1		µg/kg wet	20.0		90.5	70-130	2.72	25	
Hexachlorobutadiene	17.0		µg/kg wet	20.0		85.0	67-154	13.2	50	
2-Hexanone (MBK)	16.3		µg/kg wet	20.0		81.5	70-130	4.20	25	
Isopropylbenzene	17.9		µg/kg wet	20.0		89.5	70-130	3.30	25	
4-Isopropyltoluene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
Methyl tert-butyl ether	18.3		µg/kg wet	20.0		91.5	70-130	2.16	25	
4-Methyl-2-pentanone (MIBK)	13.7		µg/kg wet	20.0		68.5	38.8-135	4.29	50	
Methylene chloride	19.2		µg/kg wet	20.0		96.0	70-130	4.08	25	
Naphthalene	15.0		µg/kg wet	20.0		75.0	70-130	7.07	25	
n-Propylbenzene	19.5		µg/kg wet	20.0		97.5	70-130	5.49	25	
Styrene	18.1		µg/kg wet	20.0		90.5	70-130	1.67	25	
1,1,1,2-Tetrachloroethane	18.7		µg/kg wet	20.0		93.5	70-130	5.21	25	
1,1,2,2-Tetrachloroethane	17.0		µg/kg wet	20.0		85.0	70-130	0.590	25	
Tetrachloroethene	18.2		µg/kg wet	20.0		91.0	70-130	6.90	25	
Toluene	17.5		µg/kg wet	20.0		87.5	70-130	6.09	25	
1,2,3-Trichlorobenzene	14.6		µg/kg wet	20.0		73.0	70-130	7.89	25	
1,2,4-Trichlorobenzene	15.6		µg/kg wet	20.0		78.0	70-130	9.17	25	
1,1,1-Trichloroethane	20.0		µg/kg wet	20.0		100	70-130	5.83	25	
1,1,2-Trichloroethane	18.2		µg/kg wet	20.0		91.0	70-130	2.17	25	
Trichloroethene	19.0		µg/kg wet	20.0		95.0	70-130	5.13	25	
Trichlorofluoromethane (Freon 11)	24.2		µg/kg wet	20.0		121	66.7-150	7.17	50	
1,2,3-Trichloropropane	17.6		µg/kg wet	20.0		88.0	70-130	2.30	25	
1,2,4-Trimethylbenzene	19.6		µg/kg wet	20.0		98.0	70-130	4.00	25	
1,3,5-Trimethylbenzene	18.8		µg/kg wet	20.0		94.0	70-130	4.17	25	
Vinyl chloride	18.0		µg/kg wet	20.0		90.0	70-130	6.97	25	
m,p-Xylene	36.3		µg/kg wet	40.0		90.8	70-130	2.93	25	
o-Xylene	18.9		µg/kg wet	20.0		94.5	70-130	1.05	25	
Surrogate: 4-Bromofluorobenzene	*50.7*		µg/kg wet	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*48.6*		µg/kg wet	*50.0*		*97.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.4*		µg/kg wet	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*55.0*		µg/kg wet	*50.0*		*110*	*70-130*			
Matrix Spike (5090705-MS1)		**Source: SA33798-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Benzene	15.5		µg/kg dry	20.0	BRL	77.5	70-130			
Chlorobenzene	17.7		µg/kg dry	20.0	BRL	88.5	70-130			
1,1-Dichloroethene	18.3		µg/kg dry	20.0	BRL	91.5	70-130			
Toluene	27.1		µg/kg dry	20.0	12.9	71.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090705 - SW846 5030 Soil (high level)										
Matrix Spike (5090705-MS1)		**Source: SA33798-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Trichloroethene	18.2		µg/kg dry	20.0	BRL	91.0	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg dry	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*51.2*		µg/kg dry	*50.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.5*		µg/kg dry	*50.0*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*55.9*		µg/kg dry	*50.0*		*112*	*70-130*			
Matrix Spike Dup (5090705-MSD1)		**Source: SA33798-01**		Prepared: 12-Sep-05 Analyzed: 13-Sep-05						
Benzene	16.0		µg/kg dry	20.0	BRL	80.0	70-130	3.17	30	
Chlorobenzene	18.0		µg/kg dry	20.0	BRL	90.0	70-130	1.68	30	
1,1-Dichloroethene	18.7		µg/kg dry	20.0	BRL	93.5	70-130	2.16	30	
Toluene	26.7		µg/kg dry	20.0	12.9	69.0	70-130	2.86	30	QM-07
Trichloroethene	18.8		µg/kg dry	20.0	BRL	94.0	70-130	3.24	30	
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg dry	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*50.7*		µg/kg dry	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*57.4*		µg/kg dry	*50.0*		*115*	*70-130*			
Surrogate: Dibromofluoromethane	*55.6*		µg/kg dry	*50.0*		*111*	*70-130*			
Batch 5090805 - SW846 5030 Water MS										
Blank (5090805-BLK1)				Prepared & Analyzed: 13-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090805 - SW846 5030 Water MS										
Blank (5090805-BLK1)				Prepared & Analyzed: 13-Sep-05						
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/l	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.6*		µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*53.4*		µg/l	*50.0*		*107*	*70-130*			
LCS (5090805-BS1)				Prepared & Analyzed: 13-Sep-05						
Acetone	23.1		µg/l	20.0		116	20.7-193			
Acrylonitrile	19.6		µg/l	20.0		98.0	70-130			
Benzene	18.3		µg/l	20.0		91.5	70-130			
Bromobenzene	20.4		µg/l	20.0		102	70-130			
Bromochloromethane	20.1		µg/l	20.0		100	70-130			
Bromodichloromethane	20.0		µg/l	20.0		100	70-130			
Bromoform	20.0		µg/l	20.0		100	70-130			
Bromomethane	19.2		µg/l	20.0		96.0	57.7-151			
2-Butanone (MEK)	16.8		µg/l	20.0		84.0	24-153			
n-Butylbenzene	19.6		µg/l	20.0		98.0	70-130			
sec-Butylbenzene	19.8		µg/l	20.0		99.0	70-130			
tert-Butylbenzene	20.9		µg/l	20.0		104	70-130			
Carbon disulfide	17.1		µg/l	20.0		85.5	70-130			
Carbon tetrachloride	18.9		µg/l	20.0		94.5	70-130			
Chlorobenzene	20.2		µg/l	20.0		101	70-130			
Chloroethane	21.2		µg/l	20.0		106	70-134			
Chloroform	17.2		µg/l	20.0		86.0	70-130			
Chloromethane	23.6		µg/l	20.0		118	70-130			
2-Chlorotoluene	19.4		µg/l	20.0		97.0	70-130			
4-Chlorotoluene	19.3		µg/l	20.0		96.5	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090805 - SW846 5030 Water MS										
LCS (5090805-BS1)				Prepared & Analyzed: 13-Sep-05						
1,2-Dibromo-3-chloropropane	20.4		µg/l	20.0		102	70-130			
Dibromochloromethane	20.8		µg/l	20.0		104	65.3-149			
1,2-Dibromoethane (EDB)	20.5		µg/l	20.0		102	70-130			
Dibromomethane	19.9		µg/l	20.0		99.5	70-130			
1,2-Dichlorobenzene	21.4		µg/l	20.0		107	70-130			
1,3-Dichlorobenzene	20.4		µg/l	20.0		102	70-130			
1,4-Dichlorobenzene	20.1		µg/l	20.0		100	70-130			
Dichlorodifluoromethane (Freon12)	25.1		µg/l	20.0		126	57.2-156			
1,1-Dichloroethane	18.8		µg/l	20.0		94.0	70-130			
1,2-Dichloroethane	19.7		µg/l	20.0		98.5	70-130			
1,1-Dichloroethene	17.9		µg/l	20.0		89.5	70-130			
cis-1,2-Dichloroethene	19.0		µg/l	20.0		95.0	70-130			
trans-1,2-Dichloroethene	17.6		µg/l	20.0		88.0	70-130			
1,2-Dichloropropane	19.8		µg/l	20.0		99.0	70-130			
1,3-Dichloropropane	19.6		µg/l	20.0		98.0	70-130			
2,2-Dichloropropane	17.3		µg/l	20.0		86.5	70-130			
1,1-Dichloropropene	18.2		µg/l	20.0		91.0	70-130			
cis-1,3-Dichloropropene	19.5		µg/l	20.0		97.5	70-130			
trans-1,3-Dichloropropene	19.4		µg/l	20.0		97.0	70-130			
Ethylbenzene	19.3		µg/l	20.0		96.5	70-130			
Hexachlorobutadiene	21.3		µg/l	20.0		106	70-145			
2-Hexanone (MBK)	15.8		µg/l	20.0		79.0	70-130			
Isopropylbenzene	19.1		µg/l	20.0		95.5	70-130			
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130			
Methyl tert-butyl ether	19.3		µg/l	20.0		96.5	70-130			
4-Methyl-2-pentanone (MIBK)	17.2		µg/l	20.0		86.0	51.9-135			
Methylene chloride	18.2		µg/l	20.0		91.0	70-130			
Naphthalene	23.9		µg/l	20.0		120	70-130			
n-Propylbenzene	18.8		µg/l	20.0		94.0	70-130			
Styrene	20.2		µg/l	20.0		101	70-130			
1,1,1,2-Tetrachloroethane	21.4		µg/l	20.0		107	70-130			
1,1,2,2-Tetrachloroethane	18.8		µg/l	20.0		94.0	70-130			
Tetrachloroethene	19.2		µg/l	20.0		96.0	70-130			
Toluene	18.6		µg/l	20.0		93.0	70-130			
1,2,3-Trichlorobenzene	21.5		µg/l	20.0		108	70-130			
1,2,4-Trichlorobenzene	21.2		µg/l	20.0		106	70-130			
1,1,1-Trichloroethane	18.6		µg/l	20.0		93.0	70-130			
1,1,2-Trichloroethane	19.2		µg/l	20.0		96.0	70-130			
Trichloroethene	18.7		µg/l	20.0		93.5	70-130			
Trichlorofluoromethane (Freon 11)	19.2		µg/l	20.0		96.0	68.2-143			
1,2,3-Trichloropropane	19.2		µg/l	20.0		96.0	70-130			
1,2,4-Trimethylbenzene	20.4		µg/l	20.0		102	70-130			
1,3,5-Trimethylbenzene	20.0		µg/l	20.0		100	70-130			
Vinyl chloride	19.4		µg/l	20.0		97.0	70-130			
m,p-Xylene	39.3		µg/l	40.0		98.2	70-130			
o-Xylene	20.6		µg/l	20.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*48.1*		µg/l	*50.0*		*96.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.2*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*51.0*		µg/l	*50.0*		*102*	*70-130*			
LCS Dup (5090805-BSD1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Acetone	20.5		µg/l	20.0		102	20.7-193	12.8	50	
Acrylonitrile	18.0		µg/l	20.0		90.0	70-130	8.51	25	
Benzene	17.5		µg/l	20.0		87.5	70-130	4.47	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090805 - SW846 5030 Water MS										
LCS Dup (5090805-BSD1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Bromobenzene	19.6		µg/l	20.0		98.0	70-130	4.00	25	
Bromochloromethane	19.6		µg/l	20.0		98.0	70-130	2.02	25	
Bromodichloromethane	19.6		µg/l	20.0		98.0	70-130	2.02	25	
Bromoform	19.2		µg/l	20.0		96.0	70-130	4.08	25	
Bromomethane	17.5		µg/l	20.0		87.5	57.7-151	9.26	50	
2-Butanone (MEK)	17.0		µg/l	20.0		85.0	24-153	1.18	50	
n-Butylbenzene	18.7		µg/l	20.0		93.5	70-130	4.70	25	
sec-Butylbenzene	19.4		µg/l	20.0		97.0	70-130	2.04	25	
tert-Butylbenzene	20.4		µg/l	20.0		102	70-130	1.94	25	
Carbon disulfide	16.2		µg/l	20.0		81.0	70-130	5.41	25	
Carbon tetrachloride	18.4		µg/l	20.0		92.0	70-130	2.68	25	
Chlorobenzene	19.5		µg/l	20.0		97.5	70-130	3.53	25	
Chloroethane	20.0		µg/l	20.0		100	70-134	5.83	50	
Chloroform	16.8		µg/l	20.0		84.0	70-130	2.35	25	
Chloromethane	22.2		µg/l	20.0		111	70-130	6.11	25	
2-Chlorotoluene	18.5		µg/l	20.0		92.5	70-130	4.75	25	
4-Chlorotoluene	18.8		µg/l	20.0		94.0	70-130	2.62	25	
1,2-Dibromo-3-chloropropane	19.3		µg/l	20.0		96.5	70-130	5.54	25	
Dibromochloromethane	20.0		µg/l	20.0		100	65.3-149	3.92	50	
1,2-Dibromoethane (EDB)	19.1		µg/l	20.0		95.5	70-130	6.58	25	
Dibromomethane	18.7		µg/l	20.0		93.5	70-130	6.22	25	
1,2-Dichlorobenzene	20.2		µg/l	20.0		101	70-130	5.77	25	
1,3-Dichlorobenzene	20.1		µg/l	20.0		100	70-130	1.98	25	
1,4-Dichlorobenzene	19.0		µg/l	20.0		95.0	70-130	5.13	25	
Dichlorodifluoromethane (Freon12)	25.0		µg/l	20.0		125	57.2-156	0.797	50	
1,1-Dichloroethane	18.0		µg/l	20.0		90.0	70-130	4.35	25	
1,2-Dichloroethane	19.6		µg/l	20.0		98.0	70-130	0.509	25	
1,1-Dichloroethene	17.2		µg/l	20.0		86.0	70-130	3.99	25	
cis-1,2-Dichloroethene	18.0		µg/l	20.0		90.0	70-130	5.41	25	
trans-1,2-Dichloroethene	17.0		µg/l	20.0		85.0	70-130	3.47	25	
1,2-Dichloropropane	18.8		µg/l	20.0		94.0	70-130	5.18	25	
1,3-Dichloropropane	18.6		µg/l	20.0		93.0	70-130	5.24	25	
2,2-Dichloropropane	16.8		µg/l	20.0		84.0	70-130	2.93	25	
1,1-Dichloropropene	17.9		µg/l	20.0		89.5	70-130	1.66	25	
cis-1,3-Dichloropropene	18.6		µg/l	20.0		93.0	70-130	4.72	25	
trans-1,3-Dichloropropene	18.5		µg/l	20.0		92.5	70-130	4.75	25	
Ethylbenzene	18.8		µg/l	20.0		94.0	70-130	2.62	25	
Hexachlorobutadiene	20.0		µg/l	20.0		100	70-145	5.83	50	
2-Hexanone (MBK)	15.3		µg/l	20.0		76.5	70-130	3.22	25	
Isopropylbenzene	18.8		µg/l	20.0		94.0	70-130	1.58	25	
4-Isopropyltoluene	20.6		µg/l	20.0		103	70-130	3.81	25	
Methyl tert-butyl ether	18.7		µg/l	20.0		93.5	70-130	3.16	25	
4-Methyl-2-pentanone (MIBK)	16.3		µg/l	20.0		81.5	51.9-135	5.37	50	
Methylene chloride	18.0		µg/l	20.0		90.0	70-130	1.10	25	
Naphthalene	19.6		µg/l	20.0		98.0	70-130	20.2	25	
n-Propylbenzene	18.6		µg/l	20.0		93.0	70-130	1.07	25	
Styrene	19.5		µg/l	20.0		97.5	70-130	3.53	25	
1,1,1,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130	2.84	25	
1,1,2,2-Tetrachloroethane	17.4		µg/l	20.0		87.0	70-130	7.73	25	
Tetrachloroethene	18.4		µg/l	20.0		92.0	70-130	4.26	25	
Toluene	17.6		µg/l	20.0		88.0	70-130	5.52	25	
1,2,3-Trichlorobenzene	19.4		µg/l	20.0		97.0	70-130	10.7	25	
1,2,4-Trichlorobenzene	19.3		µg/l	20.0		96.5	70-130	9.38	25	
1,1,1-Trichloroethane	18.6		µg/l	20.0		93.0	70-130	0.00	25	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090805 - SW846 5030 Water MS										
LCS Dup (5090805-BSD1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
1,1,2-Trichloroethane	18.2		µg/l	20.0		91.0	70-130	5.35	25	
Trichloroethene	17.2		µg/l	20.0		86.0	70-130	8.36	25	
Trichlorofluoromethane (Freon 11)	18.8		µg/l	20.0		94.0	68.2-143	2.11	50	
1,2,3-Trichloropropane	18.3		µg/l	20.0		91.5	70-130	4.80	25	
1,2,4-Trimethylbenzene	20.2		µg/l	20.0		101	70-130	0.985	25	
1,3,5-Trimethylbenzene	20.0		µg/l	20.0		100	70-130	0.00	25	
Vinyl chloride	19.5		µg/l	20.0		97.5	70-130	0.514	25	
m,p-Xylene	38.7		µg/l	40.0		96.8	70-130	1.44	25	
o-Xylene	20.3		µg/l	20.0		102	70-130	0.976	25	
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*49.2*		µg/l	*50.0*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.4*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike (5090805-MS1)		**Source: SA33846-07**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Benzene	18.3		µg/l	20.0	BRL	91.5	70-130			
Chlorobenzene	21.3		µg/l	20.0	BRL	106	70-130			
1,1-Dichloroethene	16.2		µg/l	20.0	BRL	81.0	70-130			
Toluene	19.2		µg/l	20.0	BRL	96.0	70-130			
Trichloroethene	18.6		µg/l	20.0	BRL	93.0	70-130			
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.9*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5090805-MSD1)		**Source: SA33846-07**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Benzene	18.9		µg/l	20.0	BRL	94.5	70-130	3.23	30	
Chlorobenzene	22.0		µg/l	20.0	BRL	110	70-130	3.70	30	
1,1-Dichloroethene	17.6		µg/l	20.0	BRL	88.0	70-130	8.28	30	
Toluene	19.7		µg/l	20.0	BRL	98.5	70-130	2.57	30	
Trichloroethene	19.7		µg/l	20.0	BRL	98.5	70-130	5.74	30	
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.0*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*51.8*		µg/l	*50.0*		*104*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090749 - SW846 3550B										
Blank (5090749-BLK1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*2.60*		mg/kg wet	*3.33*		*78.1*	*40-140*			
LCS (5090749-BS1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
C9-C36 Aliphatic Hydrocarbons	97.0	13.3	mg/kg wet	93.3		104	40-140			
Surrogate: 1-Chlorooctadecane	*1.58*		mg/kg wet	*3.33*		*47.4*	*40-140*			
Duplicate (5090749-DUP1)		**Source: SA33942-01**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Gasoline	BRL	25.3	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	25.3	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	25.3	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	25.3	mg/kg dry		BRL				50	
Motor Oil	BRL	25.3	mg/kg dry		BRL				50	
Aviation Fuel	BRL	25.3	mg/kg dry		BRL				50	
Unidentified	BRL	25.3	mg/kg dry		BRL				50	
Other Oil	BRL	25.3	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	BRL	25.3	mg/kg dry		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	25.3	mg/kg dry		BRL				50	
Surrogate: 1-Chlorooctadecane	*1.45*		mg/kg dry	*3.16*		*45.9*	*40-140*			
Matrix Spike (5090749-MS1)		**Source: SA33942-01**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
C9-C36 Aliphatic Hydrocarbons	81.7	12.8	mg/kg dry	90.2	BRL	90.6	40-140			
Surrogate: 1-Chlorooctadecane	*1.45*		mg/kg dry	*3.22*		*45.0*	*40-140*			
Matrix Spike Dup (5090749-MSD1)		**Source: SA33942-01**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
C9-C36 Aliphatic Hydrocarbons	76.9	13.2	mg/kg dry	92.6	BRL	83.0	40-140	8.76	30	
Surrogate: 1-Chlorooctadecane	*1.39*		mg/kg dry	*3.31*		*42.0*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090747 - SW846 3550B										
Blank (5090747-BLK1)				Prepared & Analyzed: 13-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet	*28.6*		*69.9*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
LCS (5090747-BS1)				Prepared & Analyzed: 13-Sep-05						
PCB 1016	370	28.6	µg/kg wet	357		104	40-140			
PCB 1260	354	28.6	µg/kg wet	357		99.2	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.6*		µg/kg wet	*28.6*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet	*28.6*		*85.0*	*30-150*			
Duplicate (5090747-DUP1)		**Source: SA33665-05**		Prepared & Analyzed: 13-Sep-05						
PCB 1016	BRL	30.2	µg/kg dry		BRL				40	
PCB 1221	BRL	30.2	µg/kg dry		BRL				40	
PCB 1232	BRL	30.2	µg/kg dry		BRL				40	
PCB 1242	BRL	30.2	µg/kg dry		BRL				40	
PCB 1248	BRL	30.2	µg/kg dry		BRL				40	
PCB 1254	BRL	30.2	µg/kg dry		BRL				40	
PCB 1260	BRL	30.2	µg/kg dry		BRL				40	
PCB 1262	BRL	30.2	µg/kg dry		BRL				40	
PCB 1268	BRL	30.2	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.6*		µg/kg dry	*30.2*		*74.8*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*31.7*		µg/kg dry	*30.2*		*105*	*30-150*			
Matrix Spike (5090747-MS1)		**Source: SA33665-05**		Prepared & Analyzed: 13-Sep-05						
PCB 1016	368	28.7	µg/kg dry	359	BRL	103	40-140			
PCB 1260	411	28.7	µg/kg dry	359	BRL	114	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*31.6*		µg/kg dry	*28.7*		*110*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*30.2*		µg/kg dry	*28.7*		*105*	*30-150*			
Matrix Spike Dup (5090747-MSD1)		**Source: SA33665-05**		Prepared & Analyzed: 13-Sep-05						
PCB 1016	357	29.3	µg/kg dry	366	BRL	97.5	40-140	5.49	50	
PCB 1260	367	29.3	µg/kg dry	366	BRL	100	40-140	13.1	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*30.7*		µg/kg dry	*29.2*		*105*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*24.9*		µg/kg dry	*29.2*		*85.3*	*30-150*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
Blank (5090748-BLK1)				Prepared & Analyzed: 13-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3′-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
Blank (5090748-BLK1)				Prepared & Analyzed: 13-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*2630*		µg/kg wet	*6670*		*39.4*	*30-130*			
Surrogate: 2-Fluorophenol	*2720*		µg/kg wet	*6670*		*40.8*	*15-110*			
Surrogate: Nitrobenzene-d5	*2440*		µg/kg wet	*6670*		*36.6*	*30-130*			
Surrogate: Phenol-d5	*2360*		µg/kg wet	*6670*		*35.4*	*15-110*			
Surrogate: Terphenyl-dl4	*2720*		µg/kg wet	*6670*		*40.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2110*		µg/kg wet	*6670*		*31.6*	*15-110*			
LCS (5090748-BS1)				Prepared & Analyzed: 13-Sep-05						
Acenaphthene	3540	330	µg/kg wet	6670		53.1	40-130			
Acenaphthylene	3770	330	µg/kg wet	6670		56.5	40-130			
Aniline	4140	330	µg/kg wet	6670		62.1	40-130			
Anthracene	3630	330	µg/kg wet	6670		54.4	40-130			
Atrazine	7440	330	µg/kg wet	6670		112	40-130			
Azobenzene/Diphenyldiazine	3430	330	µg/kg wet	6670		51.4	40-130			
Benzidine	3040	330	µg/kg wet	6670		45.6	40-130			
Benzo (a) anthracene	3570	330	µg/kg wet	6670		53.5	40-130			
Benzo (a) pyrene	3600	330	µg/kg wet	6670		54.0	40-130			
Benzo (b) fluoranthene	3260	330	µg/kg wet	6670		48.9	40-130			
Benzo (g,h,i) perylene	3310	330	µg/kg wet	6670		49.6	40-130			
Benzo (k) fluoranthene	3770	330	µg/kg wet	6670		56.5	40-130			
Benzoic acid	2540	330	µg/kg wet	6670		38.1	40-130			QC-1
Benzyl alcohol	4240	330	µg/kg wet	6670		63.6	40-130			
Bis(2-chloroethoxy)methane	3400	330	µg/kg wet	6670		51.0	40-130			
Bis(2-chloroethyl)ether	3670	330	µg/kg wet	6670		55.0	40-130			
Bis(2-chloroisopropyl)ether	4020	330	µg/kg wet	6670		60.3	40-130			
Bis(2-ethylhexyl)phthalate	3780	330	µg/kg wet	6670		56.7	40-130			
4-Bromophenyl phenyl ether	3630	330	µg/kg wet	6670		54.4	40-130			
Butyl benzyl phthalate	3760	330	µg/kg wet	6670		56.4	40-130			
Carbazole	3970	330	µg/kg wet	6670		59.5	40-130			
4-Chloro-3-methylphenol	3400	330	µg/kg wet	6670		51.0	40-130			
4-Chloroaniline	3040	330	µg/kg wet	6670		45.6	40-130			
2-Chloronaphthalene	3590	330	µg/kg wet	6670		53.8	40-130			
2-Chlorophenol	3630	330	µg/kg wet	6670		54.4	40-130			
4-Chlorophenyl phenyl ether	3620	330	µg/kg wet	6670		54.3	40-130			
Chrysene	3670	330	µg/kg wet	6670		55.0	40-130			
Dibenzo (a,h) anthracene	3510	330	µg/kg wet	6670		52.6	40-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
LCS (5090748-BS1)				Prepared & Analyzed: 13-Sep-05						
Dibenzofuran	3510	330	µg/kg wet	6670		52.6	40-130			
1,2-Dichlorobenzene	3500	330	µg/kg wet	6670		52.5	40-130			
1,3-Dichlorobenzene	3490	330	µg/kg wet	6670		52.3	40-130			
1,4-Dichlorobenzene	3410	330	µg/kg wet	6670		51.1	40-130			
3,3'-Dichlorobenzidine	3580	330	µg/kg wet	6670		53.7	40-130			
2,4-Dichlorophenol	3500	330	µg/kg wet	6670		52.5	40-130			
Diethyl phthalate	3590	330	µg/kg wet	6670		53.8	40-130			
Dimethyl phthalate	3520	330	µg/kg wet	6670		52.8	40-130			
2,4-Dimethylphenol	3470	330	µg/kg wet	6670		52.0	40-130			
Di-n-butyl phthalate	3720	330	µg/kg wet	6670		55.8	40-130			
4,6-Dinitro-2-methylphenol	4000	330	µg/kg wet	6670		60.0	40-130			
2,4-Dinitrophenol	3630	330	µg/kg wet	6670		54.4	40-130			
2,4-Dinitrotoluene	3730	330	µg/kg wet	6670		55.9	40-130			
2,6-Dinitrotoluene	3810	330	µg/kg wet	6670		57.1	40-130			
Di-n-octyl phthalate	3740	330	µg/kg wet	6670		56.1	40-130			
Fluoranthene	3530	330	µg/kg wet	6670		52.9	40-130			
Fluorene	3620	330	µg/kg wet	6670		54.3	40-130			
Hexachlorobenzene	3640	330	µg/kg wet	6670		54.6	40-130			
Hexachlorobutadiene	3320	330	µg/kg wet	6670		49.8	40-130			
Hexachlorocyclopentadiene	4390	330	µg/kg wet	6670		65.8	40-130			
Hexachloroethane	3440	330	µg/kg wet	6670		51.6	40-130			
Indeno (1,2,3-cd) pyrene	3500	330	µg/kg wet	6670		52.5	40-130			
Isophorone	3380	330	µg/kg wet	6670		50.7	40-130			
1-Methylnaphthalene	3410	330	µg/kg wet	6670		51.1	40-140			
2-Methylnaphthalene	3390	330	µg/kg wet	6670		50.8	40-130			
2-Methylphenol	3720	330	µg/kg wet	6670		55.8	40-130			
3,4-Methylphenol	3800	330	µg/kg wet	6670		57.0	40-130			
Naphthalene	3310	330	µg/kg wet	6670		49.6	40-130			
2-Nitroaniline	3470	330	µg/kg wet	6670		52.0	40-130			
3-Nitroaniline	3180	330	µg/kg wet	6670		47.7	40-130			
4-Nitroaniline	3550	1320	µg/kg wet	6670		53.2	40-130			
Nitrobenzene	3330	330	µg/kg wet	6670		49.9	40-130			
2-Nitrophenol	3700	330	µg/kg wet	6670		55.5	40-130			
4-Nitrophenol	3460	1320	µg/kg wet	6670		51.9	40-130			
N-Nitrosodimethylamine	4020	330	µg/kg wet	6670		60.3	40-130			
N-Nitrosodi-n-propylamine	3640	330	µg/kg wet	6670		54.6	40-130			
N-Nitrosodiphenylamine	4100	330	µg/kg wet	6670		61.5	40-130			
Pentachlorophenol	4330	1320	µg/kg wet	6670		64.9	40-130			
Phenanthrene	3530	330	µg/kg wet	6670		52.9	40-130			
Phenol	3650	330	µg/kg wet	6670		54.7	40-130			
Pyrene	3640	330	µg/kg wet	6670		54.6	40-130			
Pyridine	4100	330	µg/kg wet	6670		61.5	40-130			
1,2,4-Trichlorobenzene	3380	330	µg/kg wet	6670		50.7	40-130			
2,4,5-Trichlorophenol	3760	330	µg/kg wet	6670		56.4	40-130			
2,4,6-Trichlorophenol	3590	330	µg/kg wet	6670		53.8	40-130			
Surrogate: 2-Fluorobiphenyl	*3100*		µg/kg wet	*6670*		*46.5*	*30-130*			
Surrogate: 2-Fluorophenol	*2590*		µg/kg wet	*6670*		*38.8*	*15-110*			
Surrogate: Nitrobenzene-d5	*2790*		µg/kg wet	*6670*		*41.8*	*30-130*			
Surrogate: Phenol-d5	*2390*		µg/kg wet	*6670*		*35.8*	*15-110*			
Surrogate: Terphenyl-dl4	*2980*		µg/kg wet	*6670*		*44.7*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2970*		µg/kg wet	*6670*		*44.5*	*15-110*			
Duplicate (5090748-DUP1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Acenaphthene	BRL	229	µg/kg dry		BRL				50	
Acenaphthylene	BRL	229	µg/kg dry		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
Duplicate (5090748-DUP1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Aniline	BRL	229	µg/kg dry		BRL				50	
Anthracene	BRL	229	µg/kg dry		BRL				50	
Atrazine	BRL	229	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	229	µg/kg dry		BRL				50	
Benzidine	BRL	229	µg/kg dry		35.7			2.22	50	
Benzo (a) anthracene	BRL	229	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	229	µg/kg dry		43.6			17.7	50	
Benzo (b) fluoranthene	BRL	229	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	229	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	229	µg/kg dry		BRL				50	
Benzoic acid	BRL	229	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	229	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	229	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	229	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	229	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	229	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	229	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	229	µg/kg dry		BRL				50	
Carbazole	BRL	229	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	229	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	229	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	229	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	229	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	229	µg/kg dry		BRL				50	
Chrysene	BRL	229	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	229	µg/kg dry		BRL				50	
Dibenzofuran	BRL	229	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	229	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	229	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	229	µg/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	229	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	229	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	229	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	229	µg/kg dry		BRL				50	
2,4-Dimethylphenol	BRL	229	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	229	µg/kg dry		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	229	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	229	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	229	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	229	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	229	µg/kg dry		BRL				50	
Fluoranthene	BRL	229	µg/kg dry		BRL				50	
Fluorene	BRL	229	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	229	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	229	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	229	µg/kg dry		BRL				50	
Hexachloroethane	BRL	229	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	229	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	229	µg/kg dry		BRL				50	
Isophorone	BRL	229	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	229	µg/kg dry		BRL				50	
2-Methylphenol	BRL	229	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	229	µg/kg dry		BRL				50	
Naphthalene	BRL	229	µg/kg dry		BRL				50	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
Duplicate (5090748-DUP1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
2-Nitroaniline	BRL	229	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	229	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	914	µg/kg dry		BRL				50	
Nitrobenzene	BRL	229	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	229	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	914	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	229	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	229	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	229	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	914	µg/kg dry		BRL				50	
Phenanthrene	BRL	229	µg/kg dry		BRL				50	
Phenol	BRL	229	µg/kg dry		BRL				50	
Pyrene	BRL	229	µg/kg dry		BRL				50	
Pyridine	BRL	229	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	229	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	229	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	229	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*1160*		µg/kg dry	*2310*		*50.2*	*30-130*			
Surrogate: 2-Fluorophenol	*1250*		µg/kg dry	*2310*		*54.1*	*15-110*			
Surrogate: Nitrobenzene-d5	*1060*		µg/kg dry	*2310*		*45.9*	*30-130*			
Surrogate: Phenol-d5	*1090*		µg/kg dry	*2310*		*47.2*	*15-110*			
Surrogate: Terphenyl-dl4	*1360*		µg/kg dry	*2310*		*58.9*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*940*		µg/kg dry	*2310*		*40.7*	*15-110*			
Matrix Spike (5090748-MS1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Acenaphthene	2250	231	µg/kg dry	4670	BRL	48.2	40-140			
4-Chloro-3-methylphenol	4720	231	µg/kg dry	9330	BRL	50.6	30-130			
2-Chlorophenol	4870	231	µg/kg dry	9330	BRL	52.2	30-130			
1,4-Dichlorobenzene	2270	231	µg/kg dry	4670	BRL	48.6	40-140			
2,4-Dinitrotoluene	2190	231	µg/kg dry	4670	BRL	46.9	40-140			
4-Nitrophenol	4340	924	µg/kg dry	9330	BRL	46.5	30-130			
N-Nitrosodi-n-propylamine	2310	231	µg/kg dry	4670	BRL	49.5	40-140			
Pentachlorophenol	5240	924	µg/kg dry	9330	BRL	56.2	30-130			
Phenol	4370	231	µg/kg dry	9330	BRL	46.8	30-130			
Pyrene	2550	231	µg/kg dry	4670	BRL	54.6	40-140			
1,2,4-Trichlorobenzene	2170	231	µg/kg dry	4670	BRL	46.5	40-140			
Surrogate: 2-Fluorobiphenyl	*1900*		µg/kg dry	*4670*		*40.7*	*30-130*			
Surrogate: 2-Fluorophenol	*1760*		µg/kg dry	*4670*		*37.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*1880*		µg/kg dry	*4670*		*40.3*	*30-130*			
Surrogate: Phenol-d5	*1530*		µg/kg dry	*4670*		*32.8*	*15-110*			
Surrogate: Terphenyl-dl4	*2040*		µg/kg dry	*4670*		*43.7*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1900*		µg/kg dry	*4670*		*40.7*	*15-110*			
Matrix Spike Dup (5090748-MSD1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Acenaphthene	2250	230	µg/kg dry	4660	BRL	48.3	40-140	0.207	30	
4-Chloro-3-methylphenol	4640	230	µg/kg dry	9310	BRL	49.8	30-130	1.59	30	
2-Chlorophenol	4730	230	µg/kg dry	9310	BRL	50.8	30-130	2.72	30	
1,4-Dichlorobenzene	2200	230	µg/kg dry	4660	BRL	47.2	40-140	2.92	30	
2,4-Dinitrotoluene	2160	230	µg/kg dry	4660	BRL	46.4	40-140	1.07	30	
4-Nitrophenol	4240	922	µg/kg dry	9310	BRL	45.5	30-130	2.17	30	
N-Nitrosodi-n-propylamine	2230	230	µg/kg dry	4660	BRL	47.9	40-140	3.29	30	
Pentachlorophenol	5100	922	µg/kg dry	9310	BRL	54.8	30-130	2.52	30	
Phenol	4170	230	µg/kg dry	9310	BRL	44.8	30-130	4.37	30	
Pyrene	2550	230	µg/kg dry	4660	BRL	54.7	40-140	0.183	30	
1,2,4-Trichlorobenzene	2130	230	µg/kg dry	4660	BRL	45.7	40-140	1.74	30	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090748 - SW846 3550B										
Matrix Spike Dup (5090748-MSD1)		**Source: SA33846-06**		Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Surrogate: 2-Fluorobiphenyl	*1890*		µg/kg dry	*4660*		*40.6*	*30-130*			
Surrogate: 2-Fluorophenol	*1720*		µg/kg dry	*4660*		*36.9*	*15-110*			
Surrogate: Nitrobenzene-d5	*1890*		µg/kg dry	*4660*		*40.6*	*30-130*			
Surrogate: Phenol-d5	*1870*		µg/kg dry	*4660*		*40.1*	*15-110*			
Surrogate: Terphenyl-dl4	*2090*		µg/kg dry	*4660*		*44.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1890*		µg/kg dry	*4660*		*40.6*	*15-110*			
Batch 5091146 - SW846 1312										
Blank (5091146-BLK1)				Prepared & Analyzed: 17-Sep-05						
SPLP Extraction	Completed		N/A							
Batch 5091256 - SW846 3535										
Blank (5091256-BLK1)				Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
Naphthalene	BRL	5.00	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*199*		µg/l	*400*		*49.8*	*30-130*			
Surrogate: Terphenyl-dl4	*231*		µg/l	*400*		*57.8*	*30-130*			
LCS (5091256-BS1)				Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Acenaphthene	280	5.00	µg/l	400		70.0	40-140			
Acenaphthylene	308	5.00	µg/l	400		77.0	40-140			
Anthracene	311	5.00	µg/l	400		77.8	40-140			
Benzo (a) anthracene	305	5.00	µg/l	400		76.2	40-140			
Benzo (a) pyrene	311	5.00	µg/l	400		77.8	40-140			
Benzo (b) fluoranthene	289	5.00	µg/l	400		72.2	40-140			
Benzo (g,h,i) perylene	276	5.00	µg/l	400		69.0	40-140			
Benzo (k) fluoranthene	304	5.00	µg/l	400		76.0	40-140			
Chrysene	293	5.00	µg/l	400		73.2	40-140			
Dibenzo (a,h) anthracene	284	5.00	µg/l	400		71.0	40-140			
Fluoranthene	304	5.00	µg/l	400		76.0	40-140			
Fluorene	276	5.00	µg/l	400		69.0	40-140			
Indeno (1,2,3-cd) pyrene	285	5.00	µg/l	400		71.2	40-140			
1-Methylnaphthalene	274	5.00	µg/l	400		68.5	40-140			
2-Methylnaphthalene	275	5.00	µg/l	400		68.8	40-140			
Naphthalene	271	5.00	µg/l	400		67.8	40-140			
Phenanthrene	289	5.00	µg/l	400		72.2	40-140			
Pyrene	306	5.00	µg/l	400		76.5	40-140			
Surrogate: 2-Fluorobiphenyl	*237*		µg/l	*400*		*59.2*	*30-130*			
Surrogate: Terphenyl-dl4	*234*		µg/l	*400*		*58.5*	*30-130*			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091256 - SW846 3535										
Duplicate (5091256-DUP1)			**Source: SA33846-01**	Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Acenaphthene	BRL	5.00	µg/l		BRL				50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	
Anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	BRL	5.00	µg/l		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	
1-Methylnaphthalene	BRL	5.00	µg/l		BRL				200	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
Phenanthrene	BRL	5.00	µg/l		BRL				50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*221*		µg/l	*400*		*55.2*	*30-130*			
Surrogate: Terphenyl-dl4	*262*		µg/l	*400*		*65.5*	*30-130*			

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090718 - EPA200/SW7000 Series										
Blank (5090718-BLK1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5090718-BS1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.915	0.179	mg/kg wet	0.893		102	80-120			
Duplicate (5090718-DUP1)			**Source: SA33708-02**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	BRL	0.179	mg/kg dry		BRL				35	
Duplicate (5090718-DUP2)			**Source: SA33892-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	BRL	0.188	mg/kg dry		0.161			30.0	35	
Matrix Spike (5090718-MS1)			**Source: SA33846-05**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.579	0.178	mg/kg dry	0.415	1.32	NR	75-125			QM-05
Matrix Spike (5090718-MS2)			**Source: SA33942-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.538	0.160	mg/kg dry	0.373	BRL	144	75-125			QM-07
Matrix Spike Dup (5090718-MSD1)			**Source: SA33846-05**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.771	0.178	mg/kg dry	0.415	1.32	NR	75-125	28.4	35	QM-05
Matrix Spike Dup (5090718-MSD2)			**Source: SA33942-01**	Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	0.434	0.175	mg/kg dry	0.408	BRL	106	75-125	21.4	35	
Reference (5090718-SRM1)				Prepared: 13-Sep-05 Analyzed: 14-Sep-05						
Mercury	1.34	0.179	mg/kg wet	1.32		102	85-115			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090717 - EPA 200 Series										
Blank (5090717-BLK1)				Prepared & Analyzed: 13-Sep-05						
Zinc	1.82	1.00	mg/kg wet							QB-01
Nickel	BRL	1.00	mg/kg wet							
Silver	BRL	2.00	mg/kg wet							
Antimony	BRL	3.00	mg/kg wet							
Selenium	BRL	3.00	mg/kg wet							
Thallium	BRL	3.00	mg/kg wet							
Vanadium	BRL	1.00	mg/kg wet							
Copper	BRL	1.00	mg/kg wet							
Cadmium	BRL	0.500	mg/kg wet							
Arsenic	BRL	3.00	mg/kg wet							
Lead	BRL	1.50	mg/kg wet							
Beryllium	BRL	0.400	mg/kg wet							
Chromium	BRL	1.00	mg/kg wet							
Barium	BRL	1.00	mg/kg wet							
LCS (5090717-BS1)				Prepared & Analyzed: 13-Sep-05						
Antimony	86.2	3.00	mg/kg wet	100		86.2	85-115			
Zinc	90.1	1.00	mg/kg wet	100		90.1	85-115			
Vanadium	85.1	1.00	mg/kg wet	100		85.1	85-115			
Thallium	86.5	3.00	mg/kg wet	100		86.5	85-115			
Selenium	88.0	3.00	mg/kg wet	100		88.0	85-115			
Nickel	91.6	1.00	mg/kg wet	100		91.6	85-115			
Silver	47.4	2.00	mg/kg wet	50.0		94.8	85-115			
Lead	89.2	1.50	mg/kg wet	100		89.2	85-115			
Beryllium	87.9	0.400	mg/kg wet	100		87.9	85-115			
Copper	90.1	1.00	mg/kg wet	100		90.1	85-115			
Chromium	91.5	1.00	mg/kg wet	100		91.5	85-115			
Arsenic	93.3	3.00	mg/kg wet	100		93.3	85-115			
Cadmium	88.2	0.500	mg/kg wet	100		88.2	85-115			
Barium	88.8	1.00	mg/kg wet	100		88.8	85-115			
Duplicate (5090717-DUP1)		**Source: SA33708-02**		Prepared & Analyzed: 13-Sep-05						
Vanadium	11.8	0.533	mg/kg dry		7.93			39.2	35	QR-05
Silver	BRL	1.07	mg/kg dry		BRL				35	
Antimony	BRL	1.60	mg/kg dry		BRL				35	
Nickel	10.4	0.533	mg/kg dry		6.65			44.0	35	QR-05
Thallium	BRL	1.60	mg/kg dry		BRL				35	
Zinc	39.5	0.533	mg/kg dry		56.2			34.9	35	
Selenium	BRL	1.60	mg/kg dry		BRL				35	
Beryllium	0.267	0.213	mg/kg dry		0.224			17.5	35	
Lead	21.7	0.800	mg/kg dry		20.0			8.15	35	
Copper	9.78	0.533	mg/kg dry		8.23			17.2	35	
Cadmium	BRL	0.267	mg/kg dry		BRL				35	
Arsenic	8.30	1.60	mg/kg dry		5.83			35.0	35	
Chromium	11.3	0.533	mg/kg dry		7.16			44.9	35	QR-05
Barium	40.7	0.533	mg/kg dry		26.6			41.9	35	QR-05
Duplicate (5090717-DUP2)		**Source: SA33892-01**		Prepared & Analyzed: 13-Sep-05						
Antimony	BRL	1.67	mg/kg dry		BRL				35	
Vanadium	17.8	0.557	mg/kg dry		11.8			40.5	35	QR-05
Selenium	BRL	1.67	mg/kg dry		1.24			30.4	35	
Thallium	BRL	1.67	mg/kg dry		BRL				35	
Nickel	13.7	0.557	mg/kg dry		17.7			25.5	35	
Silver	BRL	1.11	mg/kg dry		1.85				35	
Zinc	986	0.557	mg/kg dry		1020			3.39	35	
Lead	436	0.835	mg/kg dry		900			69.5	35	QR-05

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090717 - EPA 200 Series										
Duplicate (5090717-DUP2)	**Source: SA33892-01**			Prepared & Analyzed: 13-Sep-05						
Beryllium	0.328	0.223	mg/kg dry		0.263			22.0	35	
Copper	4240	0.557	mg/kg dry		14100			108	35	QR-05
Cadmium	BRL	0.278	mg/kg dry		BRL				35	
Arsenic	8.34	1.67	mg/kg dry		7.76			7.20	35	
Chromium	16.0	0.557	mg/kg dry		8.09			65.7	35	QR-05
Barium	60.1	0.557	mg/kg dry		42.6			34.1	35	
Matrix Spike (5090717-MS1)	**Source: SA33846-05**			Prepared & Analyzed: 13-Sep-05						
Zinc	215	0.540	mg/kg dry	54.0	186	53.7	70-130			QM-07
Vanadium	65.2	0.540	mg/kg dry	54.0	18.1	87.2	70-130			
Thallium	46.7	1.62	mg/kg dry	54.0	BRL	86.5	70-130			
Silver	22.5	1.08	mg/kg dry	27.0	BRL	83.3	70-130			
Nickel	56.6	0.540	mg/kg dry	54.0	8.25	89.5	70-130			
Antimony	38.4	1.62	mg/kg dry	54.0	BRL	71.1	70-130			
Selenium	44.0	1.62	mg/kg dry	54.0	BRL	81.5	70-130			
Chromium	56.9	0.540	mg/kg dry	54.0	7.47	91.5	70-130			
Lead	555	0.810	mg/kg dry	54.0	624	NR	70-130			QM-07
Copper	85.7	0.540	mg/kg dry	54.0	37.4	89.4	70-130			
Beryllium	49.3	0.216	mg/kg dry	54.0	0.395	90.6	70-130			
Cadmium	46.5	0.270	mg/kg dry	54.0	BRL	86.1	70-130			
Arsenic	49.4	1.62	mg/kg dry	54.0	1.98	87.8	70-130			
Barium	173	0.540	mg/kg dry	54.0	150	42.6	70-130			QM-07
Matrix Spike (5090717-MS2)	**Source: SA33942-01**			Prepared & Analyzed: 13-Sep-05						
Antimony	35.7	1.50	mg/kg dry	49.9	BRL	71.5	70-130			
Silver	20.5	0.999	mg/kg dry	25.0	BRL	82.0	70-130			
Zinc	59.5	0.499	mg/kg dry	49.9	14.6	90.0	70-130			
Vanadium	59.0	0.499	mg/kg dry	49.9	15.1	88.0	70-130			
Nickel	52.6	0.499	mg/kg dry	49.9	6.96	91.5	70-130			
Thallium	44.4	1.50	mg/kg dry	49.9	BRL	89.0	70-130			
Selenium	45.9	1.50	mg/kg dry	49.9	BRL	92.0	70-130			
Cadmium	42.9	0.250	mg/kg dry	49.9	BRL	86.0	70-130			
Chromium	52.8	0.499	mg/kg dry	49.9	8.39	89.0	70-130			
Copper	54.1	0.499	mg/kg dry	49.9	5.83	96.7	70-130			
Beryllium	45.5	0.200	mg/kg dry	49.9	0.260	90.7	70-130			
Lead	45.1	0.749	mg/kg dry	49.9	1.99	86.4	70-130			
Arsenic	44.4	1.50	mg/kg dry	49.9	BRL	89.0	70-130			
Barium	69.9	0.499	mg/kg dry	49.9	25.2	89.6	70-130			
Matrix Spike Dup (5090717-MSD1)	**Source: SA33846-05**			Prepared & Analyzed: 13-Sep-05						
Nickel	57.4	0.544	mg/kg dry	54.4	8.25	90.3	70-130	1.40	35	
Thallium	47.9	1.63	mg/kg dry	54.4	BRL	88.1	70-130	2.54	35	
Antimony	41.2	1.63	mg/kg dry	54.4	BRL	75.7	70-130	7.04	35	
Selenium	44.5	1.63	mg/kg dry	54.4	BRL	81.8	70-130	1.13	35	
Silver	22.9	1.09	mg/kg dry	27.2	BRL	84.2	70-130	1.76	35	
Vanadium	63.7	0.544	mg/kg dry	54.4	18.1	83.8	70-130	2.33	35	
Zinc	166	0.544	mg/kg dry	54.4	186	NR	70-130	25.7	35	QM-07
Arsenic	49.9	1.63	mg/kg dry	54.4	1.98	88.1	70-130	1.01	35	
Beryllium	49.2	0.218	mg/kg dry	54.4	0.395	89.7	70-130	0.203	35	
Cadmium	47.8	0.272	mg/kg dry	54.4	BRL	87.9	70-130	2.76	35	
Chromium	55.8	0.544	mg/kg dry	54.4	7.47	88.8	70-130	1.95	35	
Copper	89.2	0.544	mg/kg dry	54.4	37.4	95.2	70-130	4.00	35	
Lead	310	0.816	mg/kg dry	54.4	624	NR	70-130	56.6	35	QM-07
Barium	155	0.544	mg/kg dry	54.4	150	9.19	70-130	11.0	35	QM-0
Matrix Spike Dup (5090717-MSD2)	**Source: SA33942-01**			Prepared & Analyzed: 13-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090717 - EPA 200 Series										
Matrix Spike Dup (5090717-MSD2)		**Source: SA33942-01**		Prepared & Analyzed: 13-Sep-05						
Zinc	58.8	0.481	mg/kg dry	48.1	14.6	91.9	70-130	1.18	35	
Silver	20.9	0.962	mg/kg dry	24.1	BRL	86.7	70-130	1.93	35	
Nickel	52.6	0.481	mg/kg dry	48.1	6.96	94.9	70-130	0.00	35	
Selenium	42.2	1.44	mg/kg dry	48.1	BRL	87.7	70-130	8.40	35	
Thallium	45.2	1.44	mg/kg dry	48.1	BRL	94.0	70-130	1.79	35	
Vanadium	57.0	0.481	mg/kg dry	48.1	15.1	87.1	70-130	3.45	35	
Antimony	37.8	1.44	mg/kg dry	48.1	BRL	78.6	70-130	5.71	35	
Lead	45.9	0.722	mg/kg dry	48.1	1.99	91.3	70-130	1.76	35	
Cadmium	44.4	0.241	mg/kg dry	48.1	BRL	92.3	70-130	3.44	35	
Copper	52.9	0.481	mg/kg dry	48.1	5.83	97.9	70-130	2.24	35	
Chromium	52.7	0.481	mg/kg dry	48.1	8.39	92.1	70-130	0.190	35	
Beryllium	46.4	0.192	mg/kg dry	48.1	0.260	95.9	70-130	1.96	35	
Arsenic	45.2	1.44	mg/kg dry	48.1	BRL	94.0	70-130	1.79	35	
Barium	69.2	0.481	mg/kg dry	48.1	25.2	91.5	70-130	1.01	35	
Reference (5090717-SRM1)				Prepared & Analyzed: 13-Sep-05						
Vanadium	57.5	1.00	mg/kg wet	63.5		90.6	85-115			
Silver	23.0	2.00	mg/kg wet	26.0		88.5	85-115			
Selenium	110	3.00	mg/kg wet	113		97.3	85-115			
Nickel	43.8	1.00	mg/kg wet	51.1		85.7	85-115			
Thallium	48.0	3.00	mg/kg wet	53.8		89.2	85-115			
Zinc	565	1.00	mg/kg wet	640		88.3	85-115			
Arsenic	66.3	3.00	mg/kg wet	71.4		92.9	85-115			
Beryllium	2.49	0.400	mg/kg wet	2.43		102	85-115			
Cadmium	102	0.500	mg/kg wet	115		88.7	85-115			
Lead	116	1.50	mg/kg wet	127		91.3	85-115			
Copper	60.0	1.00	mg/kg wet	67.1		89.4	85-115			
Chromium	48.6	1.00	mg/kg wet	57.1		85.1	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091141 - SW846 1312										
Blank (5091141-BLK1)				Prepared & Analyzed: 17-Sep-05						
SPLP Extraction	Completed	N/A								
Blank (5091141-BLK2)				Prepared & Analyzed: 17-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5091161 - SW846 3010A										
Blank (5091161-BLK1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Lead	BRL	0.0038	mg/l							
Vanadium	BRL	0.0025	mg/l							
Beryllium	BRL	0.0010	mg/l							
Chromium	BRL	0.0025	mg/l							
LCS (5091161-BS1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Lead	0.459	0.0038	mg/l	0.500		91.8	85-115			
Vanadium	0.464	0.0025	mg/l	0.500		92.8	85-115			
Chromium	0.467	0.0025	mg/l	0.500		93.4	85-115			
Beryllium	0.442	0.0010	mg/l	0.500		88.4	85-115			
LCS Dup (5091161-BSD1)				Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Vanadium	0.468	0.0025	mg/l	0.500		93.6	85-115	0.858	20	
Lead	0.465	0.0038	mg/l	0.500		93.0	85-115	1.30	20	
Chromium	0.464	0.0025	mg/l	0.500		92.8	85-115	0.644	20	
Beryllium	0.448	0.0010	mg/l	0.500		89.6	85-115	1.35	20	
Duplicate (5091161-DUP1)		**Source: SA33846-03**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Vanadium	0.0250	0.0050	mg/l		0.0184			30.4	20	QR-05
Lead	BRL	0.0075	mg/l		BRL				20	
Beryllium	BRL	0.0020	mg/l		BRL				20	
Chromium	0.0056	0.0050	mg/l		0.0041			30.9	20	QR-05
Matrix Spike (5091161-MS1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Vanadium	0.874	0.0050	mg/l	1.00	0.0018	87.2	75-125			
Lead	0.900	0.0075	mg/l	1.00	0.0352	86.5	75-125			
Beryllium	0.842	0.0020	mg/l	1.00	BRL	84.2	75-125			
Chromium	0.873	0.0050	mg/l	1.00	BRL	87.3	75-125			
Matrix Spike Dup (5091161-MSD1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 26-Sep-05						
Vanadium	0.906	0.0050	mg/l	1.00	0.0018	90.4	75-125	3.60	20	
Lead	0.910	0.0075	mg/l	1.00	0.0352	87.5	75-125	1.10	20	
Chromium	0.888	0.0050	mg/l	1.00	BRL	88.8	75-125	1.70	20	
Beryllium	0.850	0.0020	mg/l	1.00	BRL	85.0	75-125	0.946	20	
Batch 5091162 - EPA200/SW7000 Series										
Blank (5091162-BLK1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00040	mg/l							
LCS (5091162-BS1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00205	0.00040	mg/l	0.00250		82.0	80-120			
Duplicate (5091162-DUP1)		**Source: SA33788-05**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00274	0.00040	mg/l		0.00345			22.9	35	
Duplicate (5091162-DUP2)		**Source: SA34053-06**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00040	mg/l		BRL				35	
Matrix Spike (5091162-MS1)		**Source: SA33846-05**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00256	0.00040	mg/l	0.00250	BRL	102	75-125			
Matrix Spike (5091162-MS2)		**Source: SA33788-01**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00209	0.00040	mg/l	0.00250	0.00050	63.6	75-125			QM-07

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091162 - EPA200/SW7000 Series									
Matrix Spike Dup (5091162-MSD1)		**Source: SA33846-05**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00262	0.00040 mg/l	0.00250	BRL	105	75-125	2.32	35	
Matrix Spike Dup (5091162-MSD2)		**Source: SA33788-01**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00199	0.00040 mg/l	0.00250	0.00050	59.6	75-125	4.90	35	QM-07
Batch 5091273 - EPA200/SW7000 Series									
Blank (5091273-BLK1)			Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Mercury	BRL	0.00040 mg/l							
LCS (5091273-BS1)			Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Mercury	0.00257	0.00020 mg/l	0.00250		103	80-120			
Duplicate (5091273-DUP1)		**Source: SA33846-01**	Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Mercury	0.00045	0.00040 mg/l		0.00048			6.45	35	
Matrix Spike (5091273-MS1)		**Source: SA33846-01**	Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Mercury	0.00247	0.00040 mg/l	0.00250	0.00048	79.6	75-125			
Matrix Spike Dup (5091273-MSD1)		**Source: SA33846-01**	Prepared: 20-Sep-05 Analyzed: 21-Sep-05						
Mercury	0.00256	0.00040 mg/l	0.00250	0.00048	83.2	75-125	3.58	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090800 - General Preparation									
Blank (5090800-BLK1)			Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5090800-BS1)			Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	29.8	1.00 mg/kg wet	30.0		99.3	90-110			
Matrix Spike (5090800-MS1)		**Source: SA33788-01**	Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	35.7	1.19 mg/kg dry	35.8	0.748	97.6	80-120			
Matrix Spike Dup (5090800-MSD1)		**Source: SA33788-01**	Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	34.0	1.20 mg/kg dry	36.0	0.748	92.4	80-120	4.88	200	
Reference (5090800-SRM1)			Prepared & Analyzed: 13-Sep-05						
Cyanide (total)	146	4.61 mg/kg wet	122		120	40-160			
Batch 5090806 - General Preparation									
Duplicate (5090806-DUP1)		**Source: SA33942-01**	Prepared & Analyzed: 13-Sep-05						
% Solids	99.7	%		99.6			0.100	20	

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-05	RPD out of acceptance range.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA33846-01 SA33846-02 SA33846-03 SA33846-04 SA33846-05 SA33846-06 SA33846-07 SA33846-08	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C SW846 9012A VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/27/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 3 535

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

WH5012796

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
W. Hartford, CT | Hartford, CT
P.O. No.: 06110 | RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets
Meriden, CT
State:
Sampler(s): JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MEOH 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards if applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH CT Method	VOCs 5035/8260	SVOCs 8270	PAHs Only 8270C	Total Cyanide 9012	PCBs 8082	Total RCRA 8 Metals	Total Cu, Ni, Zn	Total Sb, Be, Tl, Vn	VOCs 8260	
34035-01	JTP050912-146	9-12-05	8:50	G	S	8.9	3	2			X	X	X			X	X	X	X		
-02	JTP050912-149	↓	9:45	G	S	↓	↓	↓			X	X	X			X	X	X	X		ADDED
-03	JTP050912-152	↓	10:20	G	S	↓	↓	↓			X	X	X			X	X	X	X		ANALYSIS
-04	JTP050912-155	↓	12:05	G	W	2	2													X	pg. 2 see
-05	JTP050912-156	↓	15:00	G	W	2	2													X	attached

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4

Relinquished by:	Received by:	Date:	Time:
[signature] L.T. Rls III	CEE Fridge	9/12/05	1515
CEE Fridge RAS 9/13/05	[signature]	9/13/05	10:00
[signature]	[signature]	9/13/05	1524

AOC-1

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

SUPPLEMENTAL 9-19-05

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield — CEE, 100 Shield St., West Hartford, CT 06110
David Ringquist — CT DEP, 79 Elm St., Hartford, CT 06106
P.O. No.: 06110
RQN: 06106

Project No.: CEE Project #2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets State: Meriden, CT
Sampler(s): JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= MeOH 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		SPLP Cr VI	SPLP Pb	SPLP Hg	SPLP PAHs					
A	34035-01	JTP050912-146	9-12-05	8:50	G	S	8,9	3	2				X	X	X						
A	34035-02	JTP050912-149	↓	9:45	G	↓	↓	↓	↓				X	X		X					
A	34035-03	JTP050912-152	↓	10:20	G	↓	↓	↓	↓				X								

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:

AOC-1

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-[illegible]-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

SUPPLEMENTAL 9-19-05

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield
CEE
100 Shield St.
West Hartford, CT
P.O. No.: 06110

David Ringquist
CT DEP
79 Elm St.
Hartford, CT
RQN: 06106

Project No.: CEE Project #2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets State:
Sampler(s): Meriden, CT JTP and CEC

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Heat 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		SPLP Cr +Vs	SPLP Pb	SPLP Hg	SPLP PAHs				
A	34035-01	JTP050912-140	9-12-05	8:10	G	S	0,9	3	2				X	X	X					
A	34035-02	JTP050912-149	↓	9:45	G	↓	↓	↓	↓				X	X		X				
A	34035-03	JTP050912-152	↓	10:20	G	↓	↓	↓	↓				X							

☐ Fax results when available to ( )
☒ E-mail to mwinfield@cee.net
EDD Format .PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C

Relinquished by:	Received by:	Date:	Time:

ACC-1

P.1
SEP 19 '05 03:46PM 2039537407

Report Date:
27-Sep-05 15:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA34035-01	JTP050912-146	Soil	12-Sep-05 08:50	13-Sep-05 15:24
SA34035-02	JTP050912-149	Soil	12-Sep-05 09:45	13-Sep-05 15:24
SA34035-03	JTP050912-152	Soil	12-Sep-05 10:20	13-Sep-05 15:24
SA34035-04	JTP050912-155	Water	12-Sep-05 12:05	13-Sep-05 15:24
SA34035-05	JTP050912-156	Water	12-Sep-05 15:00	13-Sep-05 15:24

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 50 pages of analytical data plus Chain of Custody document(s).
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Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-146 SA34035-01	CEE Project #2005.045	Soil	12-Sep-05 08:50	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	13-Sep-05	13-Sep-05	5090816	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	82.0 µg/kg dry	1	SW846 8260B	14-Sep-05	14-Sep-05	5090865	tim	
107-13-1	Acrylonitrile	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	41.0 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	20.5 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	41.0 µg/kg dry	1	"	"	"	"	"	
-82-8	Isopropylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-146 SA34035-01	CEE Project #2005.045	Soil	12-Sep-05 08:50	13-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	4.1 µg/kg dry	1	SW846 8260B	14-Sep-05	14-Sep-05	5090865	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	41.0 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	41.0 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	8.2 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	4.1 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*79.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*119*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	32.2 mg/kg dry	1	+CT ETPH	15-Sep-05	16-Sep-05	5090939	KG	
68476-30-2	Fuel Oil #2	BRL	32.2 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	32.2 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	32.2 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	32.2 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	32.2 mg/kg dry	1	"	"	"	"	"	
	Unidentified	114	32.2 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	32.2 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	114	32.2 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	114	32.2 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*96.3*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-146 SA34035-01	CEE Project #2005.045	Soil	12-Sep-05 08:50	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	28.7 µg/kg dry	1	SW846 8082	14-Sep-05	15-Sep-05	5090836	SM	
11104-28-2	PCB 1221	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	28.7 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	363 µg/kg dry	1	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
208-96-8	Acenaphthylene	BRL	363 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	363 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	363 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	363 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	363 µg/kg dry	1	"	"	"	"	"	
2-87-5	Benzidine	BRL	363 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	751	363 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	889	363 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	664	363 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	378	363 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	794	363 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	363 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	363 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	363 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	363 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	363 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	363 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	363 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	363 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	363 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	363 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	782	363 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	363 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	363 µg/kg dry	1	"	"	"	"	"	
[illegible]-50-1	1,2-Dichlorobenzene	BRL	363 µg/kg dry	1	"	"	"	"	"	
[illegible]41-73-1	1,3-Dichlorobenzene	BRL	363 µg/kg dry	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-146 SA34035-01	CEE Project #2005.045	Soil	12-Sep-05 08:50	13-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
106-46-7	1,4-Dichlorobenzene	BRL	363 µg/kg dry	1	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
91-94-1	3,3'-Dichlorobenzidine	BRL	363 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	363 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	363 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	363 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	1,280	363 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	363 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	363 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	363 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	363 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	363 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	385	363 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	363 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	363 µg/kg dry	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	363 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	363 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	363 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	363 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1450 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	363 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1450 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	363 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	363 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	363 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1450 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	796	363 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	1,370	363 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	363 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	363 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	363 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*62.7*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*62.9*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62.4*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-146 SA34035-01	CEE Project #2005.045	Soil	12-Sep-05 08:50	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
4165-62-2	*Phenol-d5*	*54.0*	*15-110 %*		SW846 8270C	14-Sep-05	16-Sep-05	5090897		
1718-51-0	*Terphenyl-dl4*	*80.9*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*54.5*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	3.31	0.193 mg/kg dry	1	SW846 7471A	15-Sep-05	16-Sep-05	5090871	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	4.92	1.12 mg/kg dry	1	EPA 200.7	15-Sep-05	16-Sep-05	5090870	RE	
7440-38-2	Arsenic	4.42	1.69 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	101	0.562 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.410	0.225 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.281 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	12.7	0.562 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	214	0.562 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	11.5	0.562 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	205	0.843 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.69 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.69 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.69 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	25.3	0.562 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	188	0.562 mg/kg dry	1	"	"	"	"	"	
TCLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	21-Sep-05	21-Sep-05	5091441	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	23-Sep-05	27-Sep-05	5091478	CR	
7439-97-6	Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	24-Sep-05	5091479	YP	
7439-92-1	Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	27-Sep-05	5091478	CR	
7440-62-2	Vanadium	BRL	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	87.4	%	1	SM2540 G Mod.	14-Sep-05	15-Sep-05	5090901	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	13-Sep-05	13-Sep-05	5090816	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5035A Soil (low level)						VOC10
67-64-1	Acetone	BRL	72.3 µg/kg dry	1	SW846 8260B	14-Sep-05	14-Sep-05	5090865	tim	
107-13-1	Acrylonitrile	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
71-43-2	Benzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	36.2 µg/kg dry	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	18.1 µg/kg dry	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	36.2 µg/kg dry	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5035A Soil (low level)							VOC10
1634-04-4	Methyl tert-butyl ether	BRL	3.6 µg/kg dry	1	SW846 8260B	14-Sep-05	14-Sep-05	5090865	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	36.2 µg/kg dry	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	36.2 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
100-42-5	Styrene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	3.8	3.6 µg/kg dry	1	"	"	"	"	"	
108-88-3	Toluene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	7.2 µg/kg dry	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	3.6 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*93.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	33.2 mg/kg dry	1	+CT ETPH	15-Sep-05	16-Sep-05	5090939	KG	
68476-30-2	Fuel Oil #2	BRL	33.2 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	33.2 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	Calculated as	33.2 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	33.2 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	33.2 mg/kg dry	1	"	"	"	"	"	
	Unidentified	126	33.2 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	33.2 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	126	33.2 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	126	33.2 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*98.3*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	34.1 µg/kg dry	1	SW846 8082	14-Sep-05	15-Sep-05	5090836	SM	
11104-28-2	PCB 1221	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	34.1 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
	SPLP Extraction	Completed	N/A	1	SW846 1312	21-Sep-05	21-Sep-05	5091444	CB	
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	744 µg/kg dry	2	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
208-96-8	Acenaphthylene	BRL	744 µg/kg dry	2	"	"	"	"	"	
62-53-3	Aniline	BRL	744 µg/kg dry	2	"	"	"	"	"	
120-12-7	Anthracene	BRL	744 µg/kg dry	2	"	"	"	"	"	
1912-24-9	Atrazine	BRL	744 µg/kg dry	2	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	744 µg/kg dry	2	"	"	"	"	"	
92-87-5	Benzidine	BRL	744 µg/kg dry	2	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	1,000	744 µg/kg dry	2	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	1,070	744 µg/kg dry	2	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	848	744 µg/kg dry	2	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	744 µg/kg dry	2	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	1,140	744 µg/kg dry	2	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	744 µg/kg dry	2	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	744 µg/kg dry	2	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	744 µg/kg dry	2	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	744 µg/kg dry	2	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	744 µg/kg dry	2	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	744 µg/kg dry	2	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
86-74-8	Carbazole	BRL	744 µg/kg dry	2	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	744 µg/kg dry	2	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	744 µg/kg dry	2	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	744 µg/kg dry	2	"	"	"	"	"	
218-01-9	Chrysene	1,060	744 µg/kg dry	2	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	744 µg/kg dry	2	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	744 µg/kg dry	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	744 µg/kg dry	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
541-73-1	1,3-Dichlorobenzene	BRL	744 µg/kg dry	2	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
106-46-7	1,4-Dichlorobenzene	BRL	744 µg/kg dry	2	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL	744 µg/kg dry	2	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	744 µg/kg dry	2	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	744 µg/kg dry	2	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	744 µg/kg dry	2	"	"	"	"	"	
206-44-0	Fluoranthene	1,740	744 µg/kg dry	2	"	"	"	"	"	
86-73-7	Fluorene	BRL	744 µg/kg dry	2	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	744 µg/kg dry	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	744 µg/kg dry	2	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	744 µg/kg dry	2	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	744 µg/kg dry	2	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	744 µg/kg dry	2	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	744 µg/kg dry	2	"	"	"	"	"	
78-59-1	Isophorone	BRL	744 µg/kg dry	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	744 µg/kg dry	2	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
91-20-3	Naphthalene	BRL	744 µg/kg dry	2	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	744 µg/kg dry	2	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	744 µg/kg dry	2	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	2980 µg/kg dry	2	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	744 µg/kg dry	2	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	2980 µg/kg dry	2	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	744 µg/kg dry	2	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	744 µg/kg dry	2	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	744 µg/kg dry	2	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	2980 µg/kg dry	2	"	"	"	"	"	
85-01-8	Phenanthrene	755	744 µg/kg dry	2	"	"	"	"	"	
108-95-2	Phenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
129-00-0	Pyrene	1,990	744 µg/kg dry	2	"	"	"	"	"	
110-86-1	Pyridine	BRL	744 µg/kg dry	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	744 µg/kg dry	2	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	744 µg/kg dry	2	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*72.1*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*61.2*	*15-110 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
4165-60-0	*Nitrobenzene-d5*	*61.4*	*30-130 %*		SW846 8270C	14-Sep-05	16-Sep-05	5090897		
4165-62-2	*Phenol-d5*	*58.2*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96.0*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*59.8*	*15-110 %*		"	"	"	"	"	
SPLP PAHs by SW846 1312/8270C			Prepared by method		SW846 3535					
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	1312/8270C	21-Sep-05	22-Sep-05	5091357	"	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*72.5*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85.2*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	0.221	0.197 mg/kg dry	1	SW846 7471A	15-Sep-05	16-Sep-05	5090871	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	1.41	1.13 mg/kg dry	1	EPA 200.7	15-Sep-05	16-Sep-05	5090870	RE	
7440-38-2	Arsenic	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	90.8	0.567 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.493	0.227 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.283 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	14.1	0.567 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	53.4	0.567 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	11.7	0.567 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	83.6	0.850 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	30.3	0.567 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	82.1	0.567 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	21-Sep-05	21-Sep-05	5091441	CB	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-149 SA34035-02	CEE Project #2005.045	Soil	12-Sep-05 09:45	13-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	23-Sep-05	27-Sep-05	5091478	CR	
7439-92-1	Lead	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0064	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	87.2	%	1	SM2540 G Mod.	14-Sep-05	15-Sep-05	5090901	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-152 SA34035-03	CEE Project #2005.045	Soil	12-Sep-05 10:20	13-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	13-Sep-05	13-Sep-05	5090816	BD	
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
67-64-1	Acetone	BRL	8010 µg/kg dry	500	SW846 8260B	15-Sep-05	16-Sep-05	5090979	tim	
107-13-1	Acrylonitrile	BRL	400 µg/kg dry	500	"	"	"	"	"	
71-43-2	Benzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-25-2	Bromoform	BRL	400 µg/kg dry	500	"	"	"	"	"	
74-83-9	Bromomethane	BRL	801 µg/kg dry	500	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	4000 µg/kg dry	500	"	"	"	"	"	
104-51-8	n-Butylbenzene	400	400 µg/kg dry	500	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	2000 µg/kg dry	500	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	400 µg/kg dry	500	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-00-3	Chloroethane	BRL	801 µg/kg dry	500	"	"	"	"	"	
67-66-3	Chloroform	BRL	400 µg/kg dry	500	"	"	"	"	"	
74-87-3	Chloromethane	BRL	801 µg/kg dry	500	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	400 µg/kg dry	500	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	400 µg/kg dry	500	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	801 µg/kg dry	500	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	400 µg/kg dry	500	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	801 µg/kg dry	500	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	400 µg/kg dry	500	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	400 µg/kg dry	500	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	400 µg/kg dry	500	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	400 µg/kg dry	500	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	400 µg/kg dry	500	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	400 µg/kg dry	500	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	400 µg/kg dry	500	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	400 µg/kg dry	500	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	400 µg/kg dry	500	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	400 µg/kg dry	500	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	4000 µg/kg dry	500	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	400 µg/kg dry	500	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-152 SA34035-03	CEE Project #2005.045	Soil	12-Sep-05 10:20	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Soil (high level)							R-05
1634-04-4	Methyl tert-butyl ether	BRL	400 µg/kg dry	500	SW846 8260B	15-Sep-05	16-Sep-05	5090979	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	4000 µg/kg dry	500	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	4000 µg/kg dry	500	"	"	"	"	"	
91-20-3	Naphthalene	464	400 µg/kg dry	500	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
100-42-5	Styrene	BRL	400 µg/kg dry	500	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	400 µg/kg dry	500	"	"	"	"	"	
108-88-3	Toluene	BRL	400 µg/kg dry	500	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	400 µg/kg dry	500	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	400 µg/kg dry	500	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	400 µg/kg dry	500	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	400 µg/kg dry	500	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	400 µg/kg dry	500	"	"	"	"	"	
330-20-7	m,p-Xylene	BRL	801 µg/kg dry	500	"	"	"	"	"	
95-47-6	o-Xylene	BRL	400 µg/kg dry	500	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96.8*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3550B							
8006-61-9	Gasoline	BRL	37.2 mg/kg dry	1	+CT ETPH	15-Sep-05	16-Sep-05	5090939	KG	
68476-30-2	Fuel Oil #2	BRL	37.2 mg/kg dry	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	37.2 mg/kg dry	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	37.2 mg/kg dry	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	37.2 mg/kg dry	1	"	"	"	"	"	
J00100000	Aviation Fuel	Calculated as	37.2 mg/kg dry	1	"	"	"	"	"	
	Unidentified	2,030	37.2 mg/kg dry	1	"	"	"	"	"	
	Other Oil	BRL	37.2 mg/kg dry	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	2,030	37.2 mg/kg dry	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	2,030	37.2 mg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*83.0*	*40-140 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3550B							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-152 SA34035-03	CEE Project #2005.045	Soil	12-Sep-05 10:20	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method		SW846 3550B					
12674-11-2	PCB 1016	BRL	32.4 µg/kg dry	1	SW846 8082	14-Sep-05	15-Sep-05	5090836	SM	
11104-28-2	PCB 1221	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	32.4 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method		SW846 3545A					
83-32-9	Acenaphthene	BRL	368 µg/kg dry	1	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
208-96-8	Acenaphthylene	BRL	368 µg/kg dry	1	"	"	"	"	"	
62-53-3	Aniline	BRL	368 µg/kg dry	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	368 µg/kg dry	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	368 µg/kg dry	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	368 µg/kg dry	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	368 µg/kg dry	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	368 µg/kg dry	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	368 µg/kg dry	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	368 µg/kg dry	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	368 µg/kg dry	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	368 µg/kg dry	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	368 µg/kg dry	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	368 µg/kg dry	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	368 µg/kg dry	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	368 µg/kg dry	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	368 µg/kg dry	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	368 µg/kg dry	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	368 µg/kg dry	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	368 µg/kg dry	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	368 µg/kg dry	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	368 µg/kg dry	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	368 µg/kg dry	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	368 µg/kg dry	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	368 µg/kg dry	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	368 µg/kg dry	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	368 µg/kg dry	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-152	CEE Project	Soil	12-Sep-05 10:20	13-Sep-05
SA34035-03	#2005.045			

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
106-46-7	1,4-Dichlorobenzene	BRL	368 µg/kg dry	1	SW846 8270C	14-Sep-05	16-Sep-05	5090897		
91-94-1	3,3'-Dichlorobenzidine	BRL	368 µg/kg dry	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	368 µg/kg dry	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	368 µg/kg dry	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	368 µg/kg dry	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	368 µg/kg dry	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	368 µg/kg dry	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	368 µg/kg dry	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	368 µg/kg dry	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	368 µg/kg dry	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	368 µg/kg dry	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	368 µg/kg dry	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	829	368 µg/kg dry	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	368 µg/kg dry	1	"	"	"	"	"	
1-57-6	2-Methylnaphthalene	BRL	368 µg/kg dry	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	368 µg/kg dry	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	368 µg/kg dry	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	368 µg/kg dry	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	1470 µg/kg dry	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	368 µg/kg dry	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	1470 µg/kg dry	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	368 µg/kg dry	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	368 µg/kg dry	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	368 µg/kg dry	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	1470 µg/kg dry	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	368 µg/kg dry	1	"	"	"	"	"	
108-95-2	Phenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	368 µg/kg dry	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	368 µg/kg dry	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	368 µg/kg dry	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	368 µg/kg dry	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*70.9*	*30-130 %*		"	"	"	"	"	
7-12-4	*2-Fluorophenol*	*74.9*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*63.9*	*30-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-152 SA34035-03	CEE Project #2005.045	Soil	12-Sep-05 10:20	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3545A								
4165-62-2	*Phenol-d5*	*65.8*	*15-110 %*		SW846 8270C	14-Sep-05	16-Sep-05	5090897		
1718-51-0	*Terphenyl-dl4*	*93.8*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*57.1*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods										
7439-97-6	Mercury	BRL	0.188 mg/kg dry	1	SW846 7471A	15-Sep-05	16-Sep-05	5090871	YP	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	1.13 mg/kg dry	1	EPA 200.7	15-Sep-05	16-Sep-05	5090870	RE	
7440-38-2	Arsenic	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	45.6	0.567 mg/kg dry	1	"	"	"	"	"	
7440-41-7	Beryllium	0.641	0.227 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.284 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	20.3	0.567 mg/kg dry	1	"	"	"	"	"	
7440-50-8	Copper	21.0	0.567 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	14.2	0.567 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	2.02	0.851 mg/kg dry	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	1.70 mg/kg dry	1	"	"	"	"	"	
7440-62-2	Vanadium	45.5	0.567 mg/kg dry	1	"	"	"	"	"	
7440-66-6	Zinc	39.8	0.567 mg/kg dry	1	"	"	"	"	"	
SPLP Metals by EPA 1312 & 6000/7000 Series Methods										
	SPLP Extraction	Completed	N/A	1	SW846 1312	21-Sep-05	21-Sep-05	5091441	CB	
7440-47-3	Chromium	BRL	0.0050 mg/l	1	SW846 6010B	23-Sep-05	27-Sep-05	5091478	CR	
7440-62-2	Vanadium	0.0170	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	87.6	%	1	SM2540 G Mod.	14-Sep-05	15-Sep-05	5090901	BD	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-155 SA34035-04	CEE Project #2005.045	Water	12-Sep-05 12:05	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	15-Sep-05	16-Sep-05	5090994	krl	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	5.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-155 SA34035-04	CEE Project #2005.045	Water	12-Sep-05 12:05	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	15-Sep-05	16-Sep-05	5090994	krl	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	2.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*116*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-156 SA34035-05	CEE Project #2005.045	Water	12-Sep-05 15:00	13-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	15-Sep-05	16-Sep-05	5090994	krl	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	5.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]034-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050912-156 SA34035-05	CEE Project #2005.045	Water	12-Sep-05 15:00	13-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	15-Sep-05	16-Sep-05	5090994	krl	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	2.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*	*70-130 %*		"	"	"	"	"	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090865 - SW846 5035A Soil (low level)										
Blank (5090865-BLK1)				Prepared & Analyzed: 14-Sep-05						
Acetone	BRL	100	µg/kg wet							
Acrylonitrile	BRL	5.0	µg/kg wet							
Benzene	BRL	5.0	µg/kg wet							
Bromobenzene	BRL	5.0	µg/kg wet							
Bromochloromethane	BRL	5.0	µg/kg wet							
Bromodichloromethane	BRL	5.0	µg/kg wet							
Bromoform	BRL	5.0	µg/kg wet							
Bromomethane	BRL	10.0	µg/kg wet							
2-Butanone (MEK)	BRL	50.0	µg/kg wet							
n-Butylbenzene	BRL	5.0	µg/kg wet							
sec-Butylbenzene	BRL	5.0	µg/kg wet							
tert-Butylbenzene	BRL	5.0	µg/kg wet							
Carbon disulfide	BRL	25.0	µg/kg wet							
Carbon tetrachloride	BRL	5.0	µg/kg wet							
Chlorobenzene	BRL	5.0	µg/kg wet							
Chloroethane	BRL	10.0	µg/kg wet							
Chloroform	BRL	5.0	µg/kg wet							
Chloromethane	BRL	10.0	µg/kg wet							
2-Chlorotoluene	BRL	5.0	µg/kg wet							
4-Chlorotoluene	BRL	5.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0	µg/kg wet							
Dibromochloromethane	BRL	5.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0	µg/kg wet							
Dibromomethane	BRL	5.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	5.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	5.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0	µg/kg wet							
1,1-Dichloroethane	BRL	5.0	µg/kg wet							
1,2-Dichloroethane	BRL	5.0	µg/kg wet							
1,1-Dichloroethene	BRL	5.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	5.0	µg/kg wet							
1,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,3-Dichloropropane	BRL	5.0	µg/kg wet							
2,2-Dichloropropane	BRL	5.0	µg/kg wet							
1,1-Dichloropropene	BRL	5.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	5.0	µg/kg wet							
Ethylbenzene	BRL	5.0	µg/kg wet							
Hexachlorobutadiene	BRL	5.0	µg/kg wet							
2-Hexanone (MBK)	BRL	50.0	µg/kg wet							
Isopropylbenzene	BRL	5.0	µg/kg wet							
4-Isopropyltoluene	BRL	5.0	µg/kg wet							
Methyl tert-butyl ether	BRL	5.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0	µg/kg wet							
Methylene chloride	BRL	50.0	µg/kg wet							
Naphthalene	BRL	5.0	µg/kg wet							
n-Propylbenzene	BRL	5.0	µg/kg wet							
Styrene	BRL	5.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/kg wet							
etrachloroethene	BRL	5.0	µg/kg wet							
Toluene	BRL	5.0	µg/kg wet							

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090865 - SW846 5035A Soil (low level)										
Blank (5090865-BLK1)				Prepared & Analyzed: 14-Sep-05						
1,2,3-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0	µg/kg wet							
1,1,1-Trichloroethane	BRL	5.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	5.0	µg/kg wet							
Trichloroethene	BRL	5.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	5.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0	µg/kg wet							
Vinyl chloride	BRL	5.0	µg/kg wet							
m,p-Xylene	BRL	10.0	µg/kg wet							
o-Xylene	BRL	5.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*47.6*		µg/kg wet	*50.0*		*95.2*	*70-130*			
Surrogate: Toluene-d8	*50.0*		µg/kg wet	*50.0*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*61.9*		µg/kg wet	*50.0*		*124*	*70-130*			
Surrogate: Dibromofluoromethane	*57.6*		µg/kg wet	*50.0*		*115*	*70-130*			
LCS (5090865-BS1)				Prepared & Analyzed: 14-Sep-05						
Acetone	30.8		µg/kg wet	20.0		154	0.663-201			
Acrylonitrile	18.4		µg/kg wet	20.0		92.0	70-130			
Benzene	20.6		µg/kg wet	20.0		103	70-130			
Bromobenzene	22.5		µg/kg wet	20.0		112	70-130			
Bromochloromethane	21.0		µg/kg wet	20.0		105	70-130			
Bromodichloromethane	21.8		µg/kg wet	20.0		109	70-130			
Bromoform	19.8		µg/kg wet	20.0		99.0	70-130			
Bromomethane	24.4		µg/kg wet	20.0		122	54-151			
2-Butanone (MEK)	15.8		µg/kg wet	20.0		79.0	6.66-154			
n-Butylbenzene	23.9		µg/kg wet	20.0		120	70-130			
sec-Butylbenzene	24.2		µg/kg wet	20.0		121	70-130			
tert-Butylbenzene	22.8		µg/kg wet	20.0		114	70-130			
Carbon disulfide	22.5		µg/kg wet	20.0		112	70-130			
Carbon tetrachloride	22.2		µg/kg wet	20.0		111	70-130			
Chlorobenzene	22.1		µg/kg wet	20.0		110	70-130			
Chloroethane	24.7		µg/kg wet	20.0		124	64.5-148			
Chloroform	21.5		µg/kg wet	20.0		108	70-130			
Chloromethane	25.8		µg/kg wet	20.0		129	70-130			
2-Chlorotoluene	24.2		µg/kg wet	20.0		121	70-130			
4-Chlorotoluene	25.8		µg/kg wet	20.0		129	70-130			
1,2-Dibromo-3-chloropropane	19.5		µg/kg wet	20.0		97.5	70-130			
Dibromochloromethane	20.6		µg/kg wet	20.0		103	52-148			
1,2-Dibromoethane (EDB)	20.0		µg/kg wet	20.0		100	70-130			
Dibromomethane	20.8		µg/kg wet	20.0		104	70-130			
1,2-Dichlorobenzene	22.6		µg/kg wet	20.0		113	70-130			
1,3-Dichlorobenzene	26.3		µg/kg wet	20.0		132	70-130			QC-1
1,4-Dichlorobenzene	24.7		µg/kg wet	20.0		124	70-130			
Dichlorodifluoromethane (Freon12)	33.3		µg/kg wet	20.0		166	60.6-196			
1,1-Dichloroethane	21.5		µg/kg wet	20.0		108	70-130			
1,2-Dichloroethane	21.0		µg/kg wet	20.0		105	70-130			
1,1-Dichloroethene	21.6		µg/kg wet	20.0		108	70-130			
cis-1,2-Dichloroethene	21.9		µg/kg wet	20.0		110	70-130			
trans-1,2-Dichloroethene	20.7		µg/kg wet	20.0		104	70-130			
1,2-Dichloropropane	20.5		µg/kg wet	20.0		102	70-130			
1,3-Dichloropropane	20.6		µg/kg wet	20.0		103	70-130			
2,2-Dichloropropane	25.2		µg/kg wet	20.0		126	70-130			
1,1-Dichloropropene	20.8		µg/kg wet	20.0		104	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090865 - SW846 5035A Soil (low level)										
LCS (5090865-BS1)				Prepared & Analyzed: 14-Sep-05						
cis-1,3-Dichloropropene	20.7		µg/kg wet	20.0		104	70-130			
trans-1,3-Dichloropropene	20.5		µg/kg wet	20.0		102	70-130			
Ethylbenzene	21.9		µg/kg wet	20.0		110	70-130			
Hexachlorobutadiene	25.3		µg/kg wet	20.0		126	67-154			
2-Hexanone (MBK)	16.0		µg/kg wet	20.0		80.0	70-130			
Isopropylbenzene	21.6		µg/kg wet	20.0		108	70-130			
4-Isopropyltoluene	23.8		µg/kg wet	20.0		119	70-130			
Methyl tert-butyl ether	18.9		µg/kg wet	20.0		94.5	70-130			
4-Methyl-2-pentanone (MIBK)	15.5		µg/kg wet	20.0		77.5	38.8-135			
Methylene chloride	22.4		µg/kg wet	20.0		112	70-130			
Naphthalene	21.0		µg/kg wet	20.0		105	70-130			
n-Propylbenzene	23.8		µg/kg wet	20.0		119	70-130			
Styrene	21.4		µg/kg wet	20.0		107	70-130			
1,1,1,2-Tetrachloroethane	21.3		µg/kg wet	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130			
Tetrachloroethene	22.5		µg/kg wet	20.0		112	70-130			
Toluene	20.6		µg/kg wet	20.0		103	70-130			
1,2,3-Trichlorobenzene	26.9		µg/kg wet	20.0		134	70-130			QC-1
1,2,4-Trichlorobenzene	26.1		µg/kg wet	20.0		130	70-130			
1,1,1-Trichloroethane	22.3		µg/kg wet	20.0		112	70-130			
1,1,2-Trichloroethane	20.6		µg/kg wet	20.0		103	70-130			
Trichloroethene	21.5		µg/kg wet	20.0		108	70-130			
Trichlorofluoromethane (Freon 11)	26.5		µg/kg wet	20.0		132	66.7-150			
1,2,3-Trichloropropane	20.2		µg/kg wet	20.0		101	70-130			
1,2,4-Trimethylbenzene	24.2		µg/kg wet	20.0		121	70-130			
1,3,5-Trimethylbenzene	23.7		µg/kg wet	20.0		118	70-130			
Vinyl chloride	26.7		µg/kg wet	20.0		134	70-130			QC-1
m,p-Xylene	46.0		µg/kg wet	40.0		115	70-130			
o-Xylene	23.6		µg/kg wet	20.0		118	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*52.3*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*52.6*		µg/kg wet	*50.0*		*105*	*70-130*			
LCS Dup (5090865-BSD1)				Prepared & Analyzed: 14-Sep-05						
Acetone	27.9		µg/kg wet	20.0		140	0.663-201	9.52	50	
Acrylonitrile	19.5		µg/kg wet	20.0		97.5	70-130	5.80	25	
Benzene	20.1		µg/kg wet	20.0		100	70-130	2.96	25	
Bromobenzene	22.0		µg/kg wet	20.0		110	70-130	1.80	25	
Bromochloromethane	20.7		µg/kg wet	20.0		104	70-130	0.957	25	
Bromodichloromethane	21.4		µg/kg wet	20.0		107	70-130	1.85	25	
Bromoform	20.1		µg/kg wet	20.0		100	70-130	1.01	25	
Bromomethane	22.3		µg/kg wet	20.0		112	54-151	8.55	50	
2-Butanone (MEK)	15.8		µg/kg wet	20.0		79.0	6.66-154	0.00	50	
n-Butylbenzene	22.9		µg/kg wet	20.0		114	70-130	5.13	25	
sec-Butylbenzene	23.5		µg/kg wet	20.0		118	70-130	2.51	25	
tert-Butylbenzene	22.0		µg/kg wet	20.0		110	70-130	3.57	25	
Carbon disulfide	21.8		µg/kg wet	20.0		109	70-130	2.71	25	
Carbon tetrachloride	21.6		µg/kg wet	20.0		108	70-130	2.74	25	
Chlorobenzene	21.7		µg/kg wet	20.0		108	70-130	1.83	25	
Chloroethane	23.6		µg/kg wet	20.0		118	64.5-148	4.96	50	
Chloroform	21.1		µg/kg wet	20.0		106	70-130	1.87	25	
Chloromethane	24.5		µg/kg wet	20.0		122	70-130	5.58	25	
2-Chlorotoluene	23.9		µg/kg wet	20.0		120	70-130	0.830	25	
4-Chlorotoluene	25.0		µg/kg wet	20.0		125	70-130	3.15	25	

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Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090865 - SW846 5035A Soil (low level)										
LCS Dup (5090865-BSD1)				Prepared & Analyzed: 14-Sep-05						
1,2-Dibromo-3-chloropropane	20.0		µg/kg wet	20.0		100	70-130	2.53	25	
Dibromochloromethane	20.6		µg/kg wet	20.0		103	52-148	0.00	50	
1,2-Dibromoethane (EDB)	20.0		µg/kg wet	20.0		100	70-130	0.00	25	
Dibromomethane	20.8		µg/kg wet	20.0		104	70-130	0.00	25	
1,2-Dichlorobenzene	21.7		µg/kg wet	20.0		108	70-130	4.52	25	
1,3-Dichlorobenzene	26.0		µg/kg wet	20.0		130	70-130	1.53	25	
1,4-Dichlorobenzene	23.6		µg/kg wet	20.0		118	70-130	4.96	25	
Dichlorodifluoromethane (Freon12)	31.3		µg/kg wet	20.0		156	60.6-196	6.21	50	
1,1-Dichloroethane	21.0		µg/kg wet	20.0		105	70-130	2.82	25	
1,2-Dichloroethane	20.7		µg/kg wet	20.0		104	70-130	0.957	25	
1,1-Dichloroethene	20.6		µg/kg wet	20.0		103	70-130	4.74	25	
cis-1,2-Dichloroethene	21.1		µg/kg wet	20.0		106	70-130	3.70	25	
trans-1,2-Dichloroethene	19.8		µg/kg wet	20.0		99.0	70-130	4.93	25	
1,2-Dichloropropane	20.4		µg/kg wet	20.0		102	70-130	0.00	25	
1,3-Dichloropropane	20.7		µg/kg wet	20.0		104	70-130	0.966	25	
2,2-Dichloropropane	24.1		µg/kg wet	20.0		120	70-130	4.88	25	
1,1-Dichloropropene	20.3		µg/kg wet	20.0		102	70-130	1.94	25	
cis-1,3-Dichloropropene	20.7		µg/kg wet	20.0		104	70-130	0.00	25	
trans-1,3-Dichloropropene	20.4		µg/kg wet	20.0		102	70-130	0.00	25	
Ethylbenzene	21.1		µg/kg wet	20.0		106	70-130	3.70	25	
Hexachlorobutadiene	24.0		µg/kg wet	20.0		120	67-154	4.88	50	
2-Hexanone (MBK)	16.5		µg/kg wet	20.0		82.5	70-130	3.08	25	
Isopropylbenzene	20.8		µg/kg wet	20.0		104	70-130	3.77	25	
4-Isopropyltoluene	22.6		µg/kg wet	20.0		113	70-130	5.17	25	
Methyl tert-butyl ether	19.0		µg/kg wet	20.0		95.0	70-130	0.528	25	
4-Methyl-2-pentanone (MIBK)	15.5		µg/kg wet	20.0		77.5	38.8-135	0.00	50	
Methylene chloride	22.4		µg/kg wet	20.0		112	70-130	0.00	25	
Naphthalene	20.2		µg/kg wet	20.0		101	70-130	3.88	25	
n-Propylbenzene	22.6		µg/kg wet	20.0		113	70-130	5.17	25	
Styrene	20.9		µg/kg wet	20.0		104	70-130	2.84	25	
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet	20.0		104	70-130	1.90	25	
1,1,2,2-Tetrachloroethane	21.0		µg/kg wet	20.0		105	70-130	0.957	25	
Tetrachloroethene	22.2		µg/kg wet	20.0		111	70-130	0.897	25	
Toluene	20.0		µg/kg wet	20.0		100	70-130	2.96	25	
1,2,3-Trichlorobenzene	25.5		µg/kg wet	20.0		128	70-130	4.58	25	
1,2,4-Trichlorobenzene	25.0		µg/kg wet	20.0		125	70-130	3.92	25	
1,1,1-Trichloroethane	21.4		µg/kg wet	20.0		107	70-130	4.57	25	
1,1,2-Trichloroethane	21.1		µg/kg wet	20.0		106	70-130	2.87	25	
Trichloroethene	20.9		µg/kg wet	20.0		104	70-130	3.77	25	
Trichlorofluoromethane (Freon 11)	25.2		µg/kg wet	20.0		126	66.7-150	4.65	50	
1,2,3-Trichloropropane	20.2		µg/kg wet	20.0		101	70-130	0.00	25	
1,2,4-Trimethylbenzene	23.4		µg/kg wet	20.0		117	70-130	3.36	25	
1,3,5-Trimethylbenzene	22.8		µg/kg wet	20.0		114	70-130	3.45	25	
Vinyl chloride	24.8		µg/kg wet	20.0		124	70-130	7.75	25	
m,p-Xylene	44.2		µg/kg wet	40.0		110	70-130	4.44	25	
o-Xylene	22.8		µg/kg wet	20.0		114	70-130	3.45	25	
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/kg wet	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.2*		µg/kg wet	*50.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*53.1*		µg/kg wet	*50.0*		*106*	*70-130*			
Batch 5090979 - SW846 5030 Soil (high level)										
Blank (5090979-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Acetone	BRL	20.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090979 - SW846 5030 Soil (high level)										
Blank (5090979-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Acrylonitrile	BRL	1.0	µg/kg wet							
Benzene	BRL	1.0	µg/kg wet							
Bromobenzene	BRL	1.0	µg/kg wet							
Bromochloromethane	BRL	1.0	µg/kg wet							
Bromodichloromethane	BRL	1.0	µg/kg wet							
Bromoform	BRL	1.0	µg/kg wet							
Bromomethane	BRL	2.0	µg/kg wet							
2-Butanone (MEK)	BRL	10.0	µg/kg wet							
n-Butylbenzene	BRL	1.0	µg/kg wet							
sec-Butylbenzene	BRL	1.0	µg/kg wet							
tert-Butylbenzene	BRL	1.0	µg/kg wet							
Carbon disulfide	BRL	5.0	µg/kg wet							
Carbon tetrachloride	BRL	1.0	µg/kg wet							
Chlorobenzene	BRL	1.0	µg/kg wet							
Chloroethane	BRL	2.0	µg/kg wet							
Chloroform	BRL	1.0	µg/kg wet							
Chloromethane	BRL	2.0	µg/kg wet							
2-Chlorotoluene	BRL	1.0	µg/kg wet							
4-Chlorotoluene	BRL	1.0	µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/kg wet							
Dibromochloromethane	BRL	1.0	µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/kg wet							
Dibromomethane	BRL	1.0	µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0	µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0	µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/kg wet							
1,1-Dichloroethane	BRL	1.0	µg/kg wet							
1,2-Dichloroethane	BRL	1.0	µg/kg wet							
1,1-Dichloroethene	BRL	1.0	µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0	µg/kg wet							
1,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,3-Dichloropropane	BRL	1.0	µg/kg wet							
2,2-Dichloropropane	BRL	1.0	µg/kg wet							
1,1-Dichloropropene	BRL	1.0	µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0	µg/kg wet							
Ethylbenzene	BRL	1.0	µg/kg wet							
Hexachlorobutadiene	BRL	1.0	µg/kg wet							
2-Hexanone (MBK)	BRL	10.0	µg/kg wet							
Isopropylbenzene	BRL	1.0	µg/kg wet							
4-Isopropyltoluene	BRL	1.0	µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/kg wet							
Methylene chloride	BRL	10.0	µg/kg wet							
Naphthalene	BRL	1.0	µg/kg wet							
n-Propylbenzene	BRL	1.0	µg/kg wet							
Styrene	BRL	1.0	µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/kg wet							
Tetrachloroethene	BRL	1.0	µg/kg wet							
Toluene	BRL	1.0	µg/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0	µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090979 - SW846 5030 Soil (high level)										
Blank (5090979-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
1,1,1-Trichloroethane	BRL	1.0	µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0	µg/kg wet							
Trichloroethene	BRL	1.0	µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0	µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0	µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0	µg/kg wet							
Vinyl chloride	BRL	1.0	µg/kg wet							
m,p-Xylene	BRL	2.0	µg/kg wet							
o-Xylene	BRL	1.0	µg/kg wet							
Surrogate: 4-Bromofluorobenzene	*48.8*		µg/kg wet	*50.0*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/kg wet	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.0*		µg/kg wet	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*56.0*		µg/kg wet	*50.0*		*112*	*70-130*			
LCS (5090979-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Acetone	8.7		µg/kg wet	20.0		43.5	19.4-217			
Acrylonitrile	19.8		µg/kg wet	20.0		99.0	70-130			
Benzene	20.5		µg/kg wet	20.0		102	70-130			
Bromobenzene	21.0		µg/kg wet	20.0		105	70-130			
Bromochloromethane	21.2		µg/kg wet	20.0		106	70-130			
Bromodichloromethane	21.9		µg/kg wet	20.0		110	70-130			
Bromoform	20.4		µg/kg wet	20.0		102	70-130			
Bromomethane	28.3		µg/kg wet	20.0		142	48.6-171			
2-Butanone (MEK)	10.8		µg/kg wet	20.0		54.0	16.5-153			
n-Butylbenzene	18.2		µg/kg wet	20.0		91.0	70-130			
sec-Butylbenzene	21.2		µg/kg wet	20.0		106	70-130			
tert-Butylbenzene	20.9		µg/kg wet	20.0		104	70-130			
Carbon disulfide	22.9		µg/kg wet	20.0		114	70-130			
Carbon tetrachloride	22.2		µg/kg wet	20.0		111	70-130			
Chlorobenzene	20.7		µg/kg wet	20.0		104	70-130			
Chloroethane	24.6		µg/kg wet	20.0		123	68.8-140			
Chloroform	20.4		µg/kg wet	20.0		102	70-130			
Chloromethane	23.6		µg/kg wet	20.0		118	70-130			
2-Chlorotoluene	21.8		µg/kg wet	20.0		109	70-130			
4-Chlorotoluene	21.6		µg/kg wet	20.0		108	70-130			
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet	20.0		102	70-130			
Dibromochloromethane	20.8		µg/kg wet	20.0		104	53.9-173			
1,2-Dibromoethane (EDB)	20.2		µg/kg wet	20.0		101	70-130			
Dibromomethane	21.2		µg/kg wet	20.0		106	70-130			
1,2-Dichlorobenzene	20.7		µg/kg wet	20.0		104	70-130			
1,3-Dichlorobenzene	21.9		µg/kg wet	20.0		110	70-130			
1,4-Dichlorobenzene	20.8		µg/kg wet	20.0		104	70-130			
Dichlorodifluoromethane (Freon12)	33.2		µg/kg wet	20.0		166	59.6-150			QC-1
1,1-Dichloroethane	21.9		µg/kg wet	20.0		110	70-130			
1,2-Dichloroethane	21.7		µg/kg wet	20.0		108	70-130			
1,1-Dichloroethene	21.6		µg/kg wet	20.0		108	70-130			
cis-1,2-Dichloroethene	21.5		µg/kg wet	20.0		108	70-130			
trans-1,2-Dichloroethene	20.4		µg/kg wet	20.0		102	70-130			
1,2-Dichloropropane	20.5		µg/kg wet	20.0		102	70-130			
1,3-Dichloropropane	21.1		µg/kg wet	20.0		106	70-130			
2,2-Dichloropropane	16.2		µg/kg wet	20.0		81.0	70-130			
1,1-Dichloropropene	20.2		µg/kg wet	20.0		101	70-130			
cis-1,3-Dichloropropene	18.2		µg/kg wet	20.0		91.0	70-130			
trans-1,3-Dichloropropene	18.4		µg/kg wet	20.0		92.0	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090979 - SW846 5030 Soil (high level)										
LCS (5090979-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Ethylbenzene	20.3		µg/kg wet	20.0		102	70-130			
Hexachlorobutadiene	21.6		µg/kg wet	20.0		108	67.9-157			
2-Hexanone (MBK)	11.8		µg/kg wet	20.0		59.0	70-130			QC-2
Isopropylbenzene	19.8		µg/kg wet	20.0		99.0	70-130			
4-Isopropyltoluene	20.1		µg/kg wet	20.0		100	70-130			
Methyl tert-butyl ether	18.9		µg/kg wet	20.0		94.5	70-130			
4-Methyl-2-pentanone (MIBK)	15.8		µg/kg wet	20.0		79.0	43.9-154			
Methylene chloride	21.9		µg/kg wet	20.0		110	70-130			
Naphthalene	19.4		µg/kg wet	20.0		97.0	70-130			
n-Propylbenzene	20.4		µg/kg wet	20.0		102	70-130			
Styrene	19.5		µg/kg wet	20.0		97.5	70-130			
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet	20.0		105	70-130			
1,1,2,2-Tetrachloroethane	20.9		µg/kg wet	20.0		104	70-130			
Tetrachloroethene	20.5		µg/kg wet	20.0		102	70-130			
Toluene	20.1		µg/kg wet	20.0		100	70-130			
1,2,3-Trichlorobenzene	19.9		µg/kg wet	20.0		99.5	70-130			
1,2,4-Trichlorobenzene	18.7		µg/kg wet	20.0		93.5	70-130			
1,1,1-Trichloroethane	22.0		µg/kg wet	20.0		110	70-130			
1,1,2-Trichloroethane	21.2		µg/kg wet	20.0		106	70-130			
Trichloroethene	20.3		µg/kg wet	20.0		102	70-130			
Trichlorofluoromethane (Freon 11)	27.9		µg/kg wet	20.0		140	70-138			QC-1
1,2,3-Trichloropropane	20.8		µg/kg wet	20.0		104	70-130			
1,2,4-Trimethylbenzene	20.7		µg/kg wet	20.0		104	70-130			
1,3,5-Trimethylbenzene	20.5		µg/kg wet	20.0		102	70-130			
Vinyl chloride	27.6		µg/kg wet	20.0		138	70-130			QC-1
m,p-Xylene	41.5		µg/kg wet	40.0		104	70-130			
o-Xylene	21.4		µg/kg wet	20.0		107	70-130			
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/kg wet	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*48.9*		µg/kg wet	*50.0*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.4*		µg/kg wet	*50.0*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*54.1*		µg/kg wet	*50.0*		*108*	*70-130*			
LCS Dup (5090979-BSD1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Acetone	8.4		µg/kg wet	20.0		42.0	19.4-217	3.51	50	
Acrylonitrile	18.9		µg/kg wet	20.0		94.5	70-130	4.65	25	
Benzene	19.3		µg/kg wet	20.0		96.5	70-130	5.54	25	
Bromobenzene	19.9		µg/kg wet	20.0		99.5	70-130	5.38	25	
Bromochloromethane	20.4		µg/kg wet	20.0		102	70-130	3.85	25	
Bromodichloromethane	21.3		µg/kg wet	20.0		106	70-130	3.70	25	
Bromoform	19.7		µg/kg wet	20.0		98.5	70-130	3.49	25	
Bromomethane	25.9		µg/kg wet	20.0		130	48.6-171	8.82	50	
2-Butanone (MEK)	10.5		µg/kg wet	20.0		52.5	16.5-153	2.82	50	
n-Butylbenzene	16.7		µg/kg wet	20.0		83.5	70-130	8.60	25	
sec-Butylbenzene	19.6		µg/kg wet	20.0		98.0	70-130	7.84	25	
tert-Butylbenzene	19.4		µg/kg wet	20.0		97.0	70-130	6.97	25	
Carbon disulfide	20.8		µg/kg wet	20.0		104	70-130	9.17	25	
Carbon tetrachloride	20.8		µg/kg wet	20.0		104	70-130	6.51	25	
Chlorobenzene	19.7		µg/kg wet	20.0		98.5	70-130	5.43	25	
Chloroethane	23.1		µg/kg wet	20.0		116	68.8-140	5.86	50	
Chloroform	19.4		µg/kg wet	20.0		97.0	70-130	5.03	25	
Chloromethane	21.9		µg/kg wet	20.0		110	70-130	7.02	25	
2-Chlorotoluene	20.3		µg/kg wet	20.0		102	70-130	6.64	25	
4-Chlorotoluene	20.4		µg/kg wet	20.0		102	70-130	5.71	25	
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet	20.0		97.0	70-130	5.03	25	
Dibromochloromethane	20.2		µg/kg wet	20.0		101	53.9-173	2.93	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090979 - SW846 5030 Soil (high level)										
LCS Dup (5090979-BSD1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
1,2-Dibromoethane (EDB)	19.6		µg/kg wet	20.0		98.0	70-130	3.02	25	
Dibromomethane	20.8		µg/kg wet	20.0		104	70-130	1.90	25	
1,2-Dichlorobenzene	19.5		µg/kg wet	20.0		97.5	70-130	6.45	25	
1,3-Dichlorobenzene	20.5		µg/kg wet	20.0		102	70-130	7.55	25	
1,4-Dichlorobenzene	19.7		µg/kg wet	20.0		98.5	70-130	5.43	25	
Dichlorodifluoromethane (Freon12)	29.9		µg/kg wet	20.0		150	59.6-150	10.1	50	
1,1-Dichloroethane	20.6		µg/kg wet	20.0		103	70-130	6.57	25	
1,2-Dichloroethane	21.3		µg/kg wet	20.0		106	70-130	1.87	25	
1,1-Dichloroethene	19.9		µg/kg wet	20.0		99.5	70-130	8.19	25	
cis-1,2-Dichloroethene	20.4		µg/kg wet	20.0		102	70-130	5.71	25	
trans-1,2-Dichloroethene	19.2		µg/kg wet	20.0		96.0	70-130	6.06	25	
1,2-Dichloropropane	20.0		µg/kg wet	20.0		100	70-130	1.98	25	
1,3-Dichloropropane	20.5		µg/kg wet	20.0		102	70-130	3.85	25	
2,2-Dichloropropane	15.0		µg/kg wet	20.0		75.0	70-130	7.69	25	
1,1-Dichloropropene	18.8		µg/kg wet	20.0		94.0	70-130	7.18	25	
cis-1,3-Dichloropropene	17.4		µg/kg wet	20.0		87.0	70-130	4.49	25	
trans-1,3-Dichloropropene	17.7		µg/kg wet	20.0		88.5	70-130	3.88	25	
Ethylbenzene	19.0		µg/kg wet	20.0		95.0	70-130	7.11	25	
Hexachlorobutadiene	19.3		µg/kg wet	20.0		96.5	67.9-157	11.2	50	
2-Hexanone (MBK)	11.4		µg/kg wet	20.0		57.0	70-130	3.45	25	QC-2
Isopropylbenzene	18.5		µg/kg wet	20.0		92.5	70-130	6.79	25	
4-Isopropyltoluene	18.5		µg/kg wet	20.0		92.5	70-130	7.79	25	
Methyl tert-butyl ether	18.3		µg/kg wet	20.0		91.5	70-130	3.23	25	
4-Methyl-2-pentanone (MIBK)	15.4		µg/kg wet	20.0		77.0	43.9-154	2.56	50	
Methylene chloride	21.1		µg/kg wet	20.0		106	70-130	3.70	25	
Naphthalene	17.7		µg/kg wet	20.0		88.5	70-130	9.16	25	
n-Propylbenzene	18.8		µg/kg wet	20.0		94.0	70-130	8.16	25	
Styrene	18.4		µg/kg wet	20.0		92.0	70-130	5.80	25	
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet	20.0		102	70-130	2.90	25	
1,1,2,2-Tetrachloroethane	20.3		µg/kg wet	20.0		102	70-130	1.94	25	
Tetrachloroethene	18.9		µg/kg wet	20.0		94.5	70-130	7.63	25	
Toluene	18.7		µg/kg wet	20.0		93.5	70-130	6.72	25	
1,2,3-Trichlorobenzene	18.4		µg/kg wet	20.0		92.0	70-130	7.83	25	
1,2,4-Trichlorobenzene	17.4		µg/kg wet	20.0		87.0	70-130	7.20	25	
1,1,1-Trichloroethane	20.5		µg/kg wet	20.0		102	70-130	7.55	25	
1,1,2-Trichloroethane	20.6		µg/kg wet	20.0		103	70-130	2.87	25	
Trichloroethene	19.1		µg/kg wet	20.0		95.5	70-130	6.58	25	
Trichlorofluoromethane (Freon 11)	25.2		µg/kg wet	20.0		126	70-138	10.5	50	
1,2,3-Trichloropropane	20.2		µg/kg wet	20.0		101	70-130	2.93	25	
1,2,4-Trimethylbenzene	19.3		µg/kg wet	20.0		96.5	70-130	7.48	25	
1,3,5-Trimethylbenzene	19.2		µg/kg wet	20.0		96.0	70-130	6.06	25	
Vinyl chloride	25.4		µg/kg wet	20.0		127	70-130	8.30	25	
m,p-Xylene	38.9		µg/kg wet	40.0		97.2	70-130	6.76	25	
o-Xylene	20.2		µg/kg wet	20.0		101	70-130	5.77	25	
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg wet	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.0*		µg/kg wet	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.5*		µg/kg wet	*50.0*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*53.9*		µg/kg wet	*50.0*		*108*	*70-130*			
Matrix Spike (5090979-MS1)		**Source: SA33890-04**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Benzene	19.2		µg/kg dry	20.0	BRL	96.0	70-130			
Chlorobenzene	20.7		µg/kg dry	20.0	BRL	104	70-130			
1,1-Dichloroethene	22.4		µg/kg dry	20.0	BRL	112	70-130			
Toluene	20.2		µg/kg dry	20.0	BRL	101	70-130			
Trichloroethene	20.1		µg/kg dry	20.0	BRL	100	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090979 - SW846 5030 Soil (high level)										
Matrix Spike (5090979-MS1)		**Source: SA33890-04**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Surrogate: 4-Bromofluorobenzene	*50.7*		µg/kg dry	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/kg dry	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.3*		µg/kg dry	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*54.5*		µg/kg dry	*50.0*		*109*	*70-130*			
Matrix Spike Dup (5090979-MSD1)		**Source: SA33890-04**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Benzene	19.3		µg/kg dry	20.0	BRL	96.5	70-130	0.519	30	
Chlorobenzene	20.4		µg/kg dry	20.0	BRL	102	70-130	1.94	30	
1,1-Dichloroethene	22.1		µg/kg dry	20.0	BRL	110	70-130	1.80	30	
Toluene	20.2		µg/kg dry	20.0	BRL	101	70-130	0.00	30	
Trichloroethene	20.1		µg/kg dry	20.0	BRL	100	70-130	0.00	30	
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/kg dry	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*49.9*		µg/kg dry	*50.0*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/kg dry	*50.0*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*56.0*		µg/kg dry	*50.0*		*112*	*70-130*			
Batch 5090994 - Volatiles										
Blank (5090994-BLK1)				Prepared & Analyzed: 15-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	5.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090994 - Volatiles										
Blank (5090994-BLK1)				Prepared & Analyzed: 15-Sep-05						
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	2.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/l	*30.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*33.5*		µg/l	*30.0*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/l	*30.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*29.4*		µg/l	*30.0*		*98.0*	*70-130*			
LCS (5090994-BS1)				Prepared & Analyzed: 15-Sep-05						
Acetone	16.6		µg/l	20.0		83.0	20.7-193			
Acrylonitrile	22.0		µg/l	20.0		110	70-130			
Benzene	20.8		µg/l	20.0		104	70-130			
Bromobenzene	21.7		µg/l	20.0		108	70-130			
Bromochloromethane	18.8		µg/l	20.0		94.0	70-130			
Bromodichloromethane	24.1		µg/l	20.0		120	70-130			
Bromoform	21.9		µg/l	20.0		110	70-130			
Bromomethane	26.6		µg/l	20.0		133	57.7-151			
2-Butanone (MEK)	16.6		µg/l	20.0		83.0	24-153			
n-Butylbenzene	20.9		µg/l	20.0		104	70-130			
sec-Butylbenzene	23.1		µg/l	20.0		116	70-130			
tert-Butylbenzene	22.9		µg/l	20.0		114	70-130			
Carbon disulfide	18.9		µg/l	20.0		94.5	70-130			
Carbon tetrachloride	19.9		µg/l	20.0		99.5	70-130			
Chlorobenzene	21.1		µg/l	20.0		106	70-130			
Chloroethane	20.2		µg/l	20.0		101	70-134			
Chloroform	18.0		µg/l	20.0		90.0	70-130			
Chloromethane	23.9		µg/l	20.0		120	70-130			
2-Chlorotoluene	21.3		µg/l	20.0		106	70-130			
4-Chlorotoluene	22.0		µg/l	20.0		110	70-130			
1,2-Dibromo-3-chloropropane	22.4		µg/l	20.0		112	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090994 - Volatiles										
LCS (5090994-BS1)				Prepared & Analyzed: 15-Sep-05						
Dibromochloromethane	24.2		µg/l	20.0		121	65.3-149			
1,2-Dibromoethane (EDB)	24.7		µg/l	20.0		124	70-130			
Dibromomethane	24.0		µg/l	20.0		120	70-130			
1,2-Dichlorobenzene	21.8		µg/l	20.0		109	70-130			
1,3-Dichlorobenzene	23.2		µg/l	20.0		116	70-130			
1,4-Dichlorobenzene	20.9		µg/l	20.0		104	70-130			
Dichlorodifluoromethane (Freon12)	36.9		µg/l	20.0		184	57.2-156			QC-2
1,1-Dichloroethane	19.2		µg/l	20.0		96.0	70-130			
1,2-Dichloroethane	18.8		µg/l	20.0		94.0	70-130			
1,1-Dichloroethene	19.7		µg/l	20.0		98.5	70-130			
cis-1,2-Dichloroethene	21.6		µg/l	20.0		108	70-130			
trans-1,2-Dichloroethene	18.7		µg/l	20.0		93.5	70-130			
1,2-Dichloropropane	23.0		µg/l	20.0		115	70-130			
1,3-Dichloropropane	24.5		µg/l	20.0		122	70-130			
2,2-Dichloropropane	17.2		µg/l	20.0		86.0	70-130			
1,1-Dichloropropene	19.4		µg/l	20.0		97.0	70-130			
cis-1,3-Dichloropropene	23.4		µg/l	20.0		117	70-130			
trans-1,3-Dichloropropene	22.7		µg/l	20.0		114	70-130			
Ethylbenzene	21.1		µg/l	20.0		106	70-130			
Hexachlorobutadiene	19.1		µg/l	20.0		95.5	70-145			
2-Hexanone (MBK)	17.9		µg/l	20.0		89.5	70-130			
Isopropylbenzene	20.0		µg/l	20.0		100	70-130			
4-Isopropyltoluene	23.2		µg/l	20.0		116	70-130			
Methyl tert-butyl ether	21.6		µg/l	20.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	21.8		µg/l	20.0		109	51.9-135			
Methylene chloride	20.6		µg/l	20.0		103	70-130			
Naphthalene	19.8		µg/l	20.0		99.0	70-130			
n-Propylbenzene	21.4		µg/l	20.0		107	70-130			
Styrene	21.9		µg/l	20.0		110	70-130			
1,1,1,2-Tetrachloroethane	21.0		µg/l	20.0		105	70-130			
1,1,2,2-Tetrachloroethane	19.4		µg/l	20.0		97.0	70-130			
Tetrachloroethene	22.7		µg/l	20.0		114	70-130			
Toluene	23.5		µg/l	20.0		118	70-130			
1,2,3-Trichlorobenzene	18.4		µg/l	20.0		92.0	70-130			
1,2,4-Trichlorobenzene	18.7		µg/l	20.0		93.5	70-130			
1,1,1-Trichloroethane	19.0		µg/l	20.0		95.0	70-130			
1,1,2-Trichloroethane	25.0		µg/l	20.0		125	70-130			
Trichloroethene	25.8		µg/l	20.0		129	70-130			
Trichlorofluoromethane (Freon 11)	20.6		µg/l	20.0		103	68.2-143			
1,2,3-Trichloropropane	21.5		µg/l	20.0		108	70-130			
1,2,4-Trimethylbenzene	22.0		µg/l	20.0		110	70-130			
1,3,5-Trimethylbenzene	21.5		µg/l	20.0		108	70-130			
Vinyl chloride	21.7		µg/l	20.0		108	70-130			
m,p-Xylene	44.4		µg/l	40.0		111	70-130			
o-Xylene	23.5		µg/l	20.0		118	70-130			
Surrogate: 4-Bromofluorobenzene	*31.4*		µg/l	*30.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*34.0*		µg/l	*30.0*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/l	*30.0*		*92.7*	*70-130*			
Surrogate: Dibromofluoromethane	*26.6*		µg/l	*30.0*		*88.7*	*70-130*			
LCS Dup (5090994-BSD1)				Prepared & Analyzed: 15-Sep-05						
Acetone	12.9		µg/l	20.0		64.5	20.7-193	25.1	50	
Acrylonitrile	26.4		µg/l	20.0		132	70-130	18.2	25	QC-1
Benzene	19.9		µg/l	20.0		99.5	70-130	4.42	25	
Bromobenzene	22.0		µg/l	20.0		110	70-130	1.83	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090994 - Volatiles										
LCS Dup (5090994-BSD1)				Prepared & Analyzed: 15-Sep-05						
Bromochloromethane	18.7		µg/l	20.0		93.5	70-130	0.533	25	
Bromodichloromethane	23.8		µg/l	20.0		119	70-130	0.837	25	
Bromoform	21.9		µg/l	20.0		110	70-130	0.00	25	
Bromomethane	29.3		µg/l	20.0		146	57.7-151	9.32	50	
2-Butanone (MEK)	17.6		µg/l	20.0		88.0	24-153	5.85	50	
n-Butylbenzene	19.9		µg/l	20.0		99.5	70-130	4.42	25	
sec-Butylbenzene	23.2		µg/l	20.0		116	70-130	0.00	25	
tert-Butylbenzene	22.3		µg/l	20.0		112	70-130	1.77	25	
Carbon disulfide	18.0		µg/l	20.0		90.0	70-130	4.88	25	
Carbon tetrachloride	19.8		µg/l	20.0		99.0	70-130	0.504	25	
Chlorobenzene	20.9		µg/l	20.0		104	70-130	1.90	25	
Chloroethane	22.6		µg/l	20.0		113	70-134	11.2	50	
Chloroform	17.4		µg/l	20.0		87.0	70-130	3.39	25	
Chloromethane	20.2		µg/l	20.0		101	70-130	17.2	25	
2-Chlorotoluene	21.0		µg/l	20.0		105	70-130	0.948	25	
4-Chlorotoluene	21.5		µg/l	20.0		108	70-130	1.83	25	
1,2-Dibromo-3-chloropropane	22.6		µg/l	20.0		113	70-130	0.889	25	
Dibromochloromethane	23.1		µg/l	20.0		116	65.3-149	4.22	50	
1,2-Dibromoethane (EDB)	24.1		µg/l	20.0		120	70-130	3.28	25	
Dibromomethane	25.2		µg/l	20.0		126	70-130	4.88	25	
1,2-Dichlorobenzene	21.4		µg/l	20.0		107	70-130	1.85	25	
1,3-Dichlorobenzene	23.9		µg/l	20.0		120	70-130	3.39	25	
1,4-Dichlorobenzene	20.2		µg/l	20.0		101	70-130	2.93	25	
Dichlorodifluoromethane (Freon12)	40.4		µg/l	20.0		202	57.2-156	9.33	50	QC-2
1,1-Dichloroethane	20.7		µg/l	20.0		104	70-130	8.00	25	
1,2-Dichloroethane	19.1		µg/l	20.0		95.5	70-130	1.58	25	
1,1-Dichloroethene	19.2		µg/l	20.0		96.0	70-130	2.57	25	
cis-1,2-Dichloroethene	20.9		µg/l	20.0		104	70-130	3.77	25	
trans-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	5.71	25	
1,2-Dichloropropane	23.1		µg/l	20.0		116	70-130	0.866	25	
1,3-Dichloropropane	23.8		µg/l	20.0		119	70-130	2.49	25	
2,2-Dichloropropane	18.2		µg/l	20.0		91.0	70-130	5.65	25	
1,1-Dichloropropene	18.2		µg/l	20.0		91.0	70-130	6.38	25	
cis-1,3-Dichloropropene	23.2		µg/l	20.0		116	70-130	0.858	25	
trans-1,3-Dichloropropene	22.5		µg/l	20.0		112	70-130	1.77	25	
Ethylbenzene	20.1		µg/l	20.0		100	70-130	5.83	25	
Hexachlorobutadiene	16.8		µg/l	20.0		84.0	70-145	12.8	50	
2-Hexanone (MBK)	15.9		µg/l	20.0		79.5	70-130	11.8	25	
Isopropylbenzene	19.3		µg/l	20.0		96.5	70-130	3.56	25	
4-Isopropyltoluene	23.3		µg/l	20.0		116	70-130	0.00	25	
Methyl tert-butyl ether	23.0		µg/l	20.0		115	70-130	6.28	25	
4-Methyl-2-pentanone (MIBK)	19.9		µg/l	20.0		99.5	51.9-135	9.11	50	
Methylene chloride	21.7		µg/l	20.0		108	70-130	4.74	25	
Naphthalene	20.3		µg/l	20.0		102	70-130	2.99	25	
n-Propylbenzene	20.1		µg/l	20.0		100	70-130	6.76	25	
Styrene	20.7		µg/l	20.0		104	70-130	5.61	25	
1,1,1,2-Tetrachloroethane	20.5		µg/l	20.0		102	70-130	2.90	25	
1,1,2,2-Tetrachloroethane	23.0		µg/l	20.0		115	70-130	17.0	25	
Tetrachloroethene	21.0		µg/l	20.0		105	70-130	8.22	25	
Toluene	21.0		µg/l	20.0		105	70-130	11.7	25	
1,2,3-Trichlorobenzene	18.4		µg/l	20.0		92.0	70-130	0.00	25	
1,2,4-Trichlorobenzene	18.8		µg/l	20.0		94.0	70-130	0.533	25	
1,1,1-Trichloroethane	18.5		µg/l	20.0		92.5	70-130	2.67	25	
1,1,2-Trichloroethane	24.4		µg/l	20.0		122	70-130	2.43	25	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090994 - Volatiles										
LCS Dup (5090994-BSD1)				Prepared & Analyzed: 15-Sep-05						
Trichloroethene	22.1		µg/l	20.0		110	70-130	15.9	25	
Trichlorofluoromethane (Freon 11)	20.9		µg/l	20.0		104	68.2-143	0.966	50	
1,2,3-Trichloropropane	22.0		µg/l	20.0		110	70-130	1.83	25	
1,2,4-Trimethylbenzene	21.9		µg/l	20.0		110	70-130	0.00	25	
1,3,5-Trimethylbenzene	21.2		µg/l	20.0		106	70-130	1.87	25	
Vinyl chloride	23.9		µg/l	20.0		120	70-130	10.5	25	
m,p-Xylene	41.4		µg/l	40.0		104	70-130	6.51	25	
o-Xylene	21.8		µg/l	20.0		109	70-130	7.93	25	
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/l	*30.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*31.6*		µg/l	*30.0*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/l	*30.0*		*94.3*	*70-130*			
Surrogate: Dibromofluoromethane	*27.6*		µg/l	*30.0*		*92.0*	*70-130*			
Matrix Spike (5090994-MS1)		**Source: SA33983-06**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Benzene	22.9		µg/l	20.0	BRL	114	70-130			
Chlorobenzene	23.1		µg/l	20.0	BRL	116	70-130			
1,1-Dichloroethene	23.1		µg/l	20.0	BRL	116	70-130			
Toluene	25.1		µg/l	20.0	BRL	126	70-130			
Trichloroethene	25.3		µg/l	20.0	0.600	124	70-130			
Surrogate: 4-Bromofluorobenzene	*31.1*		µg/l	*30.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*31.8*		µg/l	*30.0*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/l	*30.0*		*94.0*	*70-130*			
Surrogate: Dibromofluoromethane	*26.6*		µg/l	*30.0*		*88.7*	*70-130*			
Matrix Spike Dup (5090994-MSD1)		**Source: SA33983-06**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Benzene	22.7		µg/l	20.0	BRL	114	70-130	0.00	30	
Chlorobenzene	23.3		µg/l	20.0	BRL	116	70-130	0.00	30	
1,1-Dichloroethene	26.1		µg/l	20.0	BRL	130	70-130	11.4	30	
Toluene	25.3		µg/l	20.0	BRL	126	70-130	0.00	30	
Trichloroethene	24.4		µg/l	20.0	0.600	119	70-130	4.12	30	
Surrogate: 4-Bromofluorobenzene	*31.7*		µg/l	*30.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*32.7*		µg/l	*30.0*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*31.2*		µg/l	*30.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*29.3*		µg/l	*30.0*		*97.7*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090939 - SW846 3550B										
Blank (5090939-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Gasoline	BRL	13.3	mg/kg wet							
Fuel Oil #2	BRL	13.3	mg/kg wet							
Fuel Oil #4	BRL	13.3	mg/kg wet							
Fuel Oil #6	BRL	13.3	mg/kg wet							
Motor Oil	BRL	13.3	mg/kg wet							
Aviation Fuel	BRL	13.3	mg/kg wet							
Unidentified	BRL	13.3	mg/kg wet							
Other Oil	BRL	13.3	mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3	mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3	mg/kg wet							
Surrogate: 1-Chlorooctadecane	*1.93*		mg/kg wet	*3.33*		*58.0*	*40-140*			
LCS (5090939-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
C9-C36 Aliphatic Hydrocarbons	69.8	13.3	mg/kg wet	93.3		74.8	40-140			
Surrogate: 1-Chlorooctadecane	*2.00*		mg/kg wet	*3.33*		*60.1*	*40-140*			
Duplicate (5090939-DUP1)		**Source: SA34035-03**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Gasoline	BRL	37.1	mg/kg dry		BRL				50	
Fuel Oil #2	BRL	37.1	mg/kg dry		BRL				50	
Fuel Oil #4	BRL	37.1	mg/kg dry		BRL				50	
Fuel Oil #6	BRL	37.1	mg/kg dry		BRL				50	
Motor Oil	BRL	37.1	mg/kg dry		BRL				50	
Aviation Fuel	Calculated as	37.1	mg/kg dry		BRL				50	
Unidentified	2250	37.1	mg/kg dry		2030			10.3	50	
Other Oil	BRL	37.1	mg/kg dry		BRL				50	
Total Petroleum Hydrocarbons	2250	37.1	mg/kg dry		2030			10.3	50	
C9-C36 Aliphatic Hydrocarbons	2250	37.1	mg/kg dry		2030			10.3	50	
Surrogate: 1-Chlorooctadecane	*3.69*		mg/kg dry	*4.65*		*79.4*	*40-140*			
Matrix Spike (5090939-MS1)		**Source: SA34035-03**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
C9-C36 Aliphatic Hydrocarbons	2070	17.9	mg/kg dry	126	2030	31.7	40-140			QM-02
Surrogate: 1-Chlorooctadecane	*3.47*		mg/kg dry	*4.49*		*77.3*	*40-140*			
Matrix Spike Dup (5090939-MSD1)		**Source: SA34035-03**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
C9-C36 Aliphatic Hydrocarbons	2610	17.9	mg/kg dry	126	2030	460	40-140	174	30	QM-02
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg dry	*4.49*		*78.4*	*40-140*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090836 - SW846 3550B										
Blank (5090836-BLK1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	BRL	28.6	µg/kg wet							
PCB 1221	BRL	28.6	µg/kg wet							
PCB 1232	BRL	28.6	µg/kg wet							
PCB 1242	BRL	28.6	µg/kg wet							
PCB 1248	BRL	28.6	µg/kg wet							
PCB 1254	BRL	28.6	µg/kg wet							
PCB 1260	BRL	28.6	µg/kg wet							
PCB 1262	BRL	28.6	µg/kg wet							
PCB 1268	BRL	28.6	µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*37.1*		µg/kg wet	*28.6*		*130*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*37.1*		µg/kg wet	*28.6*		*130*	*30-150*			
LCS (5090836-BS1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	403	28.6	µg/kg wet	357		113	40-140			
PCB 1260	406	28.6	µg/kg wet	357		114	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*30.0*		µg/kg wet	*28.6*		*105*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*31.4*		µg/kg wet	*28.6*		*110*	*30-150*			
Duplicate (5090836-DUP1)		**Source: SA33835-01**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	BRL	30.4	µg/kg dry		BRL				40	
PCB 1221	BRL	30.4	µg/kg dry		BRL				40	
PCB 1232	BRL	30.4	µg/kg dry		BRL				40	
PCB 1242	BRL	30.4	µg/kg dry		BRL				40	
PCB 1248	BRL	30.4	µg/kg dry		BRL				40	
PCB 1254	BRL	30.4	µg/kg dry		BRL				40	
PCB 1260	BRL	30.4	µg/kg dry		BRL				40	
PCB 1262	BRL	30.4	µg/kg dry		BRL				40	
PCB 1268	BRL	30.4	µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*34.9*		µg/kg dry	*30.3*		*115*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*39.4*		µg/kg dry	*30.3*		*130*	*30-150*			
Matrix Spike (5090836-MS1)		**Source: SA33835-01**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	434	28.8	µg/kg dry	359	BRL	121	40-140			
PCB 1260	422	28.8	µg/kg dry	359	BRL	118	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*30.2*		µg/kg dry	*28.7*		*105*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*34.5*		µg/kg dry	*28.7*		*120*	*30-150*			
Matrix Spike Dup (5090836-MSD1)		**Source: SA33835-01**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
PCB 1016	440	28.2	µg/kg dry	352	BRL	125	40-140	3.25	50	
PCB 1260	455	28.2	µg/kg dry	352	BRL	129	40-140	8.91	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*31.0*		µg/kg dry	*28.2*		*110*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*31.0*		µg/kg dry	*28.2*		*110*	*30-150*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
Blank (5090897-BLK1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
Acenaphthene	BRL	330	µg/kg wet							
Acenaphthylene	BRL	330	µg/kg wet							
Aniline	BRL	330	µg/kg wet							
Anthracene	BRL	330	µg/kg wet							
Atrazine	BRL	330	µg/kg wet							
Azobenzene/Diphenyldiazine	BRL	330	µg/kg wet							
Benzidine	BRL	330	µg/kg wet							
Benzo (a) anthracene	BRL	330	µg/kg wet							
Benzo (a) pyrene	BRL	330	µg/kg wet							
Benzo (b) fluoranthene	BRL	330	µg/kg wet							
Benzo (g,h,i) perylene	BRL	330	µg/kg wet							
Benzo (k) fluoranthene	BRL	330	µg/kg wet							
Benzoic acid	BRL	330	µg/kg wet							
Benzyl alcohol	BRL	330	µg/kg wet							
Bis(2-chloroethoxy)methane	BRL	330	µg/kg wet							
Bis(2-chloroethyl)ether	BRL	330	µg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	330	µg/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	330	µg/kg wet							
4-Bromophenyl phenyl ether	BRL	330	µg/kg wet							
Butyl benzyl phthalate	BRL	330	µg/kg wet							
Carbazole	BRL	330	µg/kg wet							
4-Chloro-3-methylphenol	BRL	330	µg/kg wet							
4-Chloroaniline	BRL	330	µg/kg wet							
2-Chloronaphthalene	BRL	330	µg/kg wet							
2-Chlorophenol	BRL	330	µg/kg wet							
4-Chlorophenyl phenyl ether	BRL	330	µg/kg wet							
Chrysene	BRL	330	µg/kg wet							
Dibenzo (a,h) anthracene	BRL	330	µg/kg wet							
Dibenzofuran	BRL	330	µg/kg wet							
1,2-Dichlorobenzene	BRL	330	µg/kg wet							
1,3-Dichlorobenzene	BRL	330	µg/kg wet							
1,4-Dichlorobenzene	BRL	330	µg/kg wet							
3,3′-Dichlorobenzidine	BRL	330	µg/kg wet							
2,4-Dichlorophenol	BRL	330	µg/kg wet							
Diethyl phthalate	BRL	330	µg/kg wet							
Dimethyl phthalate	BRL	330	µg/kg wet							
2,4-Dimethylphenol	BRL	330	µg/kg wet							
Di-n-butyl phthalate	BRL	330	µg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	330	µg/kg wet							
2,4-Dinitrophenol	BRL	330	µg/kg wet							
2,4-Dinitrotoluene	BRL	330	µg/kg wet							
2,6-Dinitrotoluene	BRL	330	µg/kg wet							
Di-n-octyl phthalate	BRL	330	µg/kg wet							
Fluoranthene	BRL	330	µg/kg wet							
Fluorene	BRL	330	µg/kg wet							
Hexachlorobenzene	BRL	330	µg/kg wet							
Hexachlorobutadiene	BRL	330	µg/kg wet							
Hexachlorocyclopentadiene	BRL	330	µg/kg wet							
Hexachloroethane	BRL	330	µg/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	330	µg/kg wet							
Isophorone	BRL	330	µg/kg wet							
1-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylnaphthalene	BRL	330	µg/kg wet							
2-Methylphenol	BRL	330	µg/kg wet							

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
Blank (5090897-BLK1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
3,4-Methylphenol	BRL	330	µg/kg wet							
Naphthalene	BRL	330	µg/kg wet							
2-Nitroaniline	BRL	330	µg/kg wet							
3-Nitroaniline	BRL	330	µg/kg wet							
4-Nitroaniline	BRL	1320	µg/kg wet							
Nitrobenzene	BRL	330	µg/kg wet							
2-Nitrophenol	BRL	330	µg/kg wet							
4-Nitrophenol	BRL	1320	µg/kg wet							
N-Nitrosodimethylamine	BRL	330	µg/kg wet							
N-Nitrosodi-n-propylamine	BRL	330	µg/kg wet							
N-Nitrosodiphenylamine	BRL	330	µg/kg wet							
Pentachlorophenol	BRL	1320	µg/kg wet							
Phenanthrene	BRL	330	µg/kg wet							
Phenol	BRL	330	µg/kg wet							
Pyrene	BRL	330	µg/kg wet							
Pyridine	BRL	330	µg/kg wet							
1,2,4-Trichlorobenzene	BRL	330	µg/kg wet							
2,4,5-Trichlorophenol	BRL	330	µg/kg wet							
2,4,6-Trichlorophenol	BRL	330	µg/kg wet							
Surrogate: 2-Fluorobiphenyl	*4320*		µg/kg wet	*6670*		*64.8*	*30-130*			
Surrogate: 2-Fluorophenol	*4920*		µg/kg wet	*6670*		*73.8*	*15-110*			
Surrogate: Nitrobenzene-d5	*4510*		µg/kg wet	*6670*		*67.6*	*30-130*			
Surrogate: Phenol-d5	*4320*		µg/kg wet	*6670*		*64.8*	*15-110*			
Surrogate: Terphenyl-dl4	*5340*		µg/kg wet	*6670*		*80.1*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3530*		µg/kg wet	*6670*		*52.9*	*15-110*			
LCS (5090897-BS1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
Acenaphthene	3950	330	µg/kg wet	6670		59.2	40-130			
Acenaphthylene	4210	330	µg/kg wet	6670		63.1	40-130			
Aniline	4120	330	µg/kg wet	6670		61.8	40-130			
Anthracene	4190	330	µg/kg wet	6670		62.8	40-130			
Atrazine	7990	330	µg/kg wet	6670		120	40-130			
Azobenzene/Diphenyldiazine	3880	330	µg/kg wet	6670		58.2	40-130			
Benzidine	4200	330	µg/kg wet	6670		63.0	40-130			
Benzo (a) anthracene	4040	330	µg/kg wet	6670		60.6	40-130			
Benzo (a) pyrene	4190	330	µg/kg wet	6670		62.8	40-130			
Benzo (b) fluoranthene	4000	330	µg/kg wet	6670		60.0	40-130			
Benzo (g,h,i) perylene	3970	330	µg/kg wet	6670		59.5	40-130			
Benzo (k) fluoranthene	4080	330	µg/kg wet	6670		61.2	40-130			
Benzoic acid	920	330	µg/kg wet	6670		13.8	40-130			QC-2
Benzyl alcohol	2920	330	µg/kg wet	6670		43.8	40-130			
Bis(2-chloroethoxy)methane	3820	330	µg/kg wet	6670		57.3	40-130			
Bis(2-chloroethyl)ether	3860	330	µg/kg wet	6670		57.9	40-130			
Bis(2-chloroisopropyl)ether	5150	330	µg/kg wet	6670		77.2	40-130			
Bis(2-ethylhexyl)phthalate	4100	330	µg/kg wet	6670		61.5	40-130			
4-Bromophenyl phenyl ether	4090	330	µg/kg wet	6670		61.3	40-130			
Butyl benzyl phthalate	4120	330	µg/kg wet	6670		61.8	40-130			
Carbazole	4770	330	µg/kg wet	6670		71.5	40-130			
4-Chloro-3-methylphenol	3890	330	µg/kg wet	6670		58.3	40-130			
4-Chloroaniline	3660	330	µg/kg wet	6670		54.9	40-130			
2-Chloronaphthalene	3990	330	µg/kg wet	6670		59.8	40-130			
2-Chlorophenol	4100	330	µg/kg wet	6670		61.5	40-130			
4-Chlorophenyl phenyl ether	3980	330	µg/kg wet	6670		59.7	40-130			
Chrysene	4190	330	µg/kg wet	6670		62.8	40-130			
Dibenzo (a,h) anthracene	4190	330	µg/kg wet	6670		62.8	40-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
LCS (5090897-BS1)				Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
Dibenzofuran	3890	330	µg/kg wet	6670		58.3	40-130			
1,2-Dichlorobenzene	3810	330	µg/kg wet	6670		57.1	40-130			
1,3-Dichlorobenzene	3870	330	µg/kg wet	6670		58.0	40-130			
1,4-Dichlorobenzene	3600	330	µg/kg wet	6670		54.0	40-130			
3,3′-Dichlorobenzidine	4080	330	µg/kg wet	6670		61.2	40-130			
2,4-Dichlorophenol	3780	330	µg/kg wet	6670		56.7	40-130			
Diethyl phthalate	4190	330	µg/kg wet	6670		62.8	40-130			
Dimethyl phthalate	4020	330	µg/kg wet	6670		60.3	40-130			
2,4-Dimethylphenol	3020	330	µg/kg wet	6670		45.3	40-130			
Di-n-butyl phthalate	4340	330	µg/kg wet	6670		65.1	40-130			
4,6-Dinitro-2-methylphenol	2890	330	µg/kg wet	6670		43.3	40-130			
2,4-Dinitrophenol	1700	330	µg/kg wet	6670		25.5	40-130			QC-2
2,4-Dinitrotoluene	4230	330	µg/kg wet	6670		63.4	40-130			
2,6-Dinitrotoluene	4460	330	µg/kg wet	6670		66.9	40-130			
Di-n-octyl phthalate	4060	330	µg/kg wet	6670		60.9	40-130			
Fluoranthene	4100	330	µg/kg wet	6670		61.5	40-130			
Fluorene	4060	330	µg/kg wet	6670		60.9	40-130			
Hexachlorobenzene	4090	330	µg/kg wet	6670		61.3	40-130			
Hexachlorobutadiene	3710	330	µg/kg wet	6670		55.6	40-130			
Hexachlorocyclopentadiene	2780	330	µg/kg wet	6670		41.7	40-130			
Hexachloroethane	3830	330	µg/kg wet	6670		57.4	40-130			
Indeno (1,2,3-cd) pyrene	4180	330	µg/kg wet	6670		62.7	40-130			
Isophorone	3910	330	µg/kg wet	6670		58.6	40-130			
1-Methylnaphthalene	3870	330	µg/kg wet	6670		58.0	40-140			
2-Methylnaphthalene	4210	330	µg/kg wet	6670		63.1	40-130			
2-Methylphenol	3970	330	µg/kg wet	6670		59.5	40-130			
3,4-Methylphenol	4010	330	µg/kg wet	6670		60.1	40-130			
Naphthalene	3710	330	µg/kg wet	6670		55.6	40-130			
2-Nitroaniline	4000	330	µg/kg wet	6670		60.0	40-130			
3-Nitroaniline	3940	330	µg/kg wet	6670		59.1	40-130			
4-Nitroaniline	4720	1320	µg/kg wet	6670		70.8	40-130			
Nitrobenzene	3790	330	µg/kg wet	6670		56.8	40-130			
2-Nitrophenol	3790	330	µg/kg wet	6670		56.8	40-130			
4-Nitrophenol	3510	1320	µg/kg wet	6670		52.6	40-130			
N-Nitrosodimethylamine	4640	330	µg/kg wet	6670		69.6	40-130			
N-Nitrosodi-n-propylamine	3480	330	µg/kg wet	6670		52.2	40-130			
N-Nitrosodiphenylamine	4600	330	µg/kg wet	6670		69.0	40-130			
Pentachlorophenol	4270	1320	µg/kg wet	6670		64.0	40-130			
Phenanthrene	3890	330	µg/kg wet	6670		58.3	40-130			
Phenol	3810	330	µg/kg wet	6670		57.1	40-130			
Pyrene	3900	330	µg/kg wet	6670		58.5	40-130			
Pyridine	5560	330	µg/kg wet	6670		83.4	40-130			
1,2,4-Trichlorobenzene	3720	330	µg/kg wet	6670		55.8	40-130			
2,4,5-Trichlorophenol	3940	330	µg/kg wet	6670		59.1	40-130			
2,4,6-Trichlorophenol	3590	330	µg/kg wet	6670		53.8	40-130			
Surrogate: 2-Fluorobiphenyl	*4280*		µg/kg wet	*6670*		*64.2*	*30-130*			
Surrogate: 2-Fluorophenol	*3580*		µg/kg wet	*6670*		*53.7*	*15-110*			
Surrogate: Nitrobenzene-d5	*4000*		µg/kg wet	*6670*		*60.0*	*30-130*			
Surrogate: Phenol-d5	*3170*		µg/kg wet	*6670*		*47.5*	*15-110*			
Surrogate: Terphenyl-dl4	*4390*		µg/kg wet	*6670*		*65.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4050*		µg/kg wet	*6670*		*60.7*	*15-110*			
Duplicate (5090897-DUP1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
Acenaphthene	BRL	296	µg/kg dry		BRL				50	
Acenaphthylene	BRL	296	µg/kg dry		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
Duplicate (5090897-DUP1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
Aniline	BRL	296	µg/kg dry		BRL				50	
Anthracene	BRL	296	µg/kg dry		BRL				50	
Atrazine	BRL	296	µg/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	296	µg/kg dry		BRL				50	
Benzidine	BRL	296	µg/kg dry		45.0			2.20	50	
Benzo (a) anthracene	BRL	296	µg/kg dry		BRL				50	
Benzo (a) pyrene	BRL	296	µg/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	296	µg/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	296	µg/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	296	µg/kg dry		BRL				50	
Benzoic acid	BRL	296	µg/kg dry		BRL				50	
Benzyl alcohol	BRL	296	µg/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	296	µg/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	296	µg/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	296	µg/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	296	µg/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	296	µg/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	296	µg/kg dry		BRL				50	
Carbazole	BRL	296	µg/kg dry		BRL				50	
4-Chloro-3-methylphenol	BRL	296	µg/kg dry		BRL				50	
4-Chloroaniline	BRL	296	µg/kg dry		BRL				50	
2-Chloronaphthalene	BRL	296	µg/kg dry		BRL				50	
2-Chlorophenol	BRL	296	µg/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	296	µg/kg dry		BRL				50	
Chrysene	BRL	296	µg/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	296	µg/kg dry		BRL				50	
Dibenzofuran	BRL	296	µg/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	296	µg/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	296	µg/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	296	µg/kg dry		BRL				50	
3,3′-Dichlorobenzidine	BRL	296	µg/kg dry		BRL				50	
2,4-Dichlorophenol	BRL	296	µg/kg dry		BRL				50	
Diethyl phthalate	BRL	296	µg/kg dry		BRL				50	
Dimethyl phthalate	BRL	296	µg/kg dry		85.4			76.4	50	QM-04
2,4-Dimethylphenol	BRL	296	µg/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	296	µg/kg dry		BRL				50	
4,6-Dinitro-2-methylphenol	BRL	296	µg/kg dry		BRL				50	
2,4-Dinitrophenol	BRL	296	µg/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	296	µg/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	296	µg/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	296	µg/kg dry		BRL				50	
Fluoranthene	BRL	296	µg/kg dry		BRL				50	
Fluorene	BRL	296	µg/kg dry		BRL				50	
Hexachlorobenzene	BRL	296	µg/kg dry		BRL				50	
Hexachlorobutadiene	BRL	296	µg/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	296	µg/kg dry		BRL				50	
Hexachloroethane	BRL	296	µg/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	296	µg/kg dry		BRL				50	
1-Methylnaphthalene	BRL	296	µg/kg dry		BRL				50	
Isophorone	BRL	296	µg/kg dry		BRL				50	
2-Methylnaphthalene	BRL	296	µg/kg dry		BRL				50	
2-Methylphenol	BRL	296	µg/kg dry		BRL				50	
3,4-Methylphenol	BRL	296	µg/kg dry		BRL				50	
Naphthalene	BRL	296	µg/kg dry		BRL				50	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
Duplicate (5090897-DUP1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
2-Nitroaniline	BRL	296	µg/kg dry		BRL				50	
3-Nitroaniline	BRL	296	µg/kg dry		BRL				50	
4-Nitroaniline	BRL	1180	µg/kg dry		BRL				50	
Nitrobenzene	BRL	296	µg/kg dry		BRL				50	
2-Nitrophenol	BRL	296	µg/kg dry		BRL				50	
4-Nitrophenol	BRL	1180	µg/kg dry		BRL				50	
N-Nitrosodimethylamine	BRL	296	µg/kg dry		BRL				50	
N-Nitrosodi-n-propylamine	BRL	296	µg/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	296	µg/kg dry		BRL				50	
Pentachlorophenol	BRL	1180	µg/kg dry		BRL				50	
Phenanthrene	BRL	296	µg/kg dry		BRL				50	
Phenol	BRL	296	µg/kg dry		BRL				50	
Pyrene	BRL	296	µg/kg dry		BRL				50	
Pyridine	BRL	296	µg/kg dry		BRL				50	
1,2,4-Trichlorobenzene	BRL	296	µg/kg dry		BRL				50	
2,4,5-Trichlorophenol	BRL	296	µg/kg dry		BRL				50	
2,4,6-Trichlorophenol	BRL	296	µg/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	*1740*		µg/kg dry	*2990*		*58.2*	*30-130*			
Surrogate: 2-Fluorophenol	*2010*		µg/kg dry	*2990*		*67.2*	*15-110*			
Surrogate: Nitrobenzene-d5	*1720*		µg/kg dry	*2990*		*57.5*	*30-130*			
Surrogate: Phenol-d5	*1590*		µg/kg dry	*2990*		*53.2*	*15-110*			
Surrogate: Terphenyl-dl4	*2330*		µg/kg dry	*2990*		*77.9*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1670*		µg/kg dry	*2990*		*55.9*	*15-110*			
Matrix Spike (5090897-MS1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
Acenaphthene	3740	299	µg/kg dry	6040	BRL	61.9	40-140			
4-Chloro-3-methylphenol	8350	299	µg/kg dry	12100	BRL	69.0	30-130			
2-Chlorophenol	7590	299	µg/kg dry	12100	BRL	62.7	30-130			
1,4-Dichlorobenzene	3460	299	µg/kg dry	6040	BRL	57.3	40-140			
2,4-Dinitrotoluene	3560	299	µg/kg dry	6040	BRL	58.9	40-140			
4-Nitrophenol	6410	1200	µg/kg dry	12100	BRL	53.0	30-130			
N-Nitrosodi-n-propylamine	3430	299	µg/kg dry	6040	BRL	56.8	40-140			
Pentachlorophenol	7500	1200	µg/kg dry	12100	BRL	62.0	30-130			
Phenol	6220	299	µg/kg dry	12100	BRL	51.4	30-130			
Pyrene	4470	299	µg/kg dry	6040	BRL	74.0	40-140			
1,2,4-Trichlorobenzene	3520	299	µg/kg dry	6040	BRL	58.3	40-140			
Surrogate: 2-Fluorobiphenyl	*4030*		µg/kg dry	*6040*		*66.7*	*30-130*			
Surrogate: 2-Fluorophenol	*3500*		µg/kg dry	*6040*		*57.9*	*15-110*			
Surrogate: Nitrobenzene-d5	*3840*		µg/kg dry	*6040*		*63.6*	*30-130*			
Surrogate: Phenol-d5	*3010*		µg/kg dry	*6040*		*49.8*	*15-110*			
Surrogate: Terphenyl-dl4	*5180*		µg/kg dry	*6040*		*85.8*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3970*		µg/kg dry	*6040*		*65.7*	*15-110*			
Matrix Spike Dup (5090897-MSD1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
Acenaphthene	3490	295	µg/kg dry	5960	BRL	58.6	40-140	5.48	30	
4-Chloro-3-methylphenol	7170	295	µg/kg dry	11900	BRL	60.3	30-130	13.5	30	
2-Chlorophenol	7090	295	µg/kg dry	11900	BRL	59.6	30-130	5.07	30	
1,4-Dichlorobenzene	3220	295	µg/kg dry	5960	BRL	54.0	40-140	5.93	30	
2,4-Dinitrotoluene	3420	295	µg/kg dry	5960	BRL	57.4	40-140	2.58	30	
4-Nitrophenol	6790	1180	µg/kg dry	11900	BRL	57.1	30-130	7.45	30	
N-Nitrosodi-n-propylamine	3100	295	µg/kg dry	5960	BRL	52.0	40-140	8.82	30	
Pentachlorophenol	7590	1180	µg/kg dry	11900	BRL	63.8	30-130	2.86	30	
Phenol	5520	295	µg/kg dry	11900	BRL	46.4	30-130	10.2	30	
Pyrene	3940	295	µg/kg dry	5960	BRL	66.1	40-140	11.3	30	
1,2,4-Trichlorobenzene	3150	295	µg/kg dry	5960	BRL	52.9	40-140	9.71	30	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090897 - SW846 3545A										
Matrix Spike Dup (5090897-MSD1)		**Source: SA33968-02**		Prepared: 14-Sep-05 Analyzed: 16-Sep-05						
Surrogate: 2-Fluorobiphenyl	*3660*		µg/kg dry	*5960*		*61.4*	*30-130*			
Surrogate: 2-Fluorophenol	*3220*		µg/kg dry	*5960*		*54.0*	*15-110*			
Surrogate: Nitrobenzene-d5	*3080*		µg/kg dry	*5960*		*51.7*	*30-130*			
Surrogate: Phenol-d5	*2660*		µg/kg dry	*5960*		*44.6*	*15-110*			
Surrogate: Terphenyl-dl4	*4560*		µg/kg dry	*5960*		*76.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3590*		µg/kg dry	*5960*		*60.2*	*15-110*			
Batch 5091357 - SW846 3535										
Blank (5091357-BLK1)				Prepared & Analyzed: 22-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
Naphthalene	BRL	5.00	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*281*		µg/l	*400*		*70.2*	*30-130*			
Surrogate: Terphenyl-dl4	*375*		µg/l	*400*		*93.8*	*30-130*			
LCS (5091357-BS1)				Prepared & Analyzed: 22-Sep-05						
Acenaphthene	269	5.00	µg/l	400		67.2	40-140			
Acenaphthylene	266	5.00	µg/l	400		66.5	40-140			
Anthracene	304	5.00	µg/l	400		76.0	40-140			
Benzo (a) anthracene	291	5.00	µg/l	400		72.8	40-140			
Benzo (a) pyrene	299	5.00	µg/l	400		74.8	40-140			
Benzo (b) fluoranthene	299	5.00	µg/l	400		74.8	40-140			
Benzo (g,h,i) perylene	296	5.00	µg/l	400		74.0	40-140			
Benzo (k) fluoranthene	300	5.00	µg/l	400		75.0	40-140			
Chrysene	289	5.00	µg/l	400		72.2	40-140			
Dibenzo (a,h) anthracene	307	5.00	µg/l	400		76.8	40-140			
Fluoranthene	302	5.00	µg/l	400		75.5	40-140			
Fluorene	271	5.00	µg/l	400		67.8	40-140			
Indeno (1,2,3-cd) pyrene	305	5.00	µg/l	400		76.2	40-140			
1-Methylnaphthalene	237	5.00	µg/l	400		59.2	40-140			
2-Methylnaphthalene	238	5.00	µg/l	400		59.5	40-140			
Naphthalene	232	5.00	µg/l	400		58.0	40-140			
Phenanthrene	292	5.00	µg/l	400		73.0	40-140			
Pyrene	282	5.00	µg/l	400		70.5	40-140			
Surrogate: 2-Fluorobiphenyl	*273*		µg/l	*400*		*68.2*	*30-130*			
Surrogate: Terphenyl-dl4	*302*		µg/l	*400*		*75.5*	*30-130*			
Duplicate (5091357-DUP1)		**Source: SA33956-04**		Prepared & Analyzed: 22-Sep-05						
Acenaphthene	BRL	5.00	µg/l		BRL				50	
Acenaphthylene	BRL	5.00	µg/l		BRL				50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091357 - SW846 3535										
Duplicate (5091357-DUP1)		**Source: SA33956-04**		Prepared & Analyzed: 22-Sep-05						
Anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) anthracene	BRL	5.00	µg/l		BRL				50	
Benzo (a) pyrene	BRL	5.00	µg/l		BRL				50	
Benzo (b) fluoranthene	BRL	5.00	µg/l		BRL				50	
Benzo (g,h,i) perylene	BRL	5.00	µg/l		BRL				50	
Benzo (k) fluoranthene	BRL	5.00	µg/l		BRL				50	
Chrysene	BRL	5.00	µg/l		BRL				50	
Dibenzo (a,h) anthracene	BRL	5.00	µg/l		BRL				50	
Fluoranthene	BRL	5.00	µg/l		BRL				50	
Fluorene	BRL	5.00	µg/l		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l		BRL				50	
1-Methylnaphthalene	BRL	5.00	µg/l		BRL				200	
2-Methylnaphthalene	BRL	5.00	µg/l		BRL				50	
Naphthalene	BRL	5.00	µg/l		BRL				50	
Phenanthrene	BRL	5.00	µg/l		BRL				50	
Pyrene	BRL	5.00	µg/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	*255*		µg/l	*400*		*63.8*	*30-130*			
Surrogate: Terphenyl-dl4	*308*		µg/l	*400*		*77.0*	*30-130*			
Batch 5091444 - SW846 1312										
Blank (5091444-BLK1)				Prepared & Analyzed: 21-Sep-05						
SPLP Extraction	Completed	N/A								

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090871 - EPA200/SW7000 Series										
Blank (5090871-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	BRL	0.179	mg/kg wet							
LCS (5090871-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.817	0.179	mg/kg wet	0.893		91.5	80-120			
Duplicate (5090871-DUP1)		**Source: SA33745-04**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	BRL	0.191	mg/kg dry		BRL				35	
Duplicate (5090871-DUP2)		**Source: SA34018-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	BRL	0.181	mg/kg dry		BRL				35	
Matrix Spike (5090871-MS1)		**Source: SA33968-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.511	0.194	mg/kg dry	0.451	BRL	113	75-125			
Matrix Spike (5090871-MS2)		**Source: SA34035-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	4.28	0.201	mg/kg dry	0.468	3.31	207	75-125			QM-4X
Matrix Spike Dup (5090871-MSD1)		**Source: SA33968-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	0.504	0.191	mg/kg dry	0.445	BRL	113	75-125	1.38	35	
Matrix Spike Dup (5090871-MSD2)		**Source: SA34035-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	3.48	0.184	mg/kg dry	0.429	3.31	39.6	75-125	20.6	35	QM-4X
Reference (5090871-SRM1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Mercury	1.35	0.179	mg/kg wet	1.30		104	85-115			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090870 - EPA 200 Series										
Blank (5090870-BLK1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Silver	BRL	2.00	mg/kg wet							
Zinc	BRL	5.25	mg/kg wet							
Vanadium	BRL	1.00	mg/kg wet							
Selenium	BRL	3.00	mg/kg wet							
Antimony	BRL	3.00	mg/kg wet							
Nickel	BRL	1.00	mg/kg wet							
Thallium	BRL	3.00	mg/kg wet							
Arsenic	BRL	3.00	mg/kg wet							
Lead	BRL	1.50	mg/kg wet							
Beryllium	BRL	0.400	mg/kg wet							
Copper	BRL	1.00	mg/kg wet							
Cadmium	BRL	0.500	mg/kg wet							
Chromium	BRL	1.00	mg/kg wet							
Barium	BRL	1.00	mg/kg wet							
LCS (5090870-BS1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Antimony	94.3	3.00	mg/kg wet	100		94.3	85-115			
Nickel	88.7	1.00	mg/kg wet	100		88.7	85-115			
Thallium	102	3.00	mg/kg wet	100		102	85-115			
Silver	49.4	2.00	mg/kg wet	50.0		98.8	85-115			
Zinc	88.3	1.00	mg/kg wet	100		88.3	85-115			
Vanadium	92.6	1.00	mg/kg wet	100		92.6	85-115			
Selenium	88.1	3.00	mg/kg wet	100		88.1	85-115			
Lead	86.2	1.50	mg/kg wet	100		86.2	85-115			
Copper	92.2	1.00	mg/kg wet	100		92.2	85-115			
Chromium	85.1	1.00	mg/kg wet	100		85.1	85-115			
Cadmium	86.0	0.500	mg/kg wet	100		86.0	85-115			
Beryllium	95.3	0.400	mg/kg wet	100		95.3	85-115			
Arsenic	92.3	3.00	mg/kg wet	100		92.3	85-115			
Barium	97.1	1.00	mg/kg wet	100		97.1	85-115			
Duplicate (5090870-DUP1)		**Source: SA33745-04**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Selenium	BRL	1.73	mg/kg dry		BRL				35	
Antimony	BRL	1.73	mg/kg dry		BRL				35	
Thallium	BRL	1.73	mg/kg dry		0.488			10.5	35	
Zinc	BRL	15.9	mg/kg dry		13.9			12.8	35	
Silver	BRL	1.15	mg/kg dry		BRL				35	
Nickel	1.87	0.577	mg/kg dry		1.52			20.6	35	
Vanadium	4.60	0.577	mg/kg dry		3.93			15.7	35	
Chromium	1.91	0.577	mg/kg dry		1.85			3.19	35	
Cadmium	BRL	0.288	mg/kg dry		BRL				35	
Beryllium	BRL	0.231	mg/kg dry		0.112			17.1	35	
Copper	6.25	0.577	mg/kg dry		4.18			39.7	35	QR-05
Lead	2.90	0.865	mg/kg dry		1.64			55.5	35	QR-05
Arsenic	BRL	1.73	mg/kg dry		0.706			19.6	35	
Barium	3.63	0.577	mg/kg dry		3.99			9.45	35	
Duplicate (5090870-DUP2)		**Source: SA34018-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	2.47	0.539	mg/kg dry		3.18			25.1	35	
Selenium	BRL	1.62	mg/kg dry		BRL				35	
Thallium	BRL	1.62	mg/kg dry		BRL				35	
Vanadium	6.25	0.539	mg/kg dry		6.65			6.20	35	
Zinc	BRL	13.5	mg/kg dry		13.7			2.96	35	
Antimony	BRL	1.62	mg/kg dry		BRL				35	
Silver	BRL	1.08	mg/kg dry		BRL				35	
Arsenic	6.28	1.62	mg/kg dry		6.48			3.13	35	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090870 - EPA 200 Series										
Duplicate (5090870-DUP2)		**Source: SA34018-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Beryllium	0.463	0.215	mg/kg dry		0.331			33.2	35	
Cadmium	BRL	0.269	mg/kg dry		BRL				35	
Chromium	3.85	0.539	mg/kg dry		4.04			4.82	35	
Lead	2.75	0.808	mg/kg dry		2.53			8.33	35	
Copper	4.72	0.539	mg/kg dry		5.08			7.35	35	
Barium	24.3	0.539	mg/kg dry		26.6			9.04	35	
Matrix Spike (5090870-MS1)		**Source: SA33968-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Selenium	58.6	1.70	mg/kg dry	56.6	BRL	104	70-130			
Zinc	57.8	0.566	mg/kg dry	56.6	3.37	96.2	70-130			
Silver	25.1	1.13	mg/kg dry	28.3	BRL	88.7	70-130			
Antimony	54.7	1.70	mg/kg dry	56.6	BRL	96.6	70-130			
Nickel	57.7	0.566	mg/kg dry	56.6	BRL	102	70-130			
Vanadium	53.5	0.566	mg/kg dry	56.6	0.940	92.9	70-130			
Thallium	54.9	1.70	mg/kg dry	56.6	BRL	97.0	70-130			
Cadmium	55.3	0.283	mg/kg dry	56.6	BRL	97.7	70-130			
Arsenic	54.9	1.70	mg/kg dry	56.6	BRL	97.0	70-130			
Beryllium	56.0	0.226	mg/kg dry	56.6	BRL	98.9	70-130			
Chromium	55.4	0.566	mg/kg dry	56.6	0.591	96.8	70-130			
Copper	62.5	0.566	mg/kg dry	56.6	2.04	107	70-130			
Lead	54.8	0.849	mg/kg dry	56.6	0.723	95.5	70-130			
Barium	56.0	0.566	mg/kg dry	56.6	1.74	95.9	70-130			
Matrix Spike (5090870-MS2)		**Source: SA34035-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Silver	28.0	1.12	mg/kg dry	28.1	4.92	82.1	70-130			
Nickel	59.8	0.562	mg/kg dry	56.2	11.5	85.9	70-130			
Selenium	49.7	1.69	mg/kg dry	56.2	1.16	86.4	70-130			
Antimony	91.4	1.69	mg/kg dry	56.2	BRL	163	70-130			QM-07
Zinc	242	0.562	mg/kg dry	56.2	188	96.1	70-130			
Vanadium	72.2	0.562	mg/kg dry	56.2	25.3	83.5	70-130			
Thallium	47.3	1.69	mg/kg dry	56.2	BRL	84.2	70-130			
Copper	262	0.562	mg/kg dry	56.2	214	85.4	70-130			
Lead	565	0.843	mg/kg dry	56.2	205	641	70-130			QM-4X
Arsenic	54.3	1.69	mg/kg dry	56.2	4.42	88.8	70-130			
Beryllium	50.0	0.225	mg/kg dry	56.2	0.410	88.2	70-130			
Chromium	60.4	0.562	mg/kg dry	56.2	12.7	84.9	70-130			
Cadmium	47.5	0.281	mg/kg dry	56.2	BRL	84.5	70-130			
Barium	160	0.562	mg/kg dry	56.2	101	105	70-130			
Matrix Spike Dup (5090870-MSD1)		**Source: SA33968-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Zinc	63.2	0.565	mg/kg dry	56.5	3.37	106	70-130	8.93	35	
Silver	25.1	1.13	mg/kg dry	28.2	BRL	89.0	70-130	0.00	35	
Antimony	54.2	1.69	mg/kg dry	56.5	BRL	95.9	70-130	0.918	35	
Vanadium	58.9	0.565	mg/kg dry	56.5	0.940	103	70-130	9.61	35	
Thallium	52.4	1.69	mg/kg dry	56.5	BRL	92.7	70-130	4.66	35	
Selenium	60.6	1.69	mg/kg dry	56.5	BRL	107	70-130	3.36	35	
Nickel	57.2	0.565	mg/kg dry	56.5	BRL	101	70-130	0.870	35	
Arsenic	56.7	1.69	mg/kg dry	56.5	BRL	100	70-130	3.23	35	
Lead	53.5	0.847	mg/kg dry	56.5	0.723	93.4	70-130	2.40	35	
Beryllium	56.7	0.226	mg/kg dry	56.5	BRL	100	70-130	1.24	35	
Copper	59.8	0.565	mg/kg dry	56.5	2.04	102	70-130	4.42	35	
Chromium	55.7	0.565	mg/kg dry	56.5	0.591	97.5	70-130	0.540	35	
Cadmium	54.9	0.282	mg/kg dry	56.5	BRL	97.2	70-130	0.726	35	
Barium	58.3	0.565	mg/kg dry	56.5	1.74	100	70-130	4.02	35	
Matrix Spike Dup (5090870-MSD2)		**Source: SA34035-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090870 - EPA 200 Series										
Matrix Spike Dup (5090870-MSD2)		**Source: SA34035-01**		Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Nickel	57.8	0.553	mg/kg dry	55.3	11.5	83.7	70-130	3.40	35	
Zinc	258	0.553	mg/kg dry	55.3	188	127	70-130	6.40	35	
Vanadium	76.5	0.553	mg/kg dry	55.3	25.3	92.6	70-130	5.78	35	
Thallium	45.2	1.66	mg/kg dry	55.3	BRL	81.7	70-130	4.54	35	
Selenium	46.3	1.66	mg/kg dry	55.3	1.16	81.6	70-130	7.08	35	
Antimony	41.7	1.66	mg/kg dry	55.3	BRL	75.4	70-130	74.7	35	QM-07
Silver	29.2	1.11	mg/kg dry	27.6	4.92	88.0	70-130	4.20	35	
Arsenic	50.7	1.66	mg/kg dry	55.3	4.42	83.7	70-130	6.86	35	
Beryllium	48.9	0.221	mg/kg dry	55.3	0.410	87.7	70-130	2.22	35	
Cadmium	44.9	0.276	mg/kg dry	55.3	BRL	81.2	70-130	5.63	35	
Copper	290	0.553	mg/kg dry	55.3	214	137	70-130	10.1	35	QM-07
Chromium	56.8	0.553	mg/kg dry	55.3	12.7	79.7	70-130	6.14	35	
Lead	227	0.829	mg/kg dry	55.3	205	39.8	70-130	85.4	35	QM-07
Barium	157	0.553	mg/kg dry	55.3	101	101	70-130	1.89	35	
Reference (5090870-SRM1)				Prepared: 15-Sep-05 Analyzed: 16-Sep-05						
Silver	23.7	2.00	mg/kg wet	24.8		95.6	85-115			
Thallium	49.2	3.00	mg/kg wet	51.4		95.7	85-115			
Vanadium	58.7	1.00	mg/kg wet	60.6		96.9	85-115			
Nickel	47.2	1.00	mg/kg wet	48.7		96.9	85-115			
Zinc	580	1.00	mg/kg wet	611		94.9	85-115			
Selenium	112	3.00	mg/kg wet	108		104	85-115			
Arsenic	69.1	3.00	mg/kg wet	68.2		101	85-115			
Cadmium	104	0.500	mg/kg wet	110		94.5	85-115			
Beryllium	2.57	0.400	mg/kg wet	2.32		111	85-115			
Copper	68.3	1.00	mg/kg wet	64.0		107	85-115			
Chromium	51.6	1.00	mg/kg wet	54.5		94.7	85-115			
Lead	119	1.50	mg/kg wet	121		98.3	85-115			

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091441 - SW846 1312										
Blank (5091441-BLK1)				Prepared & Analyzed: 21-Sep-05						
SPLP Extraction	Completed	N/A								
Batch 5091478 - SW846 3010A										
Blank (5091478-BLK1)				Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Vanadium	BRL	0.0050	mg/l							
Lead	BRL	0.0075	mg/l							
Chromium	BRL	0.0050	mg/l							
LCS (5091478-BS1)				Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Lead	0.915	0.0150	mg/l	1.00		91.5	85-115			
Vanadium	0.942	0.0050	mg/l	1.00		94.2	85-115			
Chromium	0.937	0.0050	mg/l	1.00		93.7	85-115			
LCS Dup (5091478-BSD1)				Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Lead	0.910	0.0150	mg/l	1.00		91.0	85-115	0.548	20	
Vanadium	0.876	0.0050	mg/l	1.00		87.6	85-115	7.26	20	
Chromium	0.875	0.0050	mg/l	1.00		87.5	85-115	6.84	20	
Duplicate (5091478-DUP1)		**Source: SA34035-03**		Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Vanadium	0.0184	0.0050	mg/l		0.0170			7.91	20	
Lead	BRL	0.0075	mg/l		0.0027			3.77	20	
Chromium	BRL	0.0050	mg/l		0.0030				20	
Matrix Spike (5091478-MS1)		**Source: SA34035-01**		Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Lead	0.792	0.0075	mg/l	1.00	0.0067	78.5	75-125			
Vanadium	0.876	0.0050	mg/l	1.00	0.0048	87.1	75-125			
Chromium	0.874	0.0050	mg/l	1.00	BRL	87.4	75-125			
Matrix Spike Dup (5091478-MSD1)		**Source: SA34035-01**		Prepared: 23-Sep-05 Analyzed: 27-Sep-05						
Lead	0.821	0.0075	mg/l	1.00	0.0067	81.4	75-125	3.60	20	
Vanadium	0.916	0.0050	mg/l	1.00	0.0048	91.1	75-125	4.46	20	
Chromium	0.908	0.0050	mg/l	1.00	BRL	90.8	75-125	3.82	20	
Batch 5091479 - EPA200/SW7000 Series										
Blank (5091479-BLK1)				Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	BRL	0.00040	mg/l							
LCS (5091479-BS1)				Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00206	0.00040	mg/l	0.00250		82.4	80-120			
Duplicate (5091479-DUP1)		**Source: SA34035-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	BRL	0.00040	mg/l		BRL				35	
Matrix Spike (5091479-MS1)		**Source: SA34035-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00227	0.00040	mg/l	0.00250	BRL	90.8	75-125			
Matrix Spike Dup (5091479-MSD1)		**Source: SA34035-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00244	0.00040	mg/l	0.00250	BRL	97.6	75-125	7.22	35	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5090901 - General Preparation										
Duplicate (5090901-DUP1)		**Source: SA34035-03**		Prepared: 14-Sep-05 Analyzed: 15-Sep-05						
% Solids	87.6	%			87.6			0.00	20	

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* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-05	RPD out of acceptance range.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA34035-01 SA34035-02 SA34035-03 SA34035-04 SA34035-05	List Specific Analytical Methods Used: +CT ETPH 1312/8270C EPA 200.7 SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8082 SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/27/2005

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* Reportable Detection Limit BRL = Below Reporting Limit

Appendix 5

Laboratory Analysis of Ground Water

SA 32209 (m)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

IW#5011230

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAYS
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Consulting Env. Engineers
100 Shield Street
West Hartford, CT 06110

Project Mgr.: Meg Winfield

Invoice To: Consulting Env. Engineers
100 Shield Street
West Hartford, CT 06110

P.O. No.: _____ RQN: _____

Project No.: 2005.045
Site Name: Meriden HUB
Location: Meriden State: CT
Sampler(s): Joe Perko

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs by 8260	CT ETPH	Total Lead	Total Cyanide					QA Reporting Notes: (check if needed)
SA32209-01	JTP050808-01	8/8/05	0845	G	GW	2,4,5	2					X								★ 1 Spectrum
02	-02		0850					1		2		X	X	X	X					Pre-pared
03	-03		1200									X	X	X	X					Trip Blank
04	-04		1345									X	X	X	X					Included

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

☐ Fax results when available to (____) _____
☐ E-mail to mwinfield@cee.net
EDD Format pdf

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4

Relinquished by:	Received by:	Date:	Time:
[signature] L.T. Rich III	CEE Fridge	8/8/05	1530
CEE Fridge KB	[signature]	8/9/05	10:30
[signature]	[signature]	8/9/5	16:15

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
12-Aug-05 15:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: Meriden, CT
Project #: 2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA32209-01	JTP050808-01	Ground Water	08-Aug-05 08:45	09-Aug-05 16:15
SA32209-02	JTP050808-02	Ground Water	08-Aug-05 08:50	09-Aug-05 16:15
SA32209-03	JTP050808-03	Ground Water	08-Aug-05 12:00	09-Aug-05 16:15
SA32209-04	JTP050808-04	Ground Water	08-Aug-05 13:45	09-Aug-05 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 20 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-01 SA32209-01	2005.045	Ground Water	08-Aug-05 08:45	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
034-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-01 SA32209-01	2005.045	Ground Water	08-Aug-05 08:45	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-02 SA32209-02	2005.045	Ground Water	08-Aug-05 08:50	09-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-02 SA32209-02	2005.045	Ground Water	08-Aug-05 08:50	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	3.7	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	2.6	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3535						
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	10-Aug-05	12-Aug-05	5080711	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*52.6*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	10-Aug-05	11-Aug-05	5080750	CR	
General Chemistry Parameters										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-02 SA32209-02	2005.045	Ground Water	08-Aug-05 08:50	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-03 SA32209-03	2005.045	Ground Water	08-Aug-05 12:00	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-03 SA32209-03	2005.045	Ground Water	08-Aug-05 12:00	09-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.9	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	2.0	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*106*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3535						
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	10-Aug-05	12-Aug-05	5080711	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*48.9*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	10-Aug-05	11-Aug-05	5080750	CR	
General Chemistry Parameters										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-03 SA32209-03	2005.045	Ground Water	08-Aug-05 12:00	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-04 SA32209-04	2005.045	Ground Water	08-Aug-05 13:45	09-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-04 SA32209-04	2005.045	Ground Water	08-Aug-05 13:45	09-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	10-Aug-05	10-Aug-05	5080723	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	3.5	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	2.5	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*106*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3535						
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	10-Aug-05	12-Aug-05	5080711	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*54.4*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	10-Aug-05	11-Aug-05	5080750	CR	
General Chemistry Parameters										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050808-04 SA32209-04	2005.045	Ground Water	08-Aug-05 13:45	09-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080723 - Volatiles										
Blank (5080723-BLK1)				Prepared & Analyzed: 10-Aug-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080723 - Volatiles										
Blank (5080723-BLK1)				Prepared & Analyzed: 10-Aug-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*		µg/l	*50.0*		*102*	*70-130*			
LCS (5080723-BS1)				Prepared & Analyzed: 10-Aug-05						
Acetone	16.7		µg/l	20.0		83.5	20.7-193			
Acrylonitrile	20.7		µg/l	20.0		104	70-130			
Benzene	18.6		µg/l	20.0		93.0	70-130			
Bromobenzene	21.4		µg/l	20.0		107	70-130			
Bromochloromethane	22.6		µg/l	20.0		113	70-130			
Bromodichloromethane	22.0		µg/l	20.0		110	70-130			
Bromoform	18.6		µg/l	20.0		93.0	70-130			
Bromomethane	19.9		µg/l	20.0		99.5	57.7-151			
2-Butanone (MEK)	16.7		µg/l	20.0		83.5	24-153			
n-Butylbenzene	15.3		µg/l	20.0		76.5	70-130			
sec-Butylbenzene	17.5		µg/l	20.0		87.5	70-130			
tert-Butylbenzene	18.7		µg/l	20.0		93.5	70-130			
Carbon disulfide	14.9		µg/l	20.0		74.5	70-130			
Carbon tetrachloride	17.0		µg/l	20.0		85.0	70-130			
Chlorobenzene	20.6		µg/l	20.0		103	70-130			
Chloroethane	16.9		µg/l	20.0		84.5	70-134			
Chloroform	19.4		µg/l	20.0		97.0	70-130			
Chloromethane	18.1		µg/l	20.0		90.5	70-130			
2-Chlorotoluene	19.6		µg/l	20.0		98.0	70-130			
4-Chlorotoluene	19.4		µg/l	20.0		97.0	70-130			
1,2-Dibromo-3-chloropropane	21.4		µg/l	20.0		107	70-130			
Dibromochloromethane	21.2		µg/l	20.0		106	65.3-149			
1,2-Dibromoethane (EDB)	22.4		µg/l	20.0		112	70-130			
Dibromomethane	22.3		µg/l	20.0		112	70-130			
1,2-Dichlorobenzene	21.0		µg/l	20.0		105	70-130			
1,3-Dichlorobenzene	20.7		µg/l	20.0		104	70-130			
1,4-Dichlorobenzene	20.4		µg/l	20.0		102	70-130			
Dichlorodifluoromethane (Freon12)	19.2		µg/l	20.0		96.0	57.2-156			
1,1-Dichloroethane	18.9		µg/l	20.0		94.5	70-130			
1,2-Dichloroethane	21.8		µg/l	20.0		109	70-130			
1,1-Dichloroethene	15.4		µg/l	20.0		77.0	70-130			
cis-1,2-Dichloroethene	20.5		µg/l	20.0		102	70-130			
trans-1,2-Dichloroethene	17.0		µg/l	20.0		85.0	70-130			
1,2-Dichloropropane	20.5		µg/l	20.0		102	70-130			
1,3-Dichloropropane	21.6		µg/l	20.0		108	70-130			
2,2-Dichloropropane	13.9		µg/l	20.0		69.5	70-130			QC-1
1,1-Dichloropropene	16.4		µg/l	20.0		82.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080723 - Volatiles										
LCS (5080723-BS1)				Prepared & Analyzed: 10-Aug-05						
cis-1,3-Dichloropropene	20.4		µg/l	20.0		102	70-130			
trans-1,3-Dichloropropene	20.9		µg/l	20.0		104	70-130			
Ethylbenzene	18.3		µg/l	20.0		91.5	70-130			
Hexachlorobutadiene	18.9		µg/l	20.0		94.5	70-145			
2-Hexanone (MBK)	16.8		µg/l	20.0		84.0	70-130			
Isopropylbenzene	17.6		µg/l	20.0		88.0	70-130			
4-Isopropyltoluene	17.2		µg/l	20.0		86.0	70-130			
Methyl tert-butyl ether	21.3		µg/l	20.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	18.2		µg/l	20.0		91.0	51.9-135			
Methylene chloride	21.7		µg/l	20.0		108	70-130			
Naphthalene	20.5		µg/l	20.0		102	70-130			
n-Propylbenzene	17.2		µg/l	20.0		86.0	70-130			
Styrene	21.0		µg/l	20.0		105	70-130			
1,1,1,2-Tetrachloroethane	21.8		µg/l	20.0		109	70-130			
1,1,2,2-Tetrachloroethane	22.0		µg/l	20.0		110	70-130			
Tetrachloroethene	17.4		µg/l	20.0		87.0	70-130			
Toluene	18.2		µg/l	20.0		91.0	70-130			
1,2,3-Trichlorobenzene	20.8		µg/l	20.0		104	70-130			
1,2,4-Trichlorobenzene	20.0		µg/l	20.0		100	70-130			
1,1,1-Trichloroethane	17.7		µg/l	20.0		88.5	70-130			
1,1,2-Trichloroethane	22.5		µg/l	20.0		112	70-130			
Trichloroethene	17.9		µg/l	20.0		89.5	70-130			
Trichlorofluoromethane (Freon 11)	16.6		µg/l	20.0		83.0	68.2-143			
1,2,3-Trichloropropane	21.9		µg/l	20.0		110	70-130			
1,2,4-Trimethylbenzene	19.0		µg/l	20.0		95.0	70-130			
1,3,5-Trimethylbenzene	18.8		µg/l	20.0		94.0	70-130			
Vinyl chloride	19.1		µg/l	20.0		95.5	70-130			
m,p-Xylene	36.0		µg/l	40.0		90.0	70-130			
o-Xylene	20.3		µg/l	20.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*54.1*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*54.0*		µg/l	*50.0*		*108*	*70-130*			
LCS Dup (5080723-BSD1)				Prepared & Analyzed: 10-Aug-05						
Acetone	18.8		µg/l	20.0		94.0	20.7-193	11.8	50	
Acrylonitrile	15.3		µg/l	20.0		76.5	70-130	30.5	25	QR-05
Benzene	18.9		µg/l	20.0		94.5	70-130	1.60	25	
Bromobenzene	19.8		µg/l	20.0		99.0	70-130	7.77	25	
Bromochloromethane	19.3		µg/l	20.0		96.5	70-130	15.8	25	
Bromodichloromethane	19.0		µg/l	20.0		95.0	70-130	14.6	25	
Bromoform	14.8		µg/l	20.0		74.0	70-130	22.8	25	
Bromomethane	18.4		µg/l	20.0		92.0	57.7-151	7.83	50	
2-Butanone (MEK)	18.4		µg/l	20.0		92.0	24-153	9.69	50	
n-Butylbenzene	21.1		µg/l	20.0		106	70-130	32.3	25	QR-05
sec-Butylbenzene	21.2		µg/l	20.0		106	70-130	19.1	25	
tert-Butylbenzene	20.9		µg/l	20.0		104	70-130	10.6	25	
Carbon disulfide	18.4		µg/l	20.0		92.0	70-130	21.0	25	
Carbon tetrachloride	19.4		µg/l	20.0		97.0	70-130	13.2	25	
Chlorobenzene	20.4		µg/l	20.0		102	70-130	0.976	25	
Chloroethane	18.5		µg/l	20.0		92.5	70-134	9.04	50	
Chloroform	18.4		µg/l	20.0		92.0	70-130	5.29	25	
Chloromethane	19.1		µg/l	20.0		95.5	70-130	5.38	25	
2-Chlorotoluene	19.8		µg/l	20.0		99.0	70-130	1.02	25	
4-Chlorotoluene	20.0		µg/l	20.0		100	70-130	3.05	25	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080723 - Volatiles										
LCS Dup (5080723-BSD1)				Prepared & Analyzed: 10-Aug-05						
1,2-Dibromo-3-chloropropane	17.9		µg/l	20.0		89.5	70-130	17.8	25	
Dibromochloromethane	18.2		µg/l	20.0		91.0	65.3-149	15.2	50	
1,2-Dibromoethane (EDB)	18.2		µg/l	20.0		91.0	70-130	20.7	25	
Dibromomethane	17.8		µg/l	20.0		89.0	70-130	22.9	25	
1,2-Dichlorobenzene	19.3		µg/l	20.0		96.5	70-130	8.44	25	
1,3-Dichlorobenzene	20.3		µg/l	20.0		102	70-130	1.94	25	
1,4-Dichlorobenzene	19.5		µg/l	20.0		97.5	70-130	4.51	25	
Dichlorodifluoromethane (Freon12)	25.5		µg/l	20.0		128	57.2-156	28.6	50	
1,1-Dichloroethane	18.8		µg/l	20.0		94.0	70-130	0.531	25	
1,2-Dichloroethane	18.1		µg/l	20.0		90.5	70-130	18.5	25	
1,1-Dichloroethene	18.6		µg/l	20.0		93.0	70-130	18.8	25	
cis-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
trans-1,2-Dichloroethene	18.4		µg/l	20.0		92.0	70-130	7.91	25	
1,2-Dichloropropane	18.8		µg/l	20.0		94.0	70-130	8.16	25	
1,3-Dichloropropane	17.9		µg/l	20.0		89.5	70-130	18.7	25	
2,2-Dichloropropane	19.3		µg/l	20.0		96.5	70-130	32.5	25	QR-05
1,1-Dichloropropene	19.9		µg/l	20.0		99.5	70-130	19.3	25	
cis-1,3-Dichloropropene	19.1		µg/l	20.0		95.5	70-130	6.58	25	
trans-1,3-Dichloropropene	18.6		µg/l	20.0		93.0	70-130	11.2	25	
Ethylbenzene	19.9		µg/l	20.0		99.5	70-130	8.38	25	
Hexachlorobutadiene	22.6		µg/l	20.0		113	70-145	17.8	50	
2-Hexanone (MBK)	16.4		µg/l	20.0		82.0	70-130	2.41	25	
Isopropylbenzene	19.6		µg/l	20.0		98.0	70-130	10.8	25	
4-Isopropyltoluene	21.2		µg/l	20.0		106	70-130	20.8	25	
Methyl tert-butyl ether	17.6		µg/l	20.0		88.0	70-130	18.6	25	
4-Methyl-2-pentanone (MIBK)	14.8		µg/l	20.0		74.0	51.9-135	20.6	50	
Methylene chloride	18.5		µg/l	20.0		92.5	70-130	15.5	25	
Naphthalene	18.7		µg/l	20.0		93.5	70-130	8.70	25	
n-Propylbenzene	20.4		µg/l	20.0		102	70-130	17.0	25	
Styrene	20.0		µg/l	20.0		100	70-130	4.88	25	
1,1,1,2-Tetrachloroethane	19.9		µg/l	20.0		99.5	70-130	9.11	25	
1,1,2,2-Tetrachloroethane	17.9		µg/l	20.0		89.5	70-130	20.6	25	
Tetrachloroethene	19.9		µg/l	20.0		99.5	70-130	13.4	25	
Toluene	18.5		µg/l	20.0		92.5	70-130	1.63	25	
1,2,3-Trichlorobenzene	20.0		µg/l	20.0		100	70-130	3.92	25	
1,2,4-Trichlorobenzene	20.1		µg/l	20.0		100	70-130	0.00	25	
1,1,1-Trichloroethane	19.8		µg/l	20.0		99.0	70-130	11.2	25	
1,1,2-Trichloroethane	18.3		µg/l	20.0		91.5	70-130	20.1	25	
Trichloroethene	19.3		µg/l	20.0		96.5	70-130	7.53	25	
Trichlorofluoromethane (Freon 11)	21.2		µg/l	20.0		106	68.2-143	24.3	50	
1,2,3-Trichloropropane	17.8		µg/l	20.0		89.0	70-130	21.1	25	
1,2,4-Trimethylbenzene	20.4		µg/l	20.0		102	70-130	7.11	25	
1,3,5-Trimethylbenzene	20.4		µg/l	20.0		102	70-130	8.16	25	
Vinyl chloride	24.8		µg/l	20.0		124	70-130	26.0	25	QR-05
m,p-Xylene	38.5		µg/l	40.0		96.2	70-130	6.66	25	
o-Xylene	20.4		µg/l	20.0		102	70-130	0.00	25	
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*47.6*		µg/l	*50.0*		*95.2*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Matrix Spike (5080723-MS1)		**Source: SA31851-09**		Prepared & Analyzed: 10-Aug-05						
Benzene	21.2		µg/l	20.0	BRL	106	70-130			
Chlorobenzene	22.4		µg/l	20.0	BRL	112	70-130			
1,1-Dichloroethene	20.6		µg/l	20.0	BRL	103	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080723 - Volatiles										
Matrix Spike (5080723-MS1)		**Source: SA31851-09**		Prepared & Analyzed: 10-Aug-05						
Toluene	28.4		µg/l	20.0	7.60	104	70-130			
Trichloroethene	21.2		µg/l	20.0	BRL	106	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l	*50.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*51.4*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5080723-MSD1)		**Source: SA31851-09**		Prepared & Analyzed: 10-Aug-05						
Benzene	26.3		µg/l	20.0	BRL	132	70-130	21.8	30	QM-07
Chlorobenzene	22.5		µg/l	20.0	BRL	112	70-130	0.00	30	
1,1-Dichloroethene	19.7		µg/l	20.0	BRL	98.5	70-130	4.47	30	
Toluene	28.1		µg/l	20.0	7.60	102	70-130	1.94	30	
Trichloroethene	21.1		µg/l	20.0	BRL	106	70-130	0.00	30	
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*50.0*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.7*		µg/l	*50.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080711 - SW846 3535										
Blank (5080711-BLK1)				Prepared: 10-Aug-05 Analyzed: 12-Aug-05						
Gasoline	BRL	0.05	mg/l							
Fuel Oil #2	BRL	0.05	mg/l							
Fuel Oil #4	BRL	0.05	mg/l							
Fuel Oil #6	BRL	0.05	mg/l							
Motor Oil	BRL	0.05	mg/l							
Aviation Fuel	BRL	0.05	mg/l							
Unidentified	BRL	0.05	mg/l							
Other Oil	BRL	0.05	mg/l							
Total Petroleum Hydrocarbons	BRL	0.05	mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05	mg/l							
Surrogate: 1-Chlorooctadecane	*0.0225*		mg/l	*0.0500*		*45.0*	*40-140*			
LCS (5080711-BS1)				Prepared: 10-Aug-05 Analyzed: 12-Aug-05						
C9-C36 Aliphatic Hydrocarbons	0.9	0.05	mg/l	1.40		64.3	40-140			
Surrogate: 1-Chlorooctadecane	*0.0226*		mg/l	*0.0500*		*45.2*	*40-140*			
Duplicate (5080711-DUP1)		**Source: SA32085-02**		Prepared: 10-Aug-05 Analyzed: 12-Aug-05						
Gasoline	BRL	0.1	mg/l		BRL				50	
Fuel Oil #2	BRL	0.1	mg/l		BRL				50	
Fuel Oil #4	BRL	0.1	mg/l		BRL				50	
Fuel Oil #6	BRL	0.1	mg/l		BRL				50	
Motor Oil	BRL	0.1	mg/l		BRL				50	
Aviation Fuel	BRL	0.1	mg/l		BRL				50	
Unidentified	BRL	0.1	mg/l		BRL				50	
Other Oil	BRL	0.1	mg/l		BRL				50	
Total Petroleum Hydrocarbons	BRL	0.1	mg/l		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	0.1	mg/l		BRL				50	
Surrogate: 1-Chlorooctadecane	*0.0213*		mg/l	*0.0513*		*41.5*	*40-140*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080750 - EPA 200 Series										
Blank (5080750-BLK1)				Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	BRL	0.0038	mg/l							
LCS (5080750-BS1)				Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0970	0.0038	mg/l	0.100		97.0	85-115			
Duplicate (5080750-DUP1)		**Source: SA31832-01**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	BRL	0.0038	mg/l		0.0022				20	
Duplicate (5080750-DUP2)		**Source: SA31915-03**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0096	0.0038	mg/l		0.0101			5.08	20	
Matrix Spike (5080750-MS1)		**Source: SA31833-04**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0860	0.0038	mg/l	0.100	0.0071	78.9	70-130			
Matrix Spike (5080750-MS2)		**Source: SA32209-02**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0971	0.0038	mg/l	0.100	BRL	97.1	70-130			
Matrix Spike Dup (5080750-MSD1)		**Source: SA31833-04**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0877	0.0038	mg/l	0.100	0.0071	80.6	70-130	1.96	20	
Matrix Spike Dup (5080750-MSD2)		**Source: SA32209-02**		Prepared: 10-Aug-05 Analyzed: 11-Aug-05						
Lead	0.0948	0.0038	mg/l	0.100	BRL	94.8	70-130	2.40	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080968 - General Preparation										
Blank (5080968-BLK1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	BRL	0.0100	mg/l							
LCS (5080968-BS1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.310	0.0100	mg/l	0.300		103	90-110			
Matrix Spike (5080968-MS1)		**Source: SA32209-02**		Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.295	0.0100	mg/l	0.300	BRL	98.3	75-125			
Matrix Spike Dup (5080968-MSD1)		**Source: SA32209-02**		Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.290	0.0100	mg/l	0.300	BRL	96.7	75-125	1.71	20	
Reference (5080968-SRM1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.327	0.0100	mg/l	0.333		98.2	75.7-125			

Notes and Definitions

QC-1	Analyte out of acceptance range.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-05	RPD out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA 32290 (F2) MY

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Consulting Env. Engineers
100 Shield Street
West Hartford, CT 06110

Project Mgr.: Meg Winfield

Invoice To: Consulting Env. Engineers
100 Shield Street
West Hartford CT 06110
IW#5011229 (AP)

P.O. No.: _____ RQN: _____

Project No.: 2005.045
Site Name: Meriden HUB
Location: Meriden State: CT
Sampler(s): Joe Perko

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs by 8260	CT ETPH	Total Lead	Total Cyanide				
32290-01	JTP050809-05	8/9/05	1015	G	GW	2,4,5	2	1		2		X	X	X	X				
-02	-06		1150									X	X	X	X				
-03	-07		1350									X	X	X	X				
-04	-08		1400			2						X							

QA Reporting Notes: (check if needed)

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

#1 Spectrum Trip Blank Included

☐ Fax results when available to (____) _____
☐ E-mail to mwinfield@cee.net
EDD Format pdf

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5°

Relinquished by:	Received by:	Date:	Time:
Joseph T. Rhodes III	CEE Fridge	8/9/05	1530
CEE Fridge	Kevin Bogue	8/10/05	10:50
Kevin Bogue	[signature]	8-10-05	1050
[signature]	[signature]	8/10/05	225

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-[illegible]-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
15-Aug-05 16:34

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: Meriden HUB - Meriden, CT
Project #: 2005-045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA32290-01	JTP050809-05	Ground Water	09-Aug-05 10:15	10-Aug-05 14:25
SA32290-02	JTP050809-06	Ground Water	09-Aug-05 11:50	10-Aug-05 14:25
SA32290-03	JTP050809-07	Ground Water	09-Aug-05 13:50	10-Aug-05 14:25
SA32290-04	JTP050809-08	Ground Water	09-Aug-05 14:00	10-Aug-05 14:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s).
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Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-05 SA32290-01	2005-045	Ground Water	09-Aug-05 10:15	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	11-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	1.4	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	1.6	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-05 SA32290-01	2005-045	Ground Water	09-Aug-05 10:15	10-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	11-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	2.0	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	11.6	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.4	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	1.5	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	11-Aug-05	15-Aug-05	5080808	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*48.8*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	12-Aug-05	13-Aug-05	5080821	HB	
General Chemistry Parameters										

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-05 SA32290-01	2005-045	Ground Water	09-Aug-05 10:15	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	11-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	2.0	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	11.6	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.4	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	1.5	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	11-Aug-05	15-Aug-05	5080808	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*48.8*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	12-Aug-05	13-Aug-05	5080821	HB	
General Chemistry Parameters										

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-05 SA32290-01	2005-045	Ground Water	09-Aug-05 10:15	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-06 SA32290-02	2005-045	Ground Water	09-Aug-05 11:50	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-06 SA32290-02	2005-045	Ground Water	09-Aug-05 11:50	10-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	3.0	2.0 µg/l	1	"	"	"	"	"	
[illegible]-47-6	o-Xylene	2.0	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*79.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	11-Aug-05	15-Aug-05	5080808	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*64.5*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	12-Aug-05	13-Aug-05	5080821	HB	
General Chemistry Parameters										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-06 SA32290-02	2005-045	Ground Water	09-Aug-05 11:50	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-07 SA32290-03	2005-045	Ground Water	09-Aug-05 13:50	10-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
34-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-07 SA32290-03	2005-045	Ground Water	09-Aug-05 13:50	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5030 Water MS						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	1.0	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.8	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	1.8	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*86.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method	SW846 3535						
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	11-Aug-05	15-Aug-05	5080808	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*60.6*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	12-Aug-05	13-Aug-05	5080821	HB	
General Chemistry Parameters										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-07 SA32290-03	2005-045	Ground Water	09-Aug-05 13:50	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	12-Aug-05	12-Aug-05	5080968	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-08 SA32290-04	2005-045	Ground Water	09-Aug-05 14:00	10-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050809-08 SA32290-04	2005-045	Ground Water	09-Aug-05 14:00	10-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	11-Aug-05	11-Aug-05	5080833	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.4*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*87.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080833 - SW846 5030 Water MS										
Blank (5080833-BLK1)				Prepared & Analyzed: 11-Aug-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080833 - SW846 5030 Water MS										
Blank (5080833-BLK1)				Prepared & Analyzed: 11-Aug-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*43.8*		µg/l	*50.0*		*87.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/l	*50.0*		*93.6*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
LCS (5080833-BS1)				Prepared & Analyzed: 11-Aug-05						
Acetone	17.6		µg/l	20.0		88.0	20.7-193			
Acrylonitrile	17.8		µg/l	20.0		89.0	70-130			
Benzene	20.9		µg/l	20.0		104	70-130			
Bromobenzene	21.7		µg/l	20.0		108	70-130			
Bromochloromethane	21.2		µg/l	20.0		106	70-130			
Bromodichloromethane	21.4		µg/l	20.0		107	70-130			
Bromoform	19.0		µg/l	20.0		95.0	70-130			
Bromomethane	23.3		µg/l	20.0		116	57.7-151			
2-Butanone (MEK)	16.6		µg/l	20.0		83.0	24-153			
n-Butylbenzene	20.7		µg/l	20.0		104	70-130			
sec-Butylbenzene	22.2		µg/l	20.0		111	70-130			
tert-Butylbenzene	22.1		µg/l	20.0		110	70-130			
Carbon disulfide	21.9		µg/l	20.0		110	70-130			
Carbon tetrachloride	17.8		µg/l	20.0		89.0	70-130			
Chlorobenzene	21.7		µg/l	20.0		108	70-130			
Chloroethane	20.1		µg/l	20.0		100	70-134			
Chloroform	20.3		µg/l	20.0		102	70-130			
Chloromethane	26.6		µg/l	20.0		133	70-130			QC-2
2-Chlorotoluene	19.6		µg/l	20.0		98.0	70-130			
4-Chlorotoluene	21.2		µg/l	20.0		106	70-130			
1,2-Dibromo-3-chloropropane	15.1		µg/l	20.0		75.5	70-130			
Dibromochloromethane	17.3		µg/l	20.0		86.5	65.3-149			
1,2-Dibromoethane (EDB)	18.1		µg/l	20.0		90.5	70-130			
Dibromomethane	19.4		µg/l	20.0		97.0	70-130			
1,2-Dichlorobenzene	22.6		µg/l	20.0		113	70-130			
1,3-Dichlorobenzene	22.6		µg/l	20.0		113	70-130			
1,4-Dichlorobenzene	22.5		µg/l	20.0		112	70-130			
Dichlorodifluoromethane (Freon12)	27.1		µg/l	20.0		136	57.2-156			
1,1-Dichloroethane	20.3		µg/l	20.0		102	70-130			
1,2-Dichloroethane	20.0		µg/l	20.0		100	70-130			
1,1-Dichloroethene	21.1		µg/l	20.0		106	70-130			
cis-1,2-Dichloroethene	21.6		µg/l	20.0		108	70-130			
trans-1,2-Dichloroethene	21.2		µg/l	20.0		106	70-130			
1,2-Dichloropropane	20.0		µg/l	20.0		100	70-130			
1,3-Dichloropropane	17.1		µg/l	20.0		85.5	70-130			
2,2-Dichloropropane	15.4		µg/l	20.0		77.0	70-130			
1,1-Dichloropropene	20.9		µg/l	20.0		104	70-130			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080833 - SW846 5030 Water MS										
LCS (5080833-BS1)				Prepared & Analyzed: 11-Aug-05						
cis-1,3-Dichloropropene	18.6		µg/l	20.0		93.0	70-130			
trans-1,3-Dichloropropene	15.0		µg/l	20.0		75.0	70-130			
Ethylbenzene	21.5		µg/l	20.0		108	70-130			
Hexachlorobutadiene	21.2		µg/l	20.0		106	70-145			
2-Hexanone (MBK)	14.5		µg/l	20.0		72.5	70-130			
Isopropylbenzene	21.6		µg/l	20.0		108	70-130			
4-Isopropyltoluene	21.9		µg/l	20.0		110	70-130			
Methyl tert-butyl ether	17.9		µg/l	20.0		89.5	70-130			
4-Methyl-2-pentanone (MIBK)	17.5		µg/l	20.0		87.5	51.9-135			
Methylene chloride	20.9		µg/l	20.0		104	70-130			
Naphthalene	19.0		µg/l	20.0		95.0	70-130			
n-Propylbenzene	21.8		µg/l	20.0		109	70-130			
Styrene	21.7		µg/l	20.0		108	70-130			
1,1,1,2-Tetrachloroethane	18.8		µg/l	20.0		94.0	70-130			
1,1,2,2-Tetrachloroethane	20.0		µg/l	20.0		100	70-130			
Tetrachloroethene	19.5		µg/l	20.0		97.5	70-130			
Toluene	17.2		µg/l	20.0		86.0	70-130			
1,2,3-Trichlorobenzene	20.4		µg/l	20.0		102	70-130			
1,2,4-Trichlorobenzene	20.3		µg/l	20.0		102	70-130			
1,1,1-Trichloroethane	19.4		µg/l	20.0		97.0	70-130			
1,1,2-Trichloroethane	16.9		µg/l	20.0		84.5	70-130			
Trichloroethene	20.3		µg/l	20.0		102	70-130			
Trichlorofluoromethane (Freon 11)	22.6		µg/l	20.0		113	68.2-143			
1,2,3-Trichloropropane	19.5		µg/l	20.0		97.5	70-130			
1,2,4-Trimethylbenzene	21.3		µg/l	20.0		106	70-130			
1,3,5-Trimethylbenzene	21.2		µg/l	20.0		106	70-130			
Vinyl chloride	26.3		µg/l	20.0		132	70-130			QC-1
m,p-Xylene	43.6		µg/l	40.0		109	70-130			
o-Xylene	22.7		µg/l	20.0		114	70-130			
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*40.1*		µg/l	*50.0*		*80.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.6*		µg/l	*50.0*		*97.2*	*70-130*			
Surrogate: Dibromofluoromethane	*51.3*		µg/l	*50.0*		*103*	*70-130*			
LCS Dup (5080833-BSD1)				Prepared & Analyzed: 11-Aug-05						
Acetone	17.7		µg/l	20.0		88.5	20.7-193	0.567	50	
Acrylonitrile	18.3		µg/l	20.0		91.5	70-130	2.77	25	
Benzene	20.4		µg/l	20.0		102	70-130	1.94	25	
Bromobenzene	21.4		µg/l	20.0		107	70-130	0.930	25	
Bromochloromethane	20.8		µg/l	20.0		104	70-130	1.90	25	
Bromodichloromethane	20.8		µg/l	20.0		104	70-130	2.84	25	
Bromoform	19.4		µg/l	20.0		97.0	70-130	2.08	25	
Bromomethane	22.6		µg/l	20.0		113	57.7-151	2.62	50	
2-Butanone (MEK)	18.5		µg/l	20.0		92.5	24-153	10.8	50	
n-Butylbenzene	20.2		µg/l	20.0		101	70-130	2.93	25	
sec-Butylbenzene	21.5		µg/l	20.0		108	70-130	2.74	25	
tert-Butylbenzene	21.4		µg/l	20.0		107	70-130	2.76	25	
Carbon disulfide	21.5		µg/l	20.0		108	70-130	1.83	25	
Carbon tetrachloride	17.1		µg/l	20.0		85.5	70-130	4.01	25	
Chlorobenzene	21.2		µg/l	20.0		106	70-130	1.87	25	
Chloroethane	20.0		µg/l	20.0		100	70-134	0.00	50	
Chloroform	20.2		µg/l	20.0		101	70-130	0.985	25	
Chloromethane	26.3		µg/l	20.0		132	70-130	0.755	25	QC-2
2-Chlorotoluene	18.8		µg/l	20.0		94.0	70-130	4.17	25	
4-Chlorotoluene	20.9		µg/l	20.0		104	70-130	1.90	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080833 - SW846 5030 Water MS										
LCS Dup (5080833-BSD1)				Prepared & Analyzed: 11-Aug-05						
1,2-Dibromo-3-chloropropane	16.3		µg/l	20.0		81.5	70-130	7.64	25	
Dibromochloromethane	17.3		µg/l	20.0		86.5	65.3-149	0.00	50	
1,2-Dibromoethane (EDB)	18.4		µg/l	20.0		92.0	70-130	1.64	25	
Dibromomethane	19.3		µg/l	20.0		96.5	70-130	0.517	25	
1,2-Dichlorobenzene	21.8		µg/l	20.0		109	70-130	3.60	25	
1,3-Dichlorobenzene	21.7		µg/l	20.0		108	70-130	4.52	25	
1,4-Dichlorobenzene	22.3		µg/l	20.0		112	70-130	0.00	25	
Dichlorodifluoromethane (Freon12)	27.4		µg/l	20.0		137	57.2-156	0.733	50	
1,1-Dichloroethane	19.9		µg/l	20.0		99.5	70-130	2.48	25	
1,2-Dichloroethane	19.6		µg/l	20.0		98.0	70-130	2.02	25	
1,1-Dichloroethene	20.6		µg/l	20.0		103	70-130	2.87	25	
cis-1,2-Dichloroethene	21.4		µg/l	20.0		107	70-130	0.930	25	
trans-1,2-Dichloroethene	20.4		µg/l	20.0		102	70-130	3.85	25	
1,2-Dichloropropane	19.8		µg/l	20.0		99.0	70-130	1.01	25	
1,3-Dichloropropane	17.0		µg/l	20.0		85.0	70-130	0.587	25	
2,2-Dichloropropane	14.8		µg/l	20.0		74.0	70-130	3.97	25	
1,1-Dichloropropene	20.6		µg/l	20.0		103	70-130	0.966	25	
cis-1,3-Dichloropropene	18.8		µg/l	20.0		94.0	70-130	1.07	25	
trans-1,3-Dichloropropene	14.7		µg/l	20.0		73.5	70-130	2.02	25	
Ethylbenzene	21.0		µg/l	20.0		105	70-130	2.82	25	
Hexachlorobutadiene	19.7		µg/l	20.0		98.5	70-145	7.33	50	
2-Hexanone (MBK)	16.0		µg/l	20.0		80.0	70-130	9.84	25	
Isopropylbenzene	20.9		µg/l	20.0		104	70-130	3.77	25	
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130	2.76	25	
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130	0.557	25	
4-Methyl-2-pentanone (MIBK)	18.2		µg/l	20.0		91.0	51.9-135	3.92	50	
Methylene chloride	20.8		µg/l	20.0		104	70-130	0.00	25	
Naphthalene	18.8		µg/l	20.0		94.0	70-130	1.06	25	
n-Propylbenzene	21.6		µg/l	20.0		108	70-130	0.922	25	
Styrene	21.4		µg/l	20.0		107	70-130	0.930	25	
1,1,1,2-Tetrachloroethane	18.3		µg/l	20.0		91.5	70-130	2.70	25	
1,1,2,2-Tetrachloroethane	20.7		µg/l	20.0		104	70-130	3.92	25	
Tetrachloroethene	19.3		µg/l	20.0		96.5	70-130	1.03	25	
Toluene	16.8		µg/l	20.0		84.0	70-130	2.35	25	
1,2,3-Trichlorobenzene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
1,2,4-Trichlorobenzene	19.2		µg/l	20.0		96.0	70-130	6.06	25	
1,1,1-Trichloroethane	19.1		µg/l	20.0		95.5	70-130	1.56	25	
1,1,2-Trichloroethane	17.0		µg/l	20.0		85.0	70-130	0.590	25	
Trichloroethene	20.2		µg/l	20.0		101	70-130	0.985	25	
Trichlorofluoromethane (Freon 11)	21.9		µg/l	20.0		110	68.2-143	2.69	50	
1,2,3-Trichloropropane	19.8		µg/l	20.0		99.0	70-130	1.53	25	
1,2,4-Trimethylbenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
1,3,5-Trimethylbenzene	20.9		µg/l	20.0		104	70-130	1.90	25	
Vinyl chloride	24.2		µg/l	20.0		121	70-130	8.70	25	
m,p-Xylene	42.6		µg/l	40.0		106	70-130	2.79	25	
o-Xylene	22.4		µg/l	20.0		112	70-130	1.77	25	
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*39.6*		µg/l	*50.0*		*79.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/l	*50.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*51.5*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike (5080833-MS1)		**Source: SA32290-04**		Prepared & Analyzed: 11-Aug-05						
Benzene	22.2		µg/l	20.0	BRL	111	70-130			
Chlorobenzene	23.3		µg/l	20.0	BRL	116	70-130			
1,1-Dichloroethene	21.9		µg/l	20.0	BRL	110	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080833 - SW846 5030 Water MS										
Matrix Spike (5080833-MS1)		**Source: SA32290-04**		Prepared & Analyzed: 11-Aug-05						
Toluene	20.6		µg/l	20.0	BRL	103	70-130			
Trichloroethene	24.0		µg/l	20.0	BRL	120	70-130			
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*44.2*		µg/l	*50.0*		*88.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l	*50.0*		*99.8*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5080833-MSD1)		**Source: SA32290-04**		Prepared & Analyzed: 11-Aug-05						
Benzene	22.1		µg/l	20.0	BRL	110	70-130	0.905	30	
Chlorobenzene	23.2		µg/l	20.0	BRL	116	70-130	0.00	30	
1,1-Dichloroethene	21.4		µg/l	20.0	BRL	107	70-130	2.76	30	
Toluene	20.3		µg/l	20.0	BRL	102	70-130	0.976	30	
Trichloroethene	23.2		µg/l	20.0	BRL	116	70-130	3.39	30	
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*43.4*		µg/l	*50.0*		*86.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		µg/l	*50.0*		*102*	*70-130*			
Batch 5080927 - SW846 5030 Water MS										
Blank (5080927-BLK1)				Prepared & Analyzed: 12-Aug-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
Blank (5080927-BLK1)				Prepared & Analyzed: 12-Aug-05						
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*38.2*		µg/l	*50.0*		*76.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/l	*50.0*		*96.4*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		µg/l	*50.0*		*103*	*70-130*			
LCS (5080927-BS1)				Prepared & Analyzed: 12-Aug-05						
Acetone	18.4		µg/l	20.0		92.0	20.7-193			
Acrylonitrile	19.7		µg/l	20.0		98.5	70-130			
Benzene	20.5		µg/l	20.0		102	70-130			
Bromobenzene	21.6		µg/l	20.0		108	70-130			
Bromochloromethane	20.8		µg/l	20.0		104	70-130			
Bromodichloromethane	22.0		µg/l	20.0		110	70-130			
Bromoform	20.4		µg/l	20.0		102	70-130			
Bromomethane	20.5		µg/l	20.0		102	57.7-151			
2-Butanone (MEK)	19.1		µg/l	20.0		95.5	24-153			
n-Butylbenzene	19.8		µg/l	20.0		99.0	70-130			
sec-Butylbenzene	21.5		µg/l	20.0		108	70-130			
tert-Butylbenzene	21.2		µg/l	20.0		106	70-130			
Carbon disulfide	20.8		µg/l	20.0		104	70-130			
Carbon tetrachloride	17.1		µg/l	20.0		85.5	70-130			
Chlorobenzene	21.0		µg/l	20.0		105	70-130			
Chloroethane	20.1		µg/l	20.0		100	70-134			
Chloroform	20.4		µg/l	20.0		102	70-130			
Chloromethane	26.6		µg/l	20.0		133	70-130			QC-1

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
LCS (5080927-BS1)				Prepared & Analyzed: 12-Aug-05						
2-Chlorotoluene	18.9		µg/l	20.0		94.5	70-130			
4-Chlorotoluene	20.7		µg/l	20.0		104	70-130			
1,2-Dibromo-3-chloropropane	16.3		µg/l	20.0		81.5	70-130			
Dibromochloromethane	17.9		µg/l	20.0		89.5	65.3-149			
1,2-Dibromoethane (EDB)	18.1		µg/l	20.0		90.5	70-130			
Dibromomethane	20.2		µg/l	20.0		101	70-130			
1,2-Dichlorobenzene	22.2		µg/l	20.0		111	70-130			
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130			
1,4-Dichlorobenzene	22.3		µg/l	20.0		112	70-130			
Dichlorodifluoromethane (Freon12)	25.2		µg/l	20.0		126	57.2-156			
1,1-Dichloroethane	20.1		µg/l	20.0		100	70-130			
1,2-Dichloroethane	20.9		µg/l	20.0		104	70-130			
1,1-Dichloroethene	20.2		µg/l	20.0		101	70-130			
cis-1,2-Dichloroethene	21.7		µg/l	20.0		108	70-130			
trans-1,2-Dichloroethene	20.2		µg/l	20.0		101	70-130			
1,2-Dichloropropane	20.1		µg/l	20.0		100	70-130			
1,3-Dichloropropane	18.6		µg/l	20.0		93.0	70-130			
2,2-Dichloropropane	13.2		µg/l	20.0		66.0	70-130			QC-2
1,1-Dichloropropene	20.0		µg/l	20.0		100	70-130			
cis-1,3-Dichloropropene	19.0		µg/l	20.0		95.0	70-130			
trans-1,3-Dichloropropene	14.5		µg/l	20.0		72.5	70-130			
Ethylbenzene	20.6		µg/l	20.0		103	70-130			
Hexachlorobutadiene	20.0		µg/l	20.0		100	70-145			
2-Hexanone (MBK)	16.1		µg/l	20.0		80.5	70-130			
Isopropylbenzene	20.8		µg/l	20.0		104	70-130			
4-Isopropyltoluene	21.1		µg/l	20.0		106	70-130			
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	20.0		µg/l	20.0		100	51.9-135			
Methylene chloride	21.2		µg/l	20.0		106	70-130			
Naphthalene	19.6		µg/l	20.0		98.0	70-130			
n-Propylbenzene	21.2		µg/l	20.0		106	70-130			
Styrene	21.1		µg/l	20.0		106	70-130			
1,1,1,2-Tetrachloroethane	18.8		µg/l	20.0		94.0	70-130			
1,1,2,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130			
Tetrachloroethene	18.4		µg/l	20.0		92.0	70-130			
Toluene	17.8		µg/l	20.0		89.0	70-130			
1,2,3-Trichlorobenzene	20.3		µg/l	20.0		102	70-130			
1,2,4-Trichlorobenzene	19.6		µg/l	20.0		98.0	70-130			
1,1,1-Trichloroethane	18.7		µg/l	20.0		93.5	70-130			
1,1,2-Trichloroethane	17.5		µg/l	20.0		87.5	70-130			
Trichloroethene	20.4		µg/l	20.0		102	70-130			
Trichlorofluoromethane (Freon 11)	21.3		µg/l	20.0		106	68.2-143			
1,2,3-Trichloropropane	20.6		µg/l	20.0		103	70-130			
1,2,4-Trimethylbenzene	20.6		µg/l	20.0		103	70-130			
1,3,5-Trimethylbenzene	20.4		µg/l	20.0		102	70-130			
Vinyl chloride	25.6		µg/l	20.0		128	70-130			
m,p-Xylene	42.1		µg/l	40.0		105	70-130			
o-Xylene	22.1		µg/l	20.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*41.7*		µg/l	*50.0*		*83.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*52.6*		µg/l	*50.0*		*105*	*70-130*			
LCS Dup (5080927-BSD1)				Prepared & Analyzed: 12-Aug-05						
Acetone	18.8		µg/l	20.0		94.0	20.7-193	2.15	50	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
LCS Dup (5080927-BSD1)				Prepared & Analyzed: 12-Aug-05						
Acrylonitrile	20.2		µg/l	20.0		101	70-130	2.51	25	
Benzene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
Bromobenzene	21.0		µg/l	20.0		105	70-130	2.82	25	
Bromochloromethane	21.1		µg/l	20.0		106	70-130	1.90	25	
Bromodichloromethane	21.0		µg/l	20.0		105	70-130	4.65	25	
Bromoform	20.7		µg/l	20.0		104	70-130	1.94	25	
Bromomethane	20.4		µg/l	20.0		102	57.7-151	0.00	50	
2-Butanone (MEK)	20.9		µg/l	20.0		104	24-153	8.52	50	
n-Butylbenzene	18.9		µg/l	20.0		94.5	70-130	4.65	25	
sec-Butylbenzene	20.9		µg/l	20.0		104	70-130	3.77	25	
tert-Butylbenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
Carbon disulfide	20.1		µg/l	20.0		100	70-130	3.92	25	
Carbon tetrachloride	16.3		µg/l	20.0		81.5	70-130	4.79	25	
Chlorobenzene	20.8		µg/l	20.0		104	70-130	0.957	25	
Chloroethane	19.2		µg/l	20.0		96.0	70-134	4.08	50	
Chloroform	19.7		µg/l	20.0		98.5	70-130	3.49	25	
Chloromethane	26.1		µg/l	20.0		130	70-130	2.28	25	
2-Chlorotoluene	18.6		µg/l	20.0		93.0	70-130	1.60	25	
4-Chlorotoluene	20.4		µg/l	20.0		102	70-130	1.94	25	
1,2-Dibromo-3-chloropropane	16.9		µg/l	20.0		84.5	70-130	3.61	25	
Dibromochloromethane	17.4		µg/l	20.0		87.0	65.3-149	2.83	50	
1,2-Dibromoethane (EDB)	18.5		µg/l	20.0		92.5	70-130	2.19	25	
Dibromomethane	19.9		µg/l	20.0		99.5	70-130	1.50	25	
1,2-Dichlorobenzene	21.4		µg/l	20.0		107	70-130	3.67	25	
1,3-Dichlorobenzene	21.4		µg/l	20.0		107	70-130	2.76	25	
1,4-Dichlorobenzene	21.5		µg/l	20.0		108	70-130	3.64	25	
Dichlorodifluoromethane (Freon12)	24.4		µg/l	20.0		122	57.2-156	3.23	50	
1,1-Dichloroethane	19.4		µg/l	20.0		97.0	70-130	3.05	25	
1,2-Dichloroethane	20.7		µg/l	20.0		104	70-130	0.00	25	
1,1-Dichloroethene	19.1		µg/l	20.0		95.5	70-130	5.60	25	
cis-1,2-Dichloroethene	20.8		µg/l	20.0		104	70-130	3.77	25	
trans-1,2-Dichloroethene	19.4		µg/l	20.0		97.0	70-130	4.04	25	
1,2-Dichloropropane	19.8		µg/l	20.0		99.0	70-130	1.01	25	
1,3-Dichloropropane	18.8		µg/l	20.0		94.0	70-130	1.07	25	
2,2-Dichloropropane	12.5		µg/l	20.0		62.5	70-130	5.45	25	QC-2
1,1-Dichloropropene	19.2		µg/l	20.0		96.0	70-130	4.08	25	
cis-1,3-Dichloropropene	18.8		µg/l	20.0		94.0	70-130	1.06	25	
trans-1,3-Dichloropropene	14.4		µg/l	20.0		72.0	70-130	0.692	25	
Ethylbenzene	21.4		µg/l	20.0		107	70-130	3.81	25	
Hexachlorobutadiene	18.8		µg/l	20.0		94.0	70-145	6.19	50	
2-Hexanone (MBK)	16.8		µg/l	20.0		84.0	70-130	4.26	25	
Isopropylbenzene	20.2		µg/l	20.0		101	70-130	2.93	25	
4-Isopropyltoluene	20.0		µg/l	20.0		100	70-130	5.83	25	
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	21.0		µg/l	20.0		105	51.9-135	4.88	50	
Methylene chloride	20.8		µg/l	20.0		104	70-130	1.90	25	
Naphthalene	20.6		µg/l	20.0		103	70-130	4.98	25	
n-Propylbenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
Styrene	21.0		µg/l	20.0		105	70-130	0.948	25	
1,1,1,2-Tetrachloroethane	18.7		µg/l	20.0		93.5	70-130	0.533	25	
1,1,2,2-Tetrachloroethane	21.8		µg/l	20.0		109	70-130	4.69	25	
Tetrachloroethene	18.1		µg/l	20.0		90.5	70-130	1.64	25	
Toluene	18.7		µg/l	20.0		93.5	70-130	4.93	25	
1,2,3-Trichlorobenzene	19.8		µg/l	20.0		99.0	70-130	2.99	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
LCS Dup (5080927-BSD1)				Prepared & Analyzed: 12-Aug-05						
1,2,4-Trichlorobenzene	19.1		µg/l	20.0		95.5	70-130	2.58	25	
1,1,1-Trichloroethane	18.3		µg/l	20.0		91.5	70-130	2.16	25	
1,1,2-Trichloroethane	17.7		µg/l	20.0		88.5	70-130	1.14	25	
Trichloroethene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
Trichlorofluoromethane (Freon 11)	20.5		µg/l	20.0		102	68.2-143	3.85	50	
1,2,3-Trichloropropane	21.0		µg/l	20.0		105	70-130	1.92	25	
1,2,4-Trimethylbenzene	22.0		µg/l	20.0		110	70-130	6.57	25	
1,3,5-Trimethylbenzene	20.5		µg/l	20.0		102	70-130	0.00	25	
Vinyl chloride	25.2		µg/l	20.0		126	70-130	1.57	25	
m,p-Xylene	46.5		µg/l	40.0		116	70-130	9.95	25	
o-Xylene	23.8		µg/l	20.0		119	70-130	7.86	25	
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*43.1*		µg/l	*50.0*		*86.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*51.8*		µg/l	*50.0*		*104*	*70-130*			
Matrix Spike (5080927-MS1)		**Source: SA32380-02**		Prepared & Analyzed: 12-Aug-05						
Benzene	20.9		µg/l	20.0	BRL	104	70-130			
Chlorobenzene	22.4		µg/l	20.0	BRL	112	70-130			
1,1-Dichloroethene	19.9		µg/l	20.0	1.00	94.5	70-130			
Toluene	18.7		µg/l	20.0	0.600	90.5	70-130			
Trichloroethene	25.4		µg/l	20.0	0.800	123	70-130			
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l	*50.0*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*41.9*		µg/l	*50.0*		*83.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*		µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5080927-MSD1)		**Source: SA32380-02**		Prepared & Analyzed: 12-Aug-05						
Benzene	20.4		µg/l	20.0	BRL	102	70-130	1.94	30	
Chlorobenzene	21.8		µg/l	20.0	BRL	109	70-130	2.71	30	
1,1-Dichloroethene	18.9		µg/l	20.0	1.00	89.5	70-130	5.43	30	
Toluene	17.8		µg/l	20.0	0.600	86.0	70-130	5.10	30	
Trichloroethene	20.5		µg/l	20.0	0.800	98.5	70-130	22.1	30	
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/l	*50.0*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*40.3*		µg/l	*50.0*		*80.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		µg/l	*50.0*		*101*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080808 - SW846 3535										
Blank (5080808-BLK1)				Prepared: 11-Aug-05 Analyzed: 15-Aug-05						
Gasoline	BRL	0.05	mg/l							
Fuel Oil #2	BRL	0.05	mg/l							
Fuel Oil #4	BRL	0.05	mg/l							
Fuel Oil #6	BRL	0.05	mg/l							
Motor Oil	BRL	0.05	mg/l							
Aviation Fuel	BRL	0.05	mg/l							
Unidentified	BRL	0.05	mg/l							
Other Oil	BRL	0.05	mg/l							
Total Petroleum Hydrocarbons	BRL	0.05	mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05	mg/l							
Surrogate: 1-Chlorooctadecane	*0.0226*		mg/l	*0.0500*		*45.2*	*40-140*			
LCS (5080808-BS1)				Prepared: 11-Aug-05 Analyzed: 15-Aug-05						
C9-C36 Aliphatic Hydrocarbons	0.9	0.05	mg/l	1.40		64.3	40-140			
Surrogate: 1-Chlorooctadecane	*0.0276*		mg/l	*0.0500*		*55.2*	*40-140*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080821 - EPA 200 Series										
Blank (5080821-BLK1)				Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	BRL	0.0025	mg/l							
LCS (5080821-BS1)				Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	0.0936	0.0025	mg/l	0.100		93.6	85-115			
Duplicate (5080821-DUP1)		**Source: SA31919-01**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	BRL	0.0025	mg/l		BRL				20	
Duplicate (5080821-DUP2)		**Source: SA32290-03**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	BRL	0.0025	mg/l		BRL				20	
Matrix Spike (5080821-MS1)		**Source: SA32145-02**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	0.0910	0.0025	mg/l	0.100	0.0023	88.7	70-130			
Matrix Spike (5080821-MS2)		**Source: SA32380-03**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	0.0924	0.0025	mg/l	0.100	BRL	92.4	70-130			
Matrix Spike Dup (5080821-MSD1)		**Source: SA32145-02**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	0.0920	0.0025	mg/l	0.100	0.0023	89.7	70-130	1.09	25	
Matrix Spike Dup (5080821-MSD2)		**Source: SA32380-03**		Prepared: 12-Aug-05 Analyzed: 13-Aug-05						
Lead	0.0947	0.0025	mg/l	0.100	BRL	94.7	70-130	2.46	25	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080968 - General Preparation										
Blank (5080968-BLK1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	BRL	0.0100	mg/l							
LCS (5080968-BS1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.310	0.0100	mg/l	0.300		103	90-110			
Matrix Spike (5080968-MS1)		**Source: SA32209-02**		Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.295	0.0100	mg/l	0.300	BRL	98.3	75-125			
Matrix Spike Dup (5080968-MSD1)		**Source: SA32209-02**		Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.290	0.0100	mg/l	0.300	BRL	96.7	75-125	1.71	20	
Reference (5080968-SRM1)				Prepared & Analyzed: 12-Aug-05						
Cyanide (total)	0.327	0.0100	mg/l	0.333		98.2	75.7-125			

Notes and Definitions

QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA32[illegible] D M

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

MW#5011231

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 DAYS
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: Consulting Env. Engineers
100 Shield Street
West Hartford, CT 06110

Project Mgr.: Meg Winfield

Invoice To: Consulting Env. Engineers
100 Shield Street
West Hartford, CT 06110

P.O. No.: _____ RQN: _____

Project No.: 2005.045
Site Name: Meriden HUB
Location: Meriden State: CT
Sampler(s): Joe Perko / Megan Fay

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs by 8260	CT ETPH	Total Lead	Total Cyanide				
A32360001	JTP050810-09	8/10/05	0950	G	GW	2,4,5	2	1		2		X	X	X	X				
02	-10		1145			↓		↓		↓		X	X	X	X				
03	-11		1200			2						X							
04	-12		1310			2,4,5		1		2		X	X	X	X				
05	-13		1425			↓		↓		↓		X	X	X	X				

QA Reporting Notes:
(check if needed)

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

*1 Spectrum prepared trip Blank Included *

☐ Fax results when available to (____) _____
☐ E-mail to mwinfield@cee.net
EDD Format pdf

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4 [illegible]

Relinquished by:	Received by:	Date:	Time:
[signature]	CEE Fridge	8/10/05	1530
CEE Fridge JTP	[signature]	8/11/05	1040
[signature]	[signature]	8/11/05	1415

Report Date:
16-Aug-05 15:36

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: Meriden HUB - Meriden, CT
Project #: 2005-045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA32360-01	JTP050810-09	Ground Water	10-Aug-05 09:50	11-Aug-05 14:15
SA32360-02	JTP050810-10	Ground Water	10-Aug-05 11:45	11-Aug-05 14:15
SA32360-03	JTP050810-11	Ground Water	10-Aug-05 12:00	11-Aug-05 14:15
SA32360-04	JTP050810-12	Ground Water	10-Aug-05 13:10	11-Aug-05 14:15
SA32360-05	JTP050810-13	Ground Water	10-Aug-05 14:25	11-Aug-05 14:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 23 pages of analytical data plus Chain of Custody document(s).
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Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-09 SA32360-01	2005-045	Ground Water	10-Aug-05 09:50	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-09 SA32360-01	2005-045	Ground Water	10-Aug-05 09:50	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method		SW846 5030 Water MS					
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.8	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	1.9	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method		SW846 3535					
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	12-Aug-05	15-Aug-05	5080908	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	0.1	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	Calculated as	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	0.1	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	0.1	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*62.0*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0185 mg/l	1	EPA 200.7	15-Aug-05	15-Aug-05	5080937	HB	
General Chemistry Parameters										

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-09 SA32360-01	2005-045	Ground Water	10-Aug-05 09:50	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	2.8	2.0 µg/l	1	"	"	"	"	"	
[illegible]-47-6	o-Xylene	1.9	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	12-Aug-05	15-Aug-05	5080908	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	0.1	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	Calculated as	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	0.1	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	0.1	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*62.0*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
[illegible]39-92-1	Lead	BRL	0.0185 mg/l	1	EPA 200.7	15-Aug-05	15-Aug-05	5080937	HB	
General Chemistry Parameters										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-09 SA32360-01	2005-045	Ground Water	10-Aug-05 09:50	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	15-Aug-05	15-Aug-05	5081184	YV	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-10 SA32360-02	2005-045	Ground Water	10-Aug-05 11:45	11-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-10 SA32360-02	2005-045	Ground Water	10-Aug-05 11:45	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.2*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	12-Aug-05	15-Aug-05	5080908	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*63.4*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0185 mg/l	1	EPA 200.7	15-Aug-05	15-Aug-05	5080937	HB	
General Chemistry Parameters										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-10 SA32360-02	2005-045	Ground Water	10-Aug-05 11:45	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	15-Aug-05	15-Aug-05	5081184	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-11 SA32360-03	2005-045	Ground Water	10-Aug-05 12:00	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-11 SA32360-03	2005-045	Ground Water	10-Aug-05 12:00	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*86.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-12 SA32360-04	2005-045	Ground Water	10-Aug-05 13:10	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	20.9	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	2.6	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-12 SA32360-04	2005-045	Ground Water	10-Aug-05 13:10	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method		SW846 5030 Water MS					
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	5.4	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	8.3	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.4*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method		SW846 3535					
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	12-Aug-05	15-Aug-05	5080908	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*69.2*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0185 mg/l	1	EPA 200.7	15-Aug-05	15-Aug-05	5080937	HB	
General Chemistry Parameters										

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-12 SA32360-04	2005-045	Ground Water	10-Aug-05 13:10	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	0.0494	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	15-Aug-05	15-Aug-05	5081184	YV	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-13 SA32360-05	2005-045	Ground Water	10-Aug-05 14:25	11-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
[illegible]34-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-13 SA32360-05	2005-045	Ground Water	10-Aug-05 14:25	11-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	12-Aug-05	12-Aug-05	5080927	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.4*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*85.4*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	12-Aug-05	15-Aug-05	5080908	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*63.5*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0185 mg/l	1	EPA 200.7	15-Aug-05	15-Aug-05	5080937	HB	
General Chemistry Parameters										

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050810-13 SA32360-05	2005-045	Ground Water	10-Aug-05 14:25	11-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	15-Aug-05	15-Aug-05	5081184	YV	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
Blank (5080927-BLK1)				Prepared & Analyzed: 12-Aug-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
Blank (5080927-BLK1)				Prepared & Analyzed: 12-Aug-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*38.2*		µg/l	*50.0*		*76.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/l	*50.0*		*96.4*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		µg/l	*50.0*		*103*	*70-130*			
LCS (5080927-BS1)				Prepared & Analyzed: 12-Aug-05						
Acetone	18.4		µg/l	20.0		92.0	20.7-193			
Acrylonitrile	19.7		µg/l	20.0		98.5	70-130			
Benzene	20.5		µg/l	20.0		102	70-130			
Bromobenzene	21.6		µg/l	20.0		108	70-130			
Bromochloromethane	20.8		µg/l	20.0		104	70-130			
Bromodichloromethane	22.0		µg/l	20.0		110	70-130			
Bromoform	20.4		µg/l	20.0		102	70-130			
Bromomethane	20.5		µg/l	20.0		102	57.7-151			
2-Butanone (MEK)	19.1		µg/l	20.0		95.5	24-153			
n-Butylbenzene	19.8		µg/l	20.0		99.0	70-130			
sec-Butylbenzene	21.5		µg/l	20.0		108	70-130			
tert-Butylbenzene	21.2		µg/l	20.0		106	70-130			
Carbon disulfide	20.8		µg/l	20.0		104	70-130			
Carbon tetrachloride	17.1		µg/l	20.0		85.5	70-130			
Chlorobenzene	21.0		µg/l	20.0		105	70-130			
Chloroethane	20.1		µg/l	20.0		100	70-134			
Chloroform	20.4		µg/l	20.0		102	70-130			
Chloromethane	26.6		µg/l	20.0		133	70-130			QC-1
2-Chlorotoluene	18.9		µg/l	20.0		94.5	70-130			
4-Chlorotoluene	20.7		µg/l	20.0		104	70-130			
1,2-Dibromo-3-chloropropane	16.3		µg/l	20.0		81.5	70-130			
Dibromochloromethane	17.9		µg/l	20.0		89.5	65.3-149			
1,2-Dibromoethane (EDB)	18.1		µg/l	20.0		90.5	70-130			
Dibromomethane	20.2		µg/l	20.0		101	70-130			
1,2-Dichlorobenzene	22.2		µg/l	20.0		111	70-130			
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130			
1,4-Dichlorobenzene	22.3		µg/l	20.0		112	70-130			
Dichlorodifluoromethane (Freon12)	25.2		µg/l	20.0		126	57.2-156			
1,1-Dichloroethane	20.1		µg/l	20.0		100	70-130			
1,2-Dichloroethane	20.9		µg/l	20.0		104	70-130			
1,1-Dichloroethene	20.2		µg/l	20.0		101	70-130			
cis-1,2-Dichloroethene	21.7		µg/l	20.0		108	70-130			
trans-1,2-Dichloroethene	20.2		µg/l	20.0		101	70-130			
1,2-Dichloropropane	20.1		µg/l	20.0		100	70-130			
3-Dichloropropane	18.6		µg/l	20.0		93.0	70-130			
2,2-Dichloropropane	13.2		µg/l	20.0		66.0	70-130			QC-2
1,1-Dichloropropene	20.0		µg/l	20.0		100	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
LCS (5080927-BS1)				Prepared & Analyzed: 12-Aug-05						
cis-1,3-Dichloropropene	19.0		µg/l	20.0		95.0	70-130			
trans-1,3-Dichloropropene	14.5		µg/l	20.0		72.5	70-130			
Ethylbenzene	20.6		µg/l	20.0		103	70-130			
Hexachlorobutadiene	20.0		µg/l	20.0		100	70-145			
2-Hexanone (MBK)	16.1		µg/l	20.0		80.5	70-130			
Isopropylbenzene	20.8		µg/l	20.0		104	70-130			
4-Isopropyltoluene	21.1		µg/l	20.0		106	70-130			
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	20.0		µg/l	20.0		100	51.9-135			
Methylene chloride	21.2		µg/l	20.0		106	70-130			
Naphthalene	19.6		µg/l	20.0		98.0	70-130			
n-Propylbenzene	21.2		µg/l	20.0		106	70-130			
Styrene	21.1		µg/l	20.0		106	70-130			
1,1,1,2-Tetrachloroethane	18.8		µg/l	20.0		94.0	70-130			
1,1,2,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130			
Tetrachloroethene	18.4		µg/l	20.0		92.0	70-130			
Toluene	17.8		µg/l	20.0		89.0	70-130			
1,2,3-Trichlorobenzene	20.3		µg/l	20.0		102	70-130			
1,2,4-Trichlorobenzene	19.6		µg/l	20.0		98.0	70-130			
1,1,1-Trichloroethane	18.7		µg/l	20.0		93.5	70-130			
1,1,2-Trichloroethane	17.5		µg/l	20.0		87.5	70-130			
Trichloroethene	20.4		µg/l	20.0		102	70-130			
Trichlorofluoromethane (Freon 11)	21.3		µg/l	20.0		106	68.2-143			
1,2,3-Trichloropropane	20.6		µg/l	20.0		103	70-130			
1,2,4-Trimethylbenzene	20.6		µg/l	20.0		103	70-130			
1,3,5-Trimethylbenzene	20.4		µg/l	20.0		102	70-130			
Vinyl chloride	25.6		µg/l	20.0		128	70-130			
m,p-Xylene	42.1		µg/l	40.0		105	70-130			
o-Xylene	22.1		µg/l	20.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*41.7*		µg/l	*50.0*		*83.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*52.6*		µg/l	*50.0*		*105*	*70-130*			
LCS Dup (5080927-BSD1)				Prepared & Analyzed: 12-Aug-05						
Acetone	18.8		µg/l	20.0		94.0	20.7-193	2.15	50	
Acrylonitrile	20.2		µg/l	20.0		101	70-130	2.51	25	
Benzene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
Bromobenzene	21.0		µg/l	20.0		105	70-130	2.82	25	
Bromochloromethane	21.1		µg/l	20.0		106	70-130	1.90	25	
Bromodichloromethane	21.0		µg/l	20.0		105	70-130	4.65	25	
Bromoform	20.7		µg/l	20.0		104	70-130	1.94	25	
Bromomethane	20.4		µg/l	20.0		102	57.7-151	0.00	50	
2-Butanone (MEK)	20.9		µg/l	20.0		104	24-153	8.52	50	
n-Butylbenzene	18.9		µg/l	20.0		94.5	70-130	4.65	25	
sec-Butylbenzene	20.9		µg/l	20.0		104	70-130	3.77	25	
tert-Butylbenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
Carbon disulfide	20.1		µg/l	20.0		100	70-130	3.92	25	
Carbon tetrachloride	16.3		µg/l	20.0		81.5	70-130	4.79	25	
Chlorobenzene	20.8		µg/l	20.0		104	70-130	0.957	25	
Chloroethane	19.2		µg/l	20.0		96.0	70-134	4.08	50	
Chloroform	19.7		µg/l	20.0		98.5	70-130	3.49	25	
Chloromethane	26.1		µg/l	20.0		130	70-130	2.28	25	
2-Chlorotoluene	18.6		µg/l	20.0		93.0	70-130	1.60	25	
4-Chlorotoluene	20.4		µg/l	20.0		102	70-130	1.94	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS										
LCS Dup (5080927-BSD1)				Prepared & Analyzed: 12-Aug-05						
1,2-Dibromo-3-chloropropane	16.9		µg/l	20.0		84.5	70-130	3.61	25	
Dibromochloromethane	17.4		µg/l	20.0		87.0	65.3-149	2.83	50	
1,2-Dibromoethane (EDB)	18.5		µg/l	20.0		92.5	70-130	2.19	25	
Dibromomethane	19.9		µg/l	20.0		99.5	70-130	1.50	25	
1,2-Dichlorobenzene	21.4		µg/l	20.0		107	70-130	3.67	25	
1,3-Dichlorobenzene	21.4		µg/l	20.0		107	70-130	2.76	25	
1,4-Dichlorobenzene	21.5		µg/l	20.0		108	70-130	3.64	25	
Dichlorodifluoromethane (Freon12)	24.4		µg/l	20.0		122	57.2-156	3.23	50	
1,1-Dichloroethane	19.4		µg/l	20.0		97.0	70-130	3.05	25	
1,2-Dichloroethane	20.7		µg/l	20.0		104	70-130	0.00	25	
1,1-Dichloroethene	19.1		µg/l	20.0		95.5	70-130	5.60	25	
cis-1,2-Dichloroethene	20.8		µg/l	20.0		104	70-130	3.77	25	
trans-1,2-Dichloroethene	19.4		µg/l	20.0		97.0	70-130	4.04	25	
1,2-Dichloropropane	19.8		µg/l	20.0		99.0	70-130	1.01	25	
1,3-Dichloropropane	18.8		µg/l	20.0		94.0	70-130	1.07	25	
2,2-Dichloropropane	12.5		µg/l	20.0		62.5	70-130	5.45	25	QC-2
1,1-Dichloropropene	19.2		µg/l	20.0		96.0	70-130	4.08	25	
cis-1,3-Dichloropropene	18.8		µg/l	20.0		94.0	70-130	1.06	25	
trans-1,3-Dichloropropene	14.4		µg/l	20.0		72.0	70-130	0.692	25	
Ethylbenzene	21.4		µg/l	20.0		107	70-130	3.81	25	
Hexachlorobutadiene	18.8		µg/l	20.0		94.0	70-145	6.19	50	
2-Hexanone (MBK)	16.8		µg/l	20.0		84.0	70-130	4.26	25	
Isopropylbenzene	20.2		µg/l	20.0		101	70-130	2.93	25	
4-Isopropyltoluene	20.0		µg/l	20.0		100	70-130	5.83	25	
Methyl tert-butyl ether	18.0		µg/l	20.0		90.0	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	21.0		µg/l	20.0		105	51.9-135	4.88	50	
Methylene chloride	20.8		µg/l	20.0		104	70-130	1.90	25	
Naphthalene	20.6		µg/l	20.0		103	70-130	4.98	25	
n-Propylbenzene	20.7		µg/l	20.0		104	70-130	1.90	25	
Styrene	21.0		µg/l	20.0		105	70-130	0.948	25	
1,1,1,2-Tetrachloroethane	18.7		µg/l	20.0		93.5	70-130	0.533	25	
1,1,2,2-Tetrachloroethane	21.8		µg/l	20.0		109	70-130	4.69	25	
Tetrachloroethene	18.1		µg/l	20.0		90.5	70-130	1.64	25	
Toluene	18.7		µg/l	20.0		93.5	70-130	4.93	25	
1,2,3-Trichlorobenzene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
1,2,4-Trichlorobenzene	19.1		µg/l	20.0		95.5	70-130	2.58	25	
1,1,1-Trichloroethane	18.3		µg/l	20.0		91.5	70-130	2.16	25	
1,1,2-Trichloroethane	17.7		µg/l	20.0		88.5	70-130	1.14	25	
Trichloroethene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
Trichlorofluoromethane (Freon 11)	20.5		µg/l	20.0		102	68.2-143	3.85	50	
1,2,3-Trichloropropane	21.0		µg/l	20.0		105	70-130	1.92	25	
1,2,4-Trimethylbenzene	22.0		µg/l	20.0		110	70-130	6.57	25	
1,3,5-Trimethylbenzene	20.5		µg/l	20.0		102	70-130	0.00	25	
Vinyl chloride	25.2		µg/l	20.0		126	70-130	1.57	25	
m,p-Xylene	46.5		µg/l	40.0		116	70-130	9.95	25	
o-Xylene	23.8		µg/l	20.0		119	70-130	7.86	25	
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*43.1*		µg/l	*50.0*		*86.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*51.8*		µg/l	*50.0*		*104*	*70-130*			
Matrix Spike (5080927-MS1)		**Source: SA32380-02**		Prepared & Analyzed: 12-Aug-05						
Benzene	20.9		µg/l	20.0	BRL	104	70-130			
Chlorobenzene	22.4		µg/l	20.0	BRL	112	70-130			
1,1-Dichloroethene	19.9		µg/l	20.0	1.00	94.5	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080927 - SW846 5030 Water MS									
Matrix Spike (5080927-MS1)		**Source: SA32380-02**	Prepared & Analyzed: 12-Aug-05						
Toluene	18.7	µg/l	20.0	0.600	90.5	70-130			
Trichloroethene	25.4	µg/l	20.0	0.800	123	70-130			
Surrogate: 4-Bromofluorobenzene	*48.7*	µg/l	*50.0*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*41.9*	µg/l	*50.0*		*83.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*	µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*51.7*	µg/l	*50.0*		*103*	*70-130*			
Matrix Spike Dup (5080927-MSD1)		**Source: SA32380-02**	Prepared & Analyzed: 12-Aug-05						
Benzene	20.4	µg/l	20.0	BRL	102	70-130	1.94	30	
Chlorobenzene	21.8	µg/l	20.0	BRL	109	70-130	2.71	30	
1,1-Dichloroethene	18.9	µg/l	20.0	1.00	89.5	70-130	5.43	30	
Toluene	17.8	µg/l	20.0	0.600	86.0	70-130	5.10	30	
Trichloroethene	20.5	µg/l	20.0	0.800	98.5	70-130	22.1	30	
Surrogate: 4-Bromofluorobenzene	*49.1*	µg/l	*50.0*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*40.3*	µg/l	*50.0*		*80.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.4*	µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*	µg/l	*50.0*		*101*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080908 - SW846 3535									
Blank (5080908-BLK1)			Prepared: 12-Aug-05 Analyzed: 15-Aug-05						
Gasoline	BRL	0.05 mg/l							
Fuel Oil #2	BRL	0.05 mg/l							
Fuel Oil #4	BRL	0.05 mg/l							
Fuel Oil #6	BRL	0.05 mg/l							
Motor Oil	BRL	0.05 mg/l							
Aviation Fuel	BRL	0.05 mg/l							
Unidentified	BRL	0.05 mg/l							
Other Oil	BRL	0.05 mg/l							
Total Petroleum Hydrocarbons	BRL	0.05 mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05 mg/l							
Surrogate: 1-Chlorooctadecane	*0.0318*	mg/l	*0.0500*		*63.6*	*40-140*			
LCS (5080908-BS1)			Prepared: 12-Aug-05 Analyzed: 15-Aug-05						
C9-C36 Aliphatic Hydrocarbons	1.2	0.05 mg/l	1.40		85.7	40-140			
Surrogate: 1-Chlorooctadecane	*0.0329*	mg/l	*0.0500*		*65.8*	*40-140*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5080937 - EPA 200 Series									
Blank (5080937-BLK1)			Prepared & Analyzed: 15-Aug-05						
Lead	BRL	0.0185 mg/l							
LCS (5080937-BS1)			Prepared & Analyzed: 15-Aug-05						
Lead	0.0936	0.0185 mg/l	0.100		93.6	85-115			
Duplicate (5080937-DUP1)		**Source: SA32204-02**	Prepared & Analyzed: 15-Aug-05						
Lead	BRL	0.0185 mg/l		0.0182			28.9	20	QR-04
Duplicate (5080937-DUP2)		**Source: SA32360-04**	Prepared & Analyzed: 15-Aug-05						
Lead	BRL	0.0185 mg/l		0.0037				20	
Matrix Spike (5080937-MS1)		**Source: SA32269-03**	Prepared & Analyzed: 15-Aug-05						
Lead	0.0870	0.0185 mg/l	0.100	0.0050	82.0	70-130			
Matrix Spike (5080937-MS2)		**Source: SA32404-02**	Prepared & Analyzed: 15-Aug-05						
Lead	0.0918	0.0185 mg/l	0.100	BRL	91.8	70-130			
Matrix Spike Dup (5080937-MSD1)		**Source: SA32269-03**	Prepared & Analyzed: 15-Aug-05						
Lead	0.0909	0.0185 mg/l	0.100	0.0050	85.9	70-130	4.38	20	
Matrix Spike Dup (5080937-MSD2)		**Source: SA32404-02**	Prepared & Analyzed: 15-Aug-05						
Lead	0.0893	0.0185 mg/l	0.100	BRL	89.3	70-130	2.76	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081184 - General Preparation									
Blank (5081184-BLK1)			Prepared & Analyzed: 15-Aug-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5081184-BS1)			Prepared & Analyzed: 15-Aug-05						
Cyanide (total)	0.308	0.0100 mg/l	0.300		103	90-110			
Matrix Spike (5081184-MS1)		**Source: SA32360-01**	Prepared & Analyzed: 15-Aug-05						
Cyanide (total)	0.326	0.0100 mg/l	0.300	BRL	109	75-125			
Matrix Spike Dup (5081184-MSD1)		**Source: SA32360-01**	Prepared & Analyzed: 15-Aug-05						
Cyanide (total)	0.330	0.0100 mg/l	0.300	BRL	110	75-125	1.22	20	
Reference (5081184-SRM1)			Prepared & Analyzed: 15-Aug-05						
Cyanide (total)	0.333	0.0100 mg/l	0.333		100	75.7-125			

Notes and Definitions

*TPH	Calculated as
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA 32512

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAYS
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Consulting Env. Engineers, 100 Shield Street, West Hartford, CT 06110
Project Mgr.: Meg Winfield

Invoice To: Consulting Env. Engineers, 100 Shield Street, West Hartford, CT 06110, IW#5011232
P.O. No.: ____ RQN: ____

Project No.: 2005.045
Site Name: Meriden HUB
Location: Meriden State: CT
Sampler(s): Joe Perko / Megan Fox

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=____ 10=____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=____ X2=____ X3=____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs by 8260	CT ETPH	Total Lead	Total Cyanide				
32512-01	JTB050812-14	8/12/05	1010	G	GW	2,4,5	2	1		2	X	X	X	X				
↓ -02	↓ -15	↓	0945	↓	↓	2	↓	1										

QA Reporting Notes: (check if needed)
State specific reporting standards *If applicable, please list below.*
☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

#1 Spectrum Prepared Trip Blank Included #

☐ Fax results when available to (____) ____
☐ E-mail to mwinfield@cee.net
EDD Format pdf
Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4

Relinquished by:	Received by:	Date:	Time:
Joseph T. Perko III	CEE Fridge	8/15/05	0010
CEE Fridge	[signature]	8/15/05	1430
[signature]	[signature]	8/15/05	1655

Report Date:
18-Aug-05 16:58

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: Meriden HUB - Meriden, CT
Project #: 2005-045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA32512-01	JTP050812-14	Ground Water	12-Aug-05 10:10	15-Aug-05 16:55
SA32512-02	JTP050812-15	Ground Water	12-Aug-05 09:45	15-Aug-05 16:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050812-14 SA32512-01	2005-045	Ground Water	12-Aug-05 10:10	15-Aug-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	17-Aug-05	18-Aug-05	5081311	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050812-14 SA32512-01	2005-045	Ground Water	12-Aug-05 10:10	15-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	17-Aug-05	18-Aug-05	5081311	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96.4*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98.6*	*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons										
Extractable Total Petroleum Hydrocarbons			Prepared by method SW846 3535							
8006-61-9	Gasoline	BRL	0.1 mg/l	1	+CT ETPH	16-Aug-05	18-Aug-05	5081141	KG	
68476-30-2	Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
M09800000	Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
	Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
	Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
Surrogate recoveries:										
3386-33-2	*1-Chlorooctadecane*	*45.4*	*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	17-Aug-05	17-Aug-05	5081076	RE	
eneral Chemistry Parameters										

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050812-14 SA32512-01	2005-045	Ground Water	12-Aug-05 10:10	15-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	16-Aug-05	17-Aug-05	5081367	YV	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050812-15 SA32512-02	2005-045	Ground Water	12-Aug-05 09:45	15-Aug-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	17-Aug-05	18-Aug-05	5081311	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
JTP050812-15 SA32512-02	2005-045	Ground Water	12-Aug-05 09:45	15-Aug-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	17-Aug-05	18-Aug-05	5081311	RLJ	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95.6*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99.0*	*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081311 - SW846 5030 Water MS										
Blank (5081311-BLK1)				Prepared & Analyzed: 17-Aug-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081311 - SW846 5030 Water MS									
Blank (5081311-BLK1)			Prepared & Analyzed: 17-Aug-05						
1,2,3-Trichlorobenzene	BRL	1.0 µg/l							
1,2,4-Trichlorobenzene	BRL	1.0 µg/l							
1,1,1-Trichloroethane	BRL	1.0 µg/l							
1,1,2-Trichloroethane	BRL	1.0 µg/l							
Trichloroethene	BRL	1.0 µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l							
1,2,3-Trichloropropane	BRL	1.0 µg/l							
1,2,4-Trimethylbenzene	BRL	1.0 µg/l							
1,3,5-Trimethylbenzene	BRL	1.0 µg/l							
Vinyl chloride	BRL	1.0 µg/l							
m,p-Xylene	BRL	2.0 µg/l							
o-Xylene	BRL	1.0 µg/l							
Surrogate: 4-Bromofluorobenzene	*52.2*	µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*47.8*	µg/l	*50.0*		*95.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.9*	µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*	µg/l	*50.0*		*102*	*70-130*			
LCS (5081311-BS1)			Prepared & Analyzed: 17-Aug-05						
Acetone	23.7	µg/l	20.0		118	20.7-193			
Acrylonitrile	21.3	µg/l	20.0		106	70-130			
Benzene	19.2	µg/l	20.0		96.0	70-130			
Bromobenzene	21.9	µg/l	20.0		110	70-130			
Bromochloromethane	20.0	µg/l	20.0		100	70-130			
Bromodichloromethane	20.3	µg/l	20.0		102	70-130			
Bromoform	22.2	µg/l	20.0		111	70-130			
Bromomethane	19.9	µg/l	20.0		99.5	57.7-151			
2-Butanone (MEK)	20.9	µg/l	20.0		104	24-153			
n-Butylbenzene	19.8	µg/l	20.0		99.0	70-130			
sec-Butylbenzene	22.1	µg/l	20.0		110	70-130			
tert-Butylbenzene	22.2	µg/l	20.0		111	70-130			
Carbon disulfide	18.7	µg/l	20.0		93.5	70-130			
Carbon tetrachloride	18.7	µg/l	20.0		93.5	70-130			
Chlorobenzene	21.6	µg/l	20.0		108	70-130			
Chloroethane	18.8	µg/l	20.0		94.0	70-134			
Chloroform	18.7	µg/l	20.0		93.5	70-130			
Chloromethane	19.5	µg/l	20.0		97.5	70-130			
2-Chlorotoluene	21.4	µg/l	20.0		107	70-130			
4-Chlorotoluene	21.8	µg/l	20.0		109	70-130			
1,2-Dibromo-3-chloropropane	21.4	µg/l	20.0		107	70-130			
Dibromochloromethane	19.6	µg/l	20.0		98.0	65.3-149			
1,2-Dibromoethane (EDB)	20.3	µg/l	20.0		102	70-130			
Dibromomethane	20.1	µg/l	20.0		100	70-130			
1,2-Dichlorobenzene	21.3	µg/l	20.0		106	70-130			
1,3-Dichlorobenzene	22.2	µg/l	20.0		111	70-130			
1,4-Dichlorobenzene	20.6	µg/l	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	19.0	µg/l	20.0		95.0	57.2-156			
1,1-Dichloroethane	19.8	µg/l	20.0		99.0	70-130			
1,2-Dichloroethane	19.8	µg/l	20.0		99.0	70-130			
1,1-Dichloroethene	18.7	µg/l	20.0		93.5	70-130			
cis-1,2-Dichloroethene	20.1	µg/l	20.0		100	70-130			
trans-1,2-Dichloroethene	19.5	µg/l	20.0		97.5	70-130			
1,2-Dichloropropane	19.3	µg/l	20.0		96.5	70-130			
1,3-Dichloropropane	19.4	µg/l	20.0		97.0	70-130			
2,2-Dichloropropane	19.8	µg/l	20.0		99.0	70-130			
1,1-Dichloropropene	18.9	µg/l	20.0		94.5	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081311 - SW846 5030 Water MS										
LCS (5081311-BS1)				Prepared & Analyzed: 17-Aug-05						
cis-1,3-Dichloropropene	19.9		µg/l	20.0		99.5	70-130			
trans-1,3-Dichloropropene	20.8		µg/l	20.0		104	70-130			
Ethylbenzene	20.6		µg/l	20.0		103	70-130			
Hexachlorobutadiene	20.1		µg/l	20.0		100	70-145			
2-Hexanone (MBK)	19.7		µg/l	20.0		98.5	70-130			
Isopropylbenzene	20.3		µg/l	20.0		102	70-130			
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130			
Methyl tert-butyl ether	20.4		µg/l	20.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	19.3		µg/l	20.0		96.5	51.9-135			
Methylene chloride	20.1		µg/l	20.0		100	70-130			
Naphthalene	21.4		µg/l	20.0		107	70-130			
n-Propylbenzene	22.1		µg/l	20.0		110	70-130			
Styrene	22.6		µg/l	20.0		113	70-130			
1,1,1,2-Tetrachloroethane	21.2		µg/l	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	20.7		µg/l	20.0		104	70-130			
Tetrachloroethene	19.0		µg/l	20.0		95.0	70-130			
Toluene	18.0		µg/l	20.0		90.0	70-130			
1,2,3-Trichlorobenzene	20.9		µg/l	20.0		104	70-130			
1,2,4-Trichlorobenzene	20.7		µg/l	20.0		104	70-130			
1,1,1-Trichloroethane	19.1		µg/l	20.0		95.5	70-130			
1,1,2-Trichloroethane	20.4		µg/l	20.0		102	70-130			
Trichloroethene	19.0		µg/l	20.0		95.0	70-130			
Trichlorofluoromethane (Freon 11)	19.3		µg/l	20.0		96.5	68.2-143			
1,2,3-Trichloropropane	21.5		µg/l	20.0		108	70-130			
1,2,4-Trimethylbenzene	21.2		µg/l	20.0		106	70-130			
1,3,5-Trimethylbenzene	21.7		µg/l	20.0		108	70-130			
Vinyl chloride	19.3		µg/l	20.0		96.5	70-130			
m,p-Xylene	40.7		µg/l	40.0		102	70-130			
o-Xylene	22.4		µg/l	20.0		112	70-130			
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*47.0*		µg/l	*50.0*		*94.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.9*		µg/l	*50.0*		*99.8*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		µg/l	*50.0*		*101*	*70-130*			
LCS Dup (5081311-BSD1)				Prepared & Analyzed: 17-Aug-05						
Acetone	23.2		µg/l	20.0		116	20.7-193	1.71	50	
Acrylonitrile	21.4		µg/l	20.0		107	70-130	0.939	25	
Benzene	18.8		µg/l	20.0		94.0	70-130	2.11	25	
Bromobenzene	21.8		µg/l	20.0		109	70-130	0.913	25	
Bromochloromethane	19.6		µg/l	20.0		98.0	70-130	2.02	25	
Bromodichloromethane	20.0		µg/l	20.0		100	70-130	1.98	25	
Bromoform	22.4		µg/l	20.0		112	70-130	0.897	25	
Bromomethane	18.1		µg/l	20.0		90.5	57.7-151	9.47	50	
2-Butanone (MEK)	21.7		µg/l	20.0		108	24-153	3.77	50	
n-Butylbenzene	19.7		µg/l	20.0		98.5	70-130	0.506	25	
sec-Butylbenzene	21.6		µg/l	20.0		108	70-130	1.83	25	
tert-Butylbenzene	21.8		µg/l	20.0		109	70-130	1.82	25	
Carbon disulfide	17.7		µg/l	20.0		88.5	70-130	5.49	25	
Carbon tetrachloride	17.9		µg/l	20.0		89.5	70-130	4.37	25	
Chlorobenzene	21.3		µg/l	20.0		106	70-130	1.87	25	
Chloroethane	18.6		µg/l	20.0		93.0	70-134	1.07	50	
Chloroform	18.2		µg/l	20.0		91.0	70-130	2.71	25	
Chloromethane	18.8		µg/l	20.0		94.0	70-130	3.66	25	
2-Chlorotoluene	21.6		µg/l	20.0		108	70-130	0.930	25	
4-Chlorotoluene	21.2		µg/l	20.0		106	70-130	2.79	25	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081311 - SW846 5030 Water MS										
LCS Dup (5081311-BSD1)				Prepared & Analyzed: 17-Aug-05						
1,2-Dibromo-3-chloropropane	21.3		µg/l	20.0		106	70-130	0.939	25	
Dibromochloromethane	19.9		µg/l	20.0		99.5	65.3-149	1.52	50	
1,2-Dibromoethane (EDB)	20.0		µg/l	20.0		100	70-130	1.98	25	
Dibromomethane	20.0		µg/l	20.0		100	70-130	0.00	25	
1,2-Dichlorobenzene	21.0		µg/l	20.0		105	70-130	0.948	25	
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130	0.905	25	
1,4-Dichlorobenzene	20.6		µg/l	20.0		103	70-130	0.00	25	
Dichlorodifluoromethane (Freon12)	18.2		µg/l	20.0		91.0	57.2-156	4.30	50	
1,1-Dichloroethane	19.2		µg/l	20.0		96.0	70-130	3.08	25	
1,2-Dichloroethane	19.4		µg/l	20.0		97.0	70-130	2.04	25	
1,1-Dichloroethene	17.9		µg/l	20.0		89.5	70-130	4.37	25	
cis-1,2-Dichloroethene	20.0		µg/l	20.0		100	70-130	0.00	25	
trans-1,2-Dichloroethene	18.6		µg/l	20.0		93.0	70-130	4.72	25	
1,2-Dichloropropane	19.1		µg/l	20.0		95.5	70-130	1.04	25	
1,3-Dichloropropane	19.1		µg/l	20.0		95.5	70-130	1.56	25	
2,2-Dichloropropane	19.0		µg/l	20.0		95.0	70-130	4.12	25	
1,1-Dichloropropene	18.6		µg/l	20.0		93.0	70-130	1.60	25	
cis-1,3-Dichloropropene	19.1		µg/l	20.0		95.5	70-130	4.10	25	
trans-1,3-Dichloropropene	20.4		µg/l	20.0		102	70-130	1.94	25	
Ethylbenzene	20.3		µg/l	20.0		102	70-130	0.976	25	
Hexachlorobutadiene	19.0		µg/l	20.0		95.0	70-145	5.13	50	
2-Hexanone (MBK)	19.4		µg/l	20.0		97.0	70-130	1.53	25	
Isopropylbenzene	20.0		µg/l	20.0		100	70-130	1.98	25	
4-Isopropyltoluene	20.9		µg/l	20.0		104	70-130	2.84	25	
Methyl tert-butyl ether	20.0		µg/l	20.0		100	70-130	1.98	25	
4-Methyl-2-pentanone (MIBK)	19.1		µg/l	20.0		95.5	51.9-135	1.04	50	
Methylene chloride	19.7		µg/l	20.0		98.5	70-130	1.51	25	
Naphthalene	20.4		µg/l	20.0		102	70-130	4.78	25	
n-Propylbenzene	21.4		µg/l	20.0		107	70-130	2.76	25	
Styrene	22.1		µg/l	20.0		110	70-130	2.69	25	
1,1,1,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130	1.90	25	
1,1,2,2-Tetrachloroethane	20.0		µg/l	20.0		100	70-130	3.92	25	
Tetrachloroethene	18.8		µg/l	20.0		94.0	70-130	1.06	25	
Toluene	17.8		µg/l	20.0		89.0	70-130	1.12	25	
1,2,3-Trichlorobenzene	20.1		µg/l	20.0		100	70-130	3.92	25	
1,2,4-Trichlorobenzene	19.9		µg/l	20.0		99.5	70-130	4.42	25	
1,1,1-Trichloroethane	18.4		µg/l	20.0		92.0	70-130	3.73	25	
1,1,2-Trichloroethane	20.2		µg/l	20.0		101	70-130	0.985	25	
Trichloroethene	19.0		µg/l	20.0		95.0	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	18.7		µg/l	20.0		93.5	68.2-143	3.16	50	
1,2,3-Trichloropropane	21.9		µg/l	20.0		110	70-130	1.83	25	
1,2,4-Trimethylbenzene	20.8		µg/l	20.0		104	70-130	1.90	25	
1,3,5-Trimethylbenzene	20.9		µg/l	20.0		104	70-130	3.77	25	
Vinyl chloride	19.2		µg/l	20.0		96.0	70-130	0.519	25	
m,p-Xylene	40.3		µg/l	40.0		101	70-130	0.985	25	
o-Xylene	22.0		µg/l	20.0		110	70-130	1.80	25	
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*47.6*		µg/l	*50.0*		*95.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.7*		µg/l	*50.0*		*99.4*	*70-130*			
Surrogate: Dibromofluoromethane	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Matrix Spike (5081311-MS1)		**Source: SA32254-01**		Prepared: 17-Aug-05 Analyzed: 18-Aug-05						
Benzene	32.6		µg/l	20.0	11.1	108	70-130			
Chlorobenzene	23.2		µg/l	20.0	BRL	116	70-130			
1,1-Dichloroethene	20.6		µg/l	20.0	BRL	103	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081311 - SW846 5030 Water MS									
Matrix Spike (5081311-MS1)		**Source: SA32254-01**	Prepared: 17-Aug-05 Analyzed: 18-Aug-05						
Toluene	21.6	µg/l	20.0	BRL	108	70-130			
Trichloroethene	20.6	µg/l	20.0	BRL	103	70-130			
Surrogate: 4-Bromofluorobenzene	*52.0*	µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*50.4*	µg/l	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*41.6*	µg/l	*50.0*		*83.2*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*	µg/l	*50.0*		*93.0*	*70-130*			
Matrix Spike Dup (5081311-MSD1)		**Source: SA32254-01**	Prepared: 17-Aug-05 Analyzed: 18-Aug-05						
Benzene	33.5	µg/l	20.0	11.1	112	70-130	3.64	30	
Chlorobenzene	24.8	µg/l	20.0	BRL	124	70-130	6.67	30	
1,1-Dichloroethene	21.2	µg/l	20.0	BRL	106	70-130	2.87	30	
Toluene	21.8	µg/l	20.0	BRL	109	70-130	0.922	30	
Trichloroethene	21.3	µg/l	20.0	BRL	106	70-130	2.87	30	
Surrogate: 4-Bromofluorobenzene	*54.4*	µg/l	*50.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*48.3*	µg/l	*50.0*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.3*	µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*	µg/l	*50.0*		*100*	*70-130*			

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081141 - SW846 3535									
Blank (5081141-BLK1)			Prepared: 16-Aug-05 Analyzed: 18-Aug-05						
Gasoline	BRL	0.05 mg/l							
Fuel Oil #2	BRL	0.05 mg/l							
Fuel Oil #4	BRL	0.05 mg/l							
Fuel Oil #6	BRL	0.05 mg/l							
Motor Oil	BRL	0.05 mg/l							
Aviation Fuel	BRL	0.05 mg/l							
Unidentified	BRL	0.05 mg/l							
Other Oil	BRL	0.05 mg/l							
Total Petroleum Hydrocarbons	BRL	0.05 mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05 mg/l							
Surrogate: 1-Chlorooctadecane	*0.0246*	mg/l	*0.0500*		*49.2*	*40-140*			
LCS (5081141-BS1)			Prepared: 16-Aug-05 Analyzed: 18-Aug-05						
C9-C36 Aliphatic Hydrocarbons	1.0	0.05 mg/l	1.40		71.4	40-140			
Surrogate: 1-Chlorooctadecane	*0.0272*	mg/l	*0.0500*		*54.4*	*40-140*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081076 - EPA 200 Series									
Blank (5081076-BLK1)			Prepared & Analyzed: 17-Aug-05						
Lead	BRL	0.0038 mg/l							
LCS (5081076-BS1)			Prepared & Analyzed: 17-Aug-05						
Lead	0.0896	0.0038 mg/l	0.100		89.6	85-115			
Duplicate (5081076-DUP1)		**Source: SA32358-03**	Prepared & Analyzed: 17-Aug-05						
Lead	BRL	0.0038 mg/l		0.0025			43.9	20	QR-04
Duplicate (5081076-DUP2)		**Source: SA32495-04**	Prepared & Analyzed: 17-Aug-05						
Lead	BRL	0.0038 mg/l		BRL				20	
Matrix Spike (5081076-MS1)		**Source: SA32358-07**	Prepared & Analyzed: 17-Aug-05						
Lead	0.0675	0.0038 mg/l	0.100	BRL	67.5	70-130			QM-07
Matrix Spike (5081076-MS2)		**Source: SA32512-01**	Prepared & Analyzed: 17-Aug-05						
Lead	0.0782	0.0038 mg/l	0.100	BRL	78.2	70-130			
Matrix Spike Dup (5081076-MSD1)		**Source: SA32358-07**	Prepared & Analyzed: 17-Aug-05						
Lead	0.0691	0.0038 mg/l	0.100	BRL	69.1	70-130	2.34	20	QM-07
Matrix Spike Dup (5081076-MSD2)		**Source: SA32512-01**	Prepared & Analyzed: 17-Aug-05						
Lead	0.0796	0.0038 mg/l	0.100	BRL	79.6	70-130	1.77	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5081367 - General Preparation									
Blank (5081367-BLK1)			Prepared: 16-Aug-05 Analyzed: 17-Aug-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5081367-BS1)			Prepared: 16-Aug-05 Analyzed: 17-Aug-05						
Cyanide (total)	0.286	0.0100 mg/l	0.300		95.3	90-110			
Matrix Spike (5081367-MS1)		**Source: SA32038-02**	Prepared: 16-Aug-05 Analyzed: 17-Aug-05						
Cyanide (total)	0.326	0.0100 mg/l	0.300	0.0632	87.6	75-125			
Matrix Spike Dup (5081367-MSD1)		**Source: SA32038-02**	Prepared: 16-Aug-05 Analyzed: 17-Aug-05						
Cyanide (total)	0.345	0.0100 mg/l	0.300	0.0632	93.9	75-125	5.66	20	
Reference (5081367-SRM1)			Prepared: 16-Aug-05 Analyzed: 17-Aug-05						
Cyanide (total)	0.301	0.0100 mg/l	0.333		90.4	75.7-125			

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

8A 3 306 (E)

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

IN#5012891 (JK)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield, CEE, 100 Shield Street, W. Hartford, CT
David Ringquist, CT DEP, 79 Elm St., Hartford, CT
P.O. No.: 06110
RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden HUB
Location: East Main and State Streets, Meriden, CT
State:
Sampler(s): JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	CT ETPH	Total RCRA 8 Metals	Total Cu, Ni, Zn	Total Sb, Be, Tl, Vn	PAHs 8270C			
34206-01	CEC050913-157	9-13-05	9:00	G	GW	2	2					X								
-02	CEC050913-158	9-13-05	9:10	G	GW	2	2					X								
-03	CEC050913-159	9-13-05	10:55	G	GW	2	2					X		[redacted]	[redacted]	[redacted]	[redacted]			
-04	CEC050913-160	9-13-05	13:40	G	GW	2,4	2	1		~~2~~ 1		X		X	X	X	X			
-05	CEC050914-161	9-14-05	7:10	G	GW	2	2					X								
-06	CEC050914-162	9-14-05	9:15	G	GW	2	2					X								
-07	CEC050914-163	9-14-05	11:00	G	GW	2	2					X								
-08	CEC050914-164	9-14-05	12:45	G	GW	2,4	2	1		~~2~~ 1		X		X	X	X	X			
-09	CEC050914-165	9-14-05	~~13:00~~ 1450	G	GW	2,4	2	1		~~2~~ 1		X		X	X	X	X			

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format .PDF Format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4

Relinquished by:	Received by:	Date:	Time:
Kevin Bogue 9/15/05	[signature]	9/15/05	9:30
[signature]	[signature]	9/15/05	1535

AOC-10, AOC-1 AOC-5 AOC-11

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Report Date:
21-Sep-05 16:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA34206-01	CEC050913-157	Ground Water	13-Sep-05 09:00	15-Sep-05 15:35
SA34206-02	CEC050913-158	Ground Water	13-Sep-05 09:10	15-Sep-05 15:35
SA34206-03	CEC050913-159	Ground Water	13-Sep-05 10:55	15-Sep-05 15:35
SA34206-04	CEC050913-160	Ground Water	13-Sep-05 13:40	15-Sep-05 15:35
SA34206-05	CEC050914-161	Ground Water	14-Sep-05 07:10	15-Sep-05 15:35
SA34206-06	CEC050914-162	Ground Water	14-Sep-05 09:15	15-Sep-05 15:35
SA34206-07	CEC050914-163	Ground Water	14-Sep-05 11:00	15-Sep-05 15:35
SA34206-08	CEC050914-164	Ground Water	14-Sep-05 12:45	15-Sep-05 15:35
SA34206-09	CEC050914-165	Ground Water	14-Sep-05 14:50	15-Sep-05 15:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 33 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-157 SA34206-01	CEE Project #2005.045	Ground Water	13-Sep-05 09:00	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1034-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-157 SA34206-01	CEE Project #2005.045	Ground Water	13-Sep-05 09:00	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.3*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*86.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98.7*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-158 SA34206-02	CEE Project #2005.045	Ground Water	13-Sep-05 09:10	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
9-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-158 SA34206-02	CEE Project #2005.045	Ground Water	13-Sep-05 09:10	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.0*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*118*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-159 SA34206-03	CEE Project #2005.045	Ground Water	13-Sep-05 10:55	15-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-159 SA34206-03	CEE Project #2005.045	Ground Water	13-Sep-05 10:55	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99.3*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*88.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*116*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-160 SA34206-04	CEE Project #2005.045	Ground Water	13-Sep-05 13:40	15-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-160 SA34206-04	CEE Project #2005.045	Ground Water	13-Sep-05 13:40	15-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98.7*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.13 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
208-96-8	Acenaphthylene	BRL	5.13 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.13 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.13 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.13 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.13 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050913-160 SA34206-04	CEE Project #2005.045	Ground Water	13-Sep-05 13:40	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
129-00-0	Pyrene	BRL	5.13 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*46.1*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*51.8*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	19-Sep-05	20-Sep-05	5091163	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.0854	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	20-Sep-05	5091164	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	20-Sep-05	5091163	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0025	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0188	0.0025 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-161 SA34206-05	CEE Project #2005.045	Ground Water	14-Sep-05 07:10	15-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-161 SA34206-05	CEE Project #2005.045	Ground Water	14-Sep-05 07:10	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
[illegible]-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.3*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-162 SA34206-06	CEE Project #2005.045	Ground Water	14-Sep-05 09:15	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-162 SA34206-06	CEE Project #2005.045	Ground Water	14-Sep-05 09:15	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*92.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-163 SA34206-07	CEE Project #2005.045	Ground Water	14-Sep-05 11:00	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-163 SA34206-07	CEE Project #2005.045	Ground Water	14-Sep-05 11:00	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	3.0	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-164 SA34206-08	CEE Project #2005.045	Ground Water	14-Sep-05 12:45	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-164 SA34206-08	CEE Project #2005.045	Ground Water	14-Sep-05 12:45	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method Volatiles							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	6.8	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*101*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.13 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
208-96-8	Acenaphthylene	BRL	5.13 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.13 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.13 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.13 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
-57-6	2-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
-20-3	Naphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.13 µg/l	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-164 SA34206-08	CEE Project #2005.045	Ground Water	14-Sep-05 12:45	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
129-00-0	Pyrene	BRL	5.13 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*49.1*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58.4*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	19-Sep-05	20-Sep-05	5091163	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.0694	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	20-Sep-05	5091164	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	20-Sep-05	5091163	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0092	0.0025 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-165 SA34206-09	CEE Project #2005.045	Ground Water	14-Sep-05 14:50	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-165 SA34206-09	CEE Project #2005.045	Ground Water	14-Sep-05 14:50	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	Volatiles						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	18-Sep-05	18-Sep-05	5091153	KRL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	3.3	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*102*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.7*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method	SW846 3535						
83-32-9	Acenaphthene	BRL	5.00 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
208-96-8	Acenaphthylene	BRL	5.00 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.00 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.00 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.00 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.00 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.00 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.00 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.00 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.00 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050914-165 SA34206-09	CEE Project #2005.045	Ground Water	14-Sep-05 14:50	15-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
129-00-0	Pyrene	BRL	5.00 µg/l	1	SW846 8270C	17-Sep-05	20-Sep-05	5091139	M.B	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*51.9*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*61.4*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	19-Sep-05	20-Sep-05	5091163	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.122	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	20-Sep-05	5091164	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	20-Sep-05	5091163	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0040	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0101	0.0025 mg/l	1	"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091153 - Volatiles										
Blank (5091153-BLK1)				Prepared & Analyzed: 18-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091153 - Volatiles										
Blank (5091153-BLK1)				Prepared & Analyzed: 18-Sep-05						
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/l	*30.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*32.6*		µg/l	*30.0*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/l	*30.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*28.2*		µg/l	*30.0*		*94.0*	*70-130*			
LCS (5091153-BS1)				Prepared & Analyzed: 18-Sep-05						
Acetone	10.9		µg/l	20.0		54.5	20.7-193			
Acrylonitrile	18.4		µg/l	20.0		92.0	70-130			
Benzene	21.3		µg/l	20.0		106	70-130			
Bromobenzene	21.8		µg/l	20.0		109	70-130			
Bromochloromethane	21.0		µg/l	20.0		105	70-130			
Bromodichloromethane	22.0		µg/l	20.0		110	70-130			
Bromoform	21.5		µg/l	20.0		108	70-130			
Bromomethane	31.6		µg/l	20.0		158	57.7-151			QC-1
2-Butanone (MEK)	15.8		µg/l	20.0		79.0	24-153			
n-Butylbenzene	22.8		µg/l	20.0		114	70-130			
sec-Butylbenzene	24.2		µg/l	20.0		121	70-130			
tert-Butylbenzene	24.2		µg/l	20.0		121	70-130			
Carbon disulfide	25.0		µg/l	20.0		125	70-130			
Carbon tetrachloride	23.7		µg/l	20.0		118	70-130			
Chlorobenzene	22.2		µg/l	20.0		111	70-130			
Chloroethane	27.0		µg/l	20.0		135	70-134			QC-1
Chloroform	21.8		µg/l	20.0		109	70-130			
Chloromethane	37.2		µg/l	20.0		186	70-130			QC-1
2-Chlorotoluene	23.1		µg/l	20.0		116	70-130			
4-Chlorotoluene	23.0		µg/l	20.0		115	70-130			
1,2-Dibromo-3-chloropropane	21.6		µg/l	20.0		108	70-130			
Dibromochloromethane	20.4		µg/l	20.0		102	65.3-149			
1,2-Dibromoethane (EDB)	19.5		µg/l	20.0		97.5	70-130			
Dibromomethane	21.1		µg/l	20.0		106	70-130			
1,2-Dichlorobenzene	21.8		µg/l	20.0		109	70-130			
1,3-Dichlorobenzene	23.5		µg/l	20.0		118	70-130			
1,4-Dichlorobenzene	21.4		µg/l	20.0		107	70-130			
Dichlorodifluoromethane (Freon12)	45.6		µg/l	20.0		228	57.2-156			QC-2
1,1-Dichloroethane	24.3		µg/l	20.0		122	70-130			
1,2-Dichloroethane	22.1		µg/l	20.0		110	70-130			
1,1-Dichloroethene	23.8		µg/l	20.0		119	70-130			
cis-1,2-Dichloroethene	25.0		µg/l	20.0		125	70-130			
trans-1,2-Dichloroethene	22.1		µg/l	20.0		110	70-130			
1,2-Dichloropropane	21.6		µg/l	20.0		108	70-130			
1,3-Dichloropropane	19.5		µg/l	20.0		97.5	70-130			
2,2-Dichloropropane	23.8		µg/l	20.0		119	70-130			
1,1-Dichloropropene	22.6		µg/l	20.0		113	70-130			
cis-1,3-Dichloropropene	20.7		µg/l	20.0		104	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091153 - Volatiles										
LCS (5091153-BS1)				Prepared & Analyzed: 18-Sep-05						
trans-1,3-Dichloropropene	19.4		µg/l	20.0		97.0	70-130			
Ethylbenzene	22.5		µg/l	20.0		112	70-130			
Hexachlorobutadiene	21.3		µg/l	20.0		106	70-145			
2-Hexanone (MBK)	14.2		µg/l	20.0		71.0	70-130			
Isopropylbenzene	21.4		µg/l	20.0		107	70-130			
4-Isopropyltoluene	24.7		µg/l	20.0		124	70-130			
Methyl tert-butyl ether	21.6		µg/l	20.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	16.2		µg/l	20.0		81.0	51.9-135			
Methylene chloride	23.2		µg/l	20.0		116	70-130			
Naphthalene	18.4		µg/l	20.0		92.0	70-130			
n-Propylbenzene	23.2		µg/l	20.0		116	70-130			
Styrene	23.1		µg/l	20.0		116	70-130			
1,1,1,2-Tetrachloroethane	22.1		µg/l	20.0		110	70-130			
1,1,2,2-Tetrachloroethane	20.4		µg/l	20.0		102	70-130			
Tetrachloroethene	20.2		µg/l	20.0		101	70-130			
Toluene	20.1		µg/l	20.0		100	70-130			
1,2,3-Trichlorobenzene	18.8		µg/l	20.0		94.0	70-130			
1,2,4-Trichlorobenzene	19.7		µg/l	20.0		98.5	70-130			
1,1,1-Trichloroethane	22.4		µg/l	20.0		112	70-130			
1,1,2-Trichloroethane	19.3		µg/l	20.0		96.5	70-130			
Trichloroethene	21.7		µg/l	20.0		108	70-130			
Trichlorofluoromethane (Freon 11)	26.7		µg/l	20.0		134	68.2-143			
1,2,3-Trichloropropane	20.8		µg/l	20.0		104	70-130			
1,2,4-Trimethylbenzene	23.4		µg/l	20.0		117	70-130			
1,3,5-Trimethylbenzene	23.2		µg/l	20.0		116	70-130			
Vinyl chloride	30.7		µg/l	20.0		154	70-130			QC-1
m,p-Xylene	46.2		µg/l	40.0		116	70-130			
o-Xylene	23.2		µg/l	20.0		116	70-130			
Surrogate: 4-Bromofluorobenzene	*32.5*		µg/l	*30.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*28.5*		µg/l	*30.0*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*32.5*		µg/l	*30.0*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*31.0*		µg/l	*30.0*		*103*	*70-130*			
LCS Dup (5091153-BSD1)				Prepared & Analyzed: 18-Sep-05						
Acetone	8.5		µg/l	20.0		42.5	20.7-193	24.7	50	
Acrylonitrile	15.9		µg/l	20.0		79.5	70-130	14.6	25	
Benzene	20.2		µg/l	20.0		101	70-130	4.83	25	
Bromobenzene	21.9		µg/l	20.0		110	70-130	0.913	25	
Bromochloromethane	17.0		µg/l	20.0		85.0	70-130	21.1	25	
Bromodichloromethane	23.5		µg/l	20.0		118	70-130	7.02	25	
Bromoform	21.8		µg/l	20.0		109	70-130	0.922	25	
Bromomethane	22.7		µg/l	20.0		114	57.7-151	32.4	50	
2-Butanone (MEK)	7.3		µg/l	20.0		36.5	24-153	73.6	50	QR-02
n-Butylbenzene	22.6		µg/l	20.0		113	70-130	0.881	25	
sec-Butylbenzene	24.2		µg/l	20.0		121	70-130	0.00	25	
tert-Butylbenzene	24.2		µg/l	20.0		121	70-130	0.00	25	
Carbon disulfide	16.6		µg/l	20.0		83.0	70-130	40.4	25	QR-02
Carbon tetrachloride	22.0		µg/l	20.0		110	70-130	7.02	25	
Chlorobenzene	21.7		µg/l	20.0		108	70-130	2.74	25	
Chloroethane	17.7		µg/l	20.0		88.5	70-134	41.6	50	
Chloroform	17.8		µg/l	20.0		89.0	70-130	20.2	25	
Chloromethane	23.7		µg/l	20.0		118	70-130	44.7	25	QR-05
2-Chlorotoluene	23.1		µg/l	20.0		116	70-130	0.00	25	
4-Chlorotoluene	23.2		µg/l	20.0		116	70-130	0.866	25	
1,2-Dibromo-3-chloropropane	21.2		µg/l	20.0		106	70-130	1.87	25	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091153 - Volatiles										
LCS Dup (5091153-BSD1)				Prepared & Analyzed: 18-Sep-05						
Dibromochloromethane	22.2		µg/l	20.0		111	65.3-149	8.45	50	
1,2-Dibromoethane (EDB)	21.2		µg/l	20.0		106	70-130	8.35	25	
Dibromomethane	22.7		µg/l	20.0		114	70-130	7.27	25	
1,2-Dichlorobenzene	21.1		µg/l	20.0		106	70-130	2.79	25	
1,3-Dichlorobenzene	23.6		µg/l	20.0		118	70-130	0.00	25	
1,4-Dichlorobenzene	20.9		µg/l	20.0		104	70-130	2.84	25	
Dichlorodifluoromethane (Freon12)	32.5		µg/l	20.0		162	57.2-156	33.8	50	QC-2
1,1-Dichloroethane	19.8		µg/l	20.0		99.0	70-130	20.8	25	
1,2-Dichloroethane	19.2		µg/l	20.0		96.0	70-130	13.6	25	
1,1-Dichloroethene	16.8		µg/l	20.0		84.0	70-130	34.5	25	QR-02
cis-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	23.2	25	
trans-1,2-Dichloroethene	16.5		µg/l	20.0		82.5	70-130	28.6	25	QR-02
1,2-Dichloropropane	21.8		µg/l	20.0		109	70-130	0.922	25	
1,3-Dichloropropane	21.2		µg/l	20.0		106	70-130	8.35	25	
2,2-Dichloropropane	19.0		µg/l	20.0		95.0	70-130	22.4	25	
1,1-Dichloropropene	20.6		µg/l	20.0		103	70-130	9.26	25	
cis-1,3-Dichloropropene	22.4		µg/l	20.0		112	70-130	7.41	25	
trans-1,3-Dichloropropene	20.8		µg/l	20.0		104	70-130	6.97	25	
Ethylbenzene	22.7		µg/l	20.0		114	70-130	1.77	25	
Hexachlorobutadiene	20.8		µg/l	20.0		104	70-145	1.90	50	
2-Hexanone (MBK)	15.2		µg/l	20.0		76.0	70-130	6.80	25	
Isopropylbenzene	21.4		µg/l	20.0		107	70-130	0.00	25	
4-Isopropyltoluene	25.1		µg/l	20.0		126	70-130	1.60	25	
Methyl tert-butyl ether	17.0		µg/l	20.0		85.0	70-130	23.8	25	
4-Methyl-2-pentanone (MIBK)	17.9		µg/l	20.0		89.5	51.9-135	9.97	50	
Methylene chloride	17.0		µg/l	20.0		85.0	70-130	30.8	25	QR-02
Naphthalene	18.2		µg/l	20.0		91.0	70-130	1.09	25	
n-Propylbenzene	23.0		µg/l	20.0		115	70-130	0.866	25	
Styrene	22.6		µg/l	20.0		113	70-130	2.62	25	
1,1,1,2-Tetrachloroethane	21.8		µg/l	20.0		109	70-130	0.913	25	
1,1,2,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130	1.94	25	
Tetrachloroethene	21.6		µg/l	20.0		108	70-130	6.70	25	
Toluene	22.1		µg/l	20.0		110	70-130	9.52	25	
1,2,3-Trichlorobenzene	18.7		µg/l	20.0		93.5	70-130	0.533	25	
1,2,4-Trichlorobenzene	18.9		µg/l	20.0		94.5	70-130	4.15	25	
1,1,1-Trichloroethane	20.3		µg/l	20.0		102	70-130	9.35	25	
1,1,2-Trichloroethane	20.9		µg/l	20.0		104	70-130	7.48	25	
Trichloroethene	21.5		µg/l	20.0		108	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	20.5		µg/l	20.0		102	68.2-143	27.1	50	
1,2,3-Trichloropropane	20.6		µg/l	20.0		103	70-130	0.966	25	
1,2,4-Trimethylbenzene	23.5		µg/l	20.0		118	70-130	0.851	25	
1,3,5-Trimethylbenzene	23.6		µg/l	20.0		118	70-130	1.71	25	
Vinyl chloride	20.8		µg/l	20.0		104	70-130	38.8	25	QR-05
m,p-Xylene	46.5		µg/l	40.0		116	70-130	0.00	25	
o-Xylene	24.0		µg/l	20.0		120	70-130	3.39	25	
Surrogate: 4-Bromofluorobenzene	*33.0*		µg/l	*30.0*		*110*	*70-130*			
Surrogate: Toluene-d8	*30.8*		µg/l	*30.0*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/l	*30.0*		*92.7*	*70-130*			
Surrogate: Dibromofluoromethane	*26.9*		µg/l	*30.0*		*89.7*	*70-130*			
Matrix Spike (5091153-MS1)		**Source: SA34206-07**		Prepared & Analyzed: 18-Sep-05						
Benzene	21.9		µg/l	20.0	BRL	110	70-130			
Chlorobenzene	22.8		µg/l	20.0	BRL	114	70-130			
1,1-Dichloroethene	18.5		µg/l	20.0	BRL	92.5	70-130			
Toluene	21.5		µg/l	20.0	BRL	108	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091153 - Volatiles										
Matrix Spike (5091153-MS1)		**Source: SA34206-07**		Prepared & Analyzed: 18-Sep-05						
Trichloroethene	25.1		µg/l	20.0	3.00	110	70-130			
Surrogate: 4-Bromofluorobenzene	*32.7*		µg/l	*30.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*29.4*		µg/l	*30.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*33.0*		µg/l	*30.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*30.0*		µg/l	*30.0*		*100*	*70-130*			
Matrix Spike Dup (5091153-MSD1)		**Source: SA34206-07**		Prepared & Analyzed: 18-Sep-05						
Benzene	23.9		µg/l	20.0	BRL	120	70-130	8.70	30	
Chlorobenzene	24.8		µg/l	20.0	BRL	124	70-130	8.40	30	
1,1-Dichloroethene	21.7		µg/l	20.0	BRL	108	70-130	15.5	30	
Toluene	23.4		µg/l	20.0	BRL	117	70-130	8.00	30	
Trichloroethene	28.0		µg/l	20.0	3.00	125	70-130	12.8	30	
Surrogate: 4-Bromofluorobenzene	*33.8*		µg/l	*30.0*		*113*	*70-130*			
Surrogate: Toluene-d8	*29.6*		µg/l	*30.0*		*98.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*34.1*		µg/l	*30.0*		*114*	*70-130*			
Surrogate: Dibromofluoromethane	*31.1*		µg/l	*30.0*		*104*	*70-130*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091139 - SW846 3535										
Blank (5091139-BLK1)				Prepared: 17-Sep-05 Analyzed: 19-Sep-05						
Acenaphthene	BRL	2.50	µg/l							
Acenaphthylene	BRL	2.50	µg/l							
Anthracene	BRL	2.50	µg/l							
Benzo (a) anthracene	BRL	2.50	µg/l							
Benzo (a) pyrene	BRL	2.50	µg/l							
Benzo (b) fluoranthene	BRL	2.50	µg/l							
Benzo (g,h,i) perylene	BRL	2.50	µg/l							
Benzo (k) fluoranthene	BRL	2.50	µg/l							
Chrysene	BRL	2.50	µg/l							
Dibenzo (a,h) anthracene	BRL	2.50	µg/l							
Fluoranthene	BRL	2.50	µg/l							
Fluorene	BRL	2.50	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	2.50	µg/l							
1-Methylnaphthalene	BRL	2.50	µg/l							
2-Methylnaphthalene	BRL	2.50	µg/l							
Naphthalene	BRL	2.50	µg/l							
Phenanthrene	BRL	2.50	µg/l							
Pyrene	BRL	2.50	µg/l							
Surrogate: 2-Fluorobiphenyl	*70.3*		µg/l	*100*		*70.3*	*30-130*			
Surrogate: Terphenyl-dl4	*87.5*		µg/l	*100*		*87.5*	*30-130*			
LCS (5091139-BS1)				Prepared: 17-Sep-05 Analyzed: 19-Sep-05						
Acenaphthene	64.8	2.50	µg/l	100		64.8	40-140			
Acenaphthylene	67.5	2.50	µg/l	100		67.5	40-140			
Anthracene	65.2	2.50	µg/l	100		65.2	40-140			
Benzo (a) anthracene	71.7	2.50	µg/l	100		71.7	40-140			
Benzo (a) pyrene	72.9	2.50	µg/l	100		72.9	40-140			
Benzo (b) fluoranthene	67.3	2.50	µg/l	100		67.3	40-140			
Benzo (g,h,i) perylene	60.0	2.50	µg/l	100		60.0	40-140			
Benzo (k) fluoranthene	67.8	2.50	µg/l	100		67.8	40-140			
Chrysene	66.0	2.50	µg/l	100		66.0	40-140			
Dibenzo (a,h) anthracene	63.4	2.50	µg/l	100		63.4	40-140			
Fluoranthene	69.6	2.50	µg/l	100		69.6	40-140			
Fluorene	66.4	2.50	µg/l	100		66.4	40-140			
Indeno (1,2,3-cd) pyrene	65.0	2.50	µg/l	100		65.0	40-140			
1-Methylnaphthalene	60.1	2.50	µg/l	100		60.1	40-140			
2-Methylnaphthalene	64.3	2.50	µg/l	100		64.3	40-140			
Naphthalene	59.7	2.50	µg/l	100		59.7	40-140			
Phenanthrene	65.4	2.50	µg/l	100		65.4	40-140			
Pyrene	66.8	2.50	µg/l	100		66.8	40-140			
Surrogate: 2-Fluorobiphenyl	*66.2*		µg/l	*100*		*66.2*	*30-130*			
Surrogate: Terphenyl-dl4	*70.8*		µg/l	*100*		*70.8*	*30-130*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091163 - EPA 200 Series										
Blank (5091163-BLK1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Nickel	BRL	0.0025	mg/l							
Antimony	BRL	0.0060	mg/l							
Selenium	BRL	0.0075	mg/l							
Thallium	BRL	0.0050	mg/l							
Lead	BRL	0.0038	mg/l							
Zinc	BRL	0.0025	mg/l							
Chromium	BRL	0.0025	mg/l							
Copper	BRL	0.0025	mg/l							
Vanadium	BRL	0.0025	mg/l							
Silver	BRL	0.0050	mg/l							
Arsenic	BRL	0.0040	mg/l							
Cadmium	BRL	0.0012	mg/l							
Beryllium	BRL	0.0010	mg/l							
Barium	BRL	0.0025	mg/l							
LCS (5091163-BS1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Selenium	0.0941	0.0075	mg/l	0.100		94.1	85-115			
Thallium	0.0874	0.0050	mg/l	0.100		87.4	85-115			
Lead	0.0951	0.0038	mg/l	0.100		95.1	85-115			
Nickel	0.0932	0.0025	mg/l	0.100		93.2	85-115			
Antimony	0.0952	0.0060	mg/l	0.100		95.2	85-115			
Zinc	0.0936	0.0025	mg/l	0.100		93.6	85-115			
Barium	0.0932	0.0025	mg/l	0.100		93.2	85-115			
Copper	0.0956	0.0025	mg/l	0.100		95.6	85-115			
Vanadium	0.0892	0.0025	mg/l	0.100		89.2	85-115			
Silver	0.0448	0.0050	mg/l	0.0500		89.6	85-115			
Arsenic	0.0879	0.0040	mg/l	0.100		87.9	85-115			
Cadmium	0.0901	0.0012	mg/l	0.100		90.1	85-115			
Chromium	0.0957	0.0025	mg/l	0.100		95.7	85-115			
Beryllium	0.0944	0.0010	mg/l	0.100		94.4	85-115			
Duplicate (5091163-DUP1)		**Source: SA34052-02**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Antimony	BRL	0.0060	mg/l		0.0027				20	
Nickel	BRL	0.0025	mg/l		BRL				20	
Thallium	BRL	0.0050	mg/l		BRL				20	
Zinc	0.0090	0.0025	mg/l		0.0089			1.12	20	
Lead	BRL	0.0038	mg/l		BRL				20	
Selenium	BRL	0.0075	mg/l		BRL				20	
Vanadium	BRL	0.0025	mg/l		BRL				20	
Arsenic	BRL	0.0040	mg/l		BRL				20	
Silver	BRL	0.0050	mg/l		BRL				20	
Barium	0.0208	0.0025	mg/l		0.0204			1.94	20	
Beryllium	BRL	0.0010	mg/l		0.0004			0.00	20	
Cadmium	BRL	0.0012	mg/l		BRL				20	
Chromium	BRL	0.0025	mg/l		0.0012			22.2	20	QR-04
Copper	BRL	0.0025	mg/l		BRL				20	
Duplicate (5091163-DUP2)		**Source: SA34052-12**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Lead	BRL	0.0038	mg/l		0.0056				20	
Thallium	BRL	0.0050	mg/l		BRL				20	
Antimony	BRL	0.0060	mg/l		BRL				20	
Nickel	BRL	0.0025	mg/l		BRL				20	
Selenium	BRL	0.0075	mg/l		BRL				20	
Zinc	0.0062	0.0025	mg/l		0.0205			107	20	QR-0
Arsenic	BRL	0.0040	mg/l		0.0024			8.70	20	
Copper	BRL	0.0025	mg/l		BRL				20	

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Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091163 - EPA 200 Series									
Duplicate (5091163-DUP2)		**Source: SA34052-12**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Chromium	BRL	0.0025 mg/l		0.0015			6.45	20	
Cadmium	BRL	0.0012 mg/l		BRL				20	
Silver	BRL	0.0050 mg/l		BRL				20	
Barium	0.0215	0.0025 mg/l		0.0216			0.464	20	
Vanadium	BRL	0.0025 mg/l		BRL				20	
Beryllium	BRL	0.0010 mg/l		0.0004			0.00	20	
Matrix Spike (5091163-MS1)		**Source: SA34052-08**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Lead	0.0764	0.0038 mg/l	0.100	BRL	76.4	70-130			
Antimony	0.0760	0.0060 mg/l	0.100	BRL	76.0	70-130			
Nickel	0.0823	0.0025 mg/l	0.100	0.0022	80.1	70-130			
Thallium	0.0736	0.0050 mg/l	0.100	BRL	73.6	70-130			
Selenium	0.0817	0.0075 mg/l	0.100	BRL	81.7	70-130			
Zinc	0.0996	0.0025 mg/l	0.100	0.0075	92.1	70-130			
Beryllium	0.0864	0.0010 mg/l	0.100	0.0006	85.8	70-130			
Silver	0.0396	0.0050 mg/l	0.0500	BRL	79.2	70-130			
Vanadium	0.0859	0.0025 mg/l	0.100	0.0030	82.9	70-130			
Barium	0.112	0.0025 mg/l	0.100	0.0312	80.8	70-130			
Cadmium	0.0794	0.0012 mg/l	0.100	BRL	79.4	70-130			
Chromium	0.0868	0.0025 mg/l	0.100	0.0028	84.0	70-130			
Copper	0.0930	0.0025 mg/l	0.100	0.0092	83.8	70-130			
Arsenic	0.0891	0.0040 mg/l	0.100	0.0052	83.9	70-130			
Matrix Spike (5091163-MS2)		**Source: SA34206-04**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Lead	0.0596	0.0038 mg/l	0.100	BRL	59.6	70-130			QM-07
Thallium	0.0619	0.0050 mg/l	0.100	BRL	61.9	70-130			QM-07
Antimony	0.0742	0.0060 mg/l	0.100	0.0024	71.8	70-130			
Zinc	0.0688	0.0025 mg/l	0.100	0.0188	50.0	70-130			QM-07
Nickel	0.0657	0.0025 mg/l	0.100	0.0012	64.5	70-130			QM-07
Selenium	0.0766	0.0075 mg/l	0.100	BRL	76.6	70-130			
Arsenic	0.0740	0.0040 mg/l	0.100	BRL	74.0	70-130			
Barium	0.150	0.0025 mg/l	0.100	0.0854	64.6	70-130			QM-07
Beryllium	0.0727	0.0010 mg/l	0.100	0.0004	72.3	70-130			
Cadmium	0.0663	0.0012 mg/l	0.100	BRL	66.3	70-130			QM-07
Silver	0.0345	0.0050 mg/l	0.0500	BRL	69.0	70-130			QM-07
Chromium	0.0698	0.0025 mg/l	0.100	BRL	69.8	70-130			QM-07
Vanadium	0.0718	0.0025 mg/l	0.100	0.0025	69.3	70-130			QM-07
Copper	0.0687	0.0025 mg/l	0.100	BRL	68.7	70-130			QM-07
Matrix Spike Dup (5091163-MSD1)		**Source: SA34052-08**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Nickel	0.0805	0.0025 mg/l	0.100	0.0022	78.3	70-130	2.21	20	
Lead	0.0754	0.0038 mg/l	0.100	BRL	75.4	70-130	1.32	20	
Antimony	0.0709	0.0060 mg/l	0.100	BRL	70.9	70-130	6.94	20	
Selenium	0.0810	0.0075 mg/l	0.100	BRL	81.0	70-130	0.860	20	
Thallium	0.0750	0.0050 mg/l	0.100	BRL	75.0	70-130	1.88	20	
Zinc	0.0896	0.0025 mg/l	0.100	0.0075	82.1	70-130	10.6	20	
Copper	0.0908	0.0025 mg/l	0.100	0.0092	81.6	70-130	2.39	20	
Arsenic	0.0840	0.0040 mg/l	0.100	0.0052	78.8	70-130	5.89	20	
Barium	0.108	0.0025 mg/l	0.100	0.0312	76.8	70-130	3.64	20	
Vanadium	0.0835	0.0025 mg/l	0.100	0.0030	80.5	70-130	2.83	20	
Beryllium	0.0829	0.0010 mg/l	0.100	0.0006	82.3	70-130	4.13	20	
Cadmium	0.0766	0.0012 mg/l	0.100	BRL	76.6	70-130	3.59	20	
Chromium	0.0828	0.0025 mg/l	0.100	0.0028	80.0	70-130	4.72	20	
Silver	0.0388	0.0050 mg/l	0.0500	BRL	77.6	70-130	2.04	20	
Matrix Spike Dup (5091163-MSD2)		**Source: SA34206-04**	Prepared: 19-Sep-05 Analyzed: 20-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091163 - EPA 200 Series										
Matrix Spike Dup (5091163-MSD2)		**Source: SA34206-04**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Zinc	0.0732	0.0025	mg/l	0.100	0.0188	54.4	70-130	6.20	20	QM-07
Thallium	0.0629	0.0050	mg/l	0.100	BRL	62.9	70-130	1.60	20	QM-07
Selenium	0.0786	0.0075	mg/l	0.100	BRL	78.6	70-130	2.58	20	
Antimony	0.0711	0.0060	mg/l	0.100	0.0024	68.7	70-130	4.27	20	QM-07
Nickel	0.0676	0.0025	mg/l	0.100	0.0012	66.4	70-130	2.85	20	QM-07
Lead	0.0608	0.0038	mg/l	0.100	BRL	60.8	70-130	1.99	20	QM-07
Beryllium	0.0738	0.0010	mg/l	0.100	0.0004	73.4	70-130	1.50	20	
Vanadium	0.0756	0.0025	mg/l	0.100	0.0025	73.1	70-130	5.16	20	
Copper	0.0711	0.0025	mg/l	0.100	BRL	71.1	70-130	3.43	20	
Cadmium	0.0686	0.0012	mg/l	0.100	BRL	68.6	70-130	3.41	20	QM-07
Barium	0.158	0.0025	mg/l	0.100	0.0854	72.6	70-130	5.19	20	
Arsenic	0.0757	0.0040	mg/l	0.100	BRL	75.7	70-130	2.27	20	
Silver	0.0356	0.0050	mg/l	0.0500	BRL	71.2	70-130	3.14	20	
Chromium	0.0736	0.0025	mg/l	0.100	BRL	73.6	70-130	5.30	20	
Batch 5091164 - EPA200/SW7000 Series										
Blank (5091164-BLK1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00020	mg/l							
LCS (5091164-BS1)				Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00233	0.00010	mg/l	0.00250		93.2	80-120			
Duplicate (5091164-DUP1)		**Source: SA34052-03**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00020	mg/l		BRL				20	
Duplicate (5091164-DUP2)		**Source: SA34052-13**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	BRL	0.00020	mg/l		0.00007				20	
Matrix Spike (5091164-MS1)		**Source: SA34052-09**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00199	0.00020	mg/l	0.00250	0.00004	78.0	75-125			
Matrix Spike (5091164-MS2)		**Source: SA34206-08**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00214	0.00020	mg/l	0.00250	0.00010	81.6	75-125			
Matrix Spike Dup (5091164-MSD1)		**Source: SA34052-09**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00214	0.00020	mg/l	0.00250	0.00004	84.0	75-125	7.26	20	
Matrix Spike Dup (5091164-MSD2)		**Source: SA34206-08**		Prepared: 19-Sep-05 Analyzed: 20-Sep-05						
Mercury	0.00232	0.00020	mg/l	0.00250	0.00010	88.8	75-125	8.07	20	

Notes and Definitions

QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA34206-01 SA34206-02 SA34206-03 SA34206-04 SA34206-05 SA34206-06 SA34206-07 SA34206-08 SA34206-09	List Specific Analytical Methods Used: EPA 200.7 EPA 245.2/7470A SW846 8260B SW846 8270C
Sample Matrices: Aqueous	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/21/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA 150703 MMW

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1 MMW 9-21-05

WA50133 (M)

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes. Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
W. Hartford, CT | Hartford, CT
P.O. No.: 06110 | RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden - HUB
Location: East Main and State Streets, Meriden, CT
State:
Sampler(s): CEE

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: X (check if needed) Yes

State specific reporting standards *If applicable, please list below.*

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	SVOCs 8270C	Total RCRA 8 Metals	Total Cu, Ni, Zn	Total Sb, Be, Tl, Vn	Total Cyanide	PCBs 8082	PAHs Only 8270C	
SA34507-01	CEC050915-168	9-15-05	11:20	G	GW	2,4	2	2		4		X	X	X	X	X	X	X		
02	CEC050915-169	9-15-05	13:15	G	GW	2,4	2	1		2		X		X	X	X			X	
03	CEC050915-166	9-15-05	9:35	G	GW	2	2					X								
04	CEC050915-167	9-15-05	9:40	G	GW	2	2					X								Please analyze
05	CEC050916-170	9-16-05	9:00	G	GW	2	~~2~~ 2					X								SVOCs past hold time
06	CEC050916-171	9-16-05	9:10	G	GW	2	2					X								
07	CEC050916-172	9-16-05	10:55	G	GW	2,4	2	2		2		X	X	X	X	X				
08	CEC050916-173	9-16-05	14:00	G	GW	2,4	2	2		3		X	X	X	X	X	X	X		

☐ Fax results when available to (_____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4 Rad

Relinquished by:	Received by:	Date:	Time:
		9/21/05	15:15
		9/21/05	16:15

Report Date:
26-Sep-05 17:15

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA34507-01	CEC050915-168	Ground Water	15-Sep-05 11:20	21-Sep-05 16:15
SA34507-02	CEC050915-169	Ground Water	15-Sep-05 13:15	21-Sep-05 16:15
SA34507-03	CEC050915-166	Ground Water	15-Sep-05 09:35	21-Sep-05 16:15
SA34507-04	CEC050915-167	Ground Water	15-Sep-05 09:40	21-Sep-05 16:15
SA34507-05	CEC050916-170	Ground Water	16-Sep-05 09:00	21-Sep-05 16:15
SA34507-06	CEC050916-171	Ground Water	16-Sep-05 09:10	21-Sep-05 16:15
SA34507-07	CEC050916-172	Ground Water	16-Sep-05 10:55	21-Sep-05 16:15
SA34507-08	CEC050916-173	Ground Water	16-Sep-05 14:00	21-Sep-05 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 44 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
6-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
24-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	5.8	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	2.8	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3535							
12674-11-2	PCB 1016	BRL	0.222 µg/l	1	SW846 8082	22-Sep-05	23-Sep-05	5091464	MP	
11104-28-2	PCB 1221	BRL	0.222 µg/l	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	0.222 µg/l	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	0.222 µg/l	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	0.222 µg/l	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	0.222 µg/l	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	0.222 µg/l	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	0.222 µg/l	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	0.222 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70.3*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95.0*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	24-Sep-05	5091467	M.B	
208-96-8	Acenaphthylene	BRL	5.13 µg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3535

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
62-53-3	Aniline	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	24-Sep-05	5091467	M.B	
120-12-7	Anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	5.13 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.13 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.13 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.13 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.13 µg/l	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	5.13 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.13 µg/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.13 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.13 µg/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.13 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.13 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
1-58-7	2-Chloronaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.13 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.13 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.13 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL	5.13 µg/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.13 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.13 µg/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.13 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
68-3	Hexachlorobutadiene	BRL	5.13 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.13 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
67-72-1	Hexachloroethane	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	24-Sep-05	5091467	M.B	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.13 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	10.3 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	20.5 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.13 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.13 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.13 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*71.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*71.6*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69.0*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*58.7*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*46.3*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	0.0090	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.112	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0220	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00487	0.00020 mg/l	1	EPA 245.2/7470A	"	24-Sep-05	5091454	YP	
7440-02-0	Nickel	0.0289	0.0025 mg/l	1	EPA 200.7	"	24-Sep-05	5091453	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	0.0074	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
67-72-1	Hexachloroethane	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	24-Sep-05	5091467	M.B	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.13 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	10.3 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	20.5 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.13 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.13 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.13 µg/l	1	"	"	"	"	"	
0-82-1	1,2,4-Trichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*71.5*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*71.6*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*69.0*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*58.7*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82.2*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*46.3*	*15-110 %*							
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	0.0090	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.112	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0220	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00487	0.00020 mg/l	1	EPA 245.2/7470A	"	24-Sep-05	5091454	YP	
7440-02-0	Nickel	0.0289	0.0025 mg/l	1	EPA 200.7	"	24-Sep-05	5091453	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
9-36-0	Antimony	0.0074	0.0060 mg/l	1	"	"	"	"	"	
782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-168 SA34507-01	CEE Project #2005.045	Ground Water	15-Sep-05 11:20	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-28-0	Thallium	BRL	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-62-2	Vanadium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.513	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	0.0443	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	23-Sep-05	23-Sep-05	5091624	YV	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-169 SA34507-02	CEE Project #2005.045	Ground Water	15-Sep-05 13:15	21-Sep-05

R-04

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	100 µg/l	5	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	5.0 µg/l	5	"	"	"	"	"	
71-43-2	Benzene	BRL	5.0 µg/l	5	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	5.0 µg/l	5	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	5.0 µg/l	5	"	"	"	"	"	
75-25-2	Bromoform	BRL	5.0 µg/l	5	"	"	"	"	"	
74-83-9	Bromomethane	BRL	10.0 µg/l	5	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	50.0 µg/l	5	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	25.0 µg/l	5	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	5.0 µg/l	5	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
75-00-3	Chloroethane	BRL	10.0 µg/l	5	"	"	"	"	"	
67-66-3	Chloroform	BRL	5.0 µg/l	5	"	"	"	"	"	
74-87-3	Chloromethane	BRL	10.0 µg/l	5	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	5.0 µg/l	5	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	5.0 µg/l	5	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	10.0 µg/l	5	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	5.0 µg/l	5	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.0 µg/l	5	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	5.0 µg/l	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.0 µg/l	5	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/l	5	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	5.0 µg/l	5	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/l	5	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	5.0 µg/l	5	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/l	5	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	5.0 µg/l	5	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	5.0 µg/l	5	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	5.0 µg/l	5	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	5.0 µg/l	5	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.0 µg/l	5	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	50.0 µg/l	5	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	5.0 µg/l	5	"	"	"	"	"	
34-04-4	Methyl tert-butyl ether	BRL	5.0 µg/l	5	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-169 SA34507-02	CEE Project #2005.045	Ground Water	15-Sep-05 13:15	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	50.0 µg/l	5	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	R-04
75-09-2	Methylene chloride	BRL	50.0 µg/l	5	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.0 µg/l	5	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
100-42-5	Styrene	BRL	5.0 µg/l	5	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	5.0 µg/l	5	"	"	"	"	"	
108-88-3	Toluene	BRL	5.0 µg/l	5	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	5.0 µg/l	5	"	"	"	"	"	
79-01-6	Trichloroethene	8.5	5.0 µg/l	5	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.0 µg/l	5	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/l	5	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	5.0 µg/l	5	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	5.0 µg/l	5	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	5.0 µg/l	5	"	"	"	"	"	
95-47-6	o-Xylene	BRL	10.0 µg/l	5	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*	*70-130 %*		"	"	"	"	"	

Semivolatile Organic Compounds by GCMS

PAHs by SW846 8270C — Prepared by method SW846 3535

83-32-9	Acenaphthene	BRL	5.56 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
208-96-8	Acenaphthylene	BRL	5.56 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.56 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.56 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.56 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.56 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.56 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.56 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.56 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.56 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.56 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-169	CEE Project	Ground Water	15-Sep-05 13:15	21-Sep-05
SA34507-02	#2005.045			

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
129-00-0	Pyrene	BRL	5.56 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*74.8*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86.5*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.101	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0034	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	24-Sep-05	5091454	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	24-Sep-05	5091453	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0030	0.0025 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-166 SA34507-03	CEE Project #2005.045	Ground Water	15-Sep-05 09:35	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-166 SA34507-03	CEE Project #2005.045	Ground Water	15-Sep-05 09:35	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-167 SA34507-04	CEE Project #2005.045	Ground Water	15-Sep-05 09:40	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050915-167	CEE Project	Ground Water	15-Sep-05 09:40	21-Sep-05
SA34507-04	#2005.045			

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*	*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-170 SA34507-05	CEE Project #2005.045	Ground Water	16-Sep-05 09:00	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-170	CEE Project	Ground Water	16-Sep-05 09:00	21-Sep-05
SA34507-05	#2005.045			

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*	*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-171 SA34507-06	CEE Project #2005.045	Ground Water	16-Sep-05 09:10	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-171 SA34507-06	CEE Project #2005.045	Ground Water	16-Sep-05 09:10	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*106*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*	*70-130 %*		"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-172 SA34507-07	CEE Project #2005.045	Ground Water	16-Sep-05 10:55	21-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	26-Sep-05	26-Sep-05	5091732	KL	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	4.0	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	4.2	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	2.5	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	5.9	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	5.5	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-172 SA34507-07	CEE Project #2005.045	Ground Water	16-Sep-05 10:55	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	26-Sep-05	26-Sep-05	5091732	KL	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	8.5	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*97.6*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.56 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
208-96-8	Acenaphthylene	BRL	5.56 µg/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.56 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	5.56 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.56 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.56 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.56 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.56 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.56 µg/l	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	5.56 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.56 µg/l	1	"	"	"	"	"	
1-44-4	Bis(2-chloroethyl)ether	BRL	5.56 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.56 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-172 SA34507-07	CEE Project #2005.045	Ground Water	16-Sep-05 10:55	21-Sep-05

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds by SW846 8270C Prepared by method SW846 3535

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.56 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.56 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.56 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.56 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.56 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.56 µg/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.56 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.56 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.56 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.56 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.56 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	5.56 µg/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.56 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.56 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.56 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.56 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.56 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.56 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.56 µg/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.56 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.56 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.56 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.56 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.56 µg/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.56 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.56 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.56 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	14.3	5.56 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.56 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	11.1 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.56 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.56 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.56 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	22.2 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	22.2 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.56 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.56 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-172 SA34507-07	CEE Project #2005.045	Ground Water	16-Sep-05 10:55	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3535								
86-30-6	N-Nitrosodiphenylamine	BRL	5.56 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
87-86-5	Pentachlorophenol	BRL	22.2 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.56 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.56 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.56 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.56 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.56 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	23.1	5.56 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.56 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*76.1*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*76.8*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72.5*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*61.4*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87.7*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58.9*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-38-2	Arsenic	0.0189	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.474	0.0025 mg/l	1	"	"	"	"	"	
440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	0.0152	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0412	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	24-Sep-05	5091454	YP	
7440-02-0	Nickel	0.0189	0.0025 mg/l	1	EPA 200.7	"	24-Sep-05	5091453	HB	
7439-92-1	Lead	0.0150	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0469	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0577	0.0025 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-173	CEE Project #2005.045	Ground Water	16-Sep-05 14:00	21-Sep-05
SA34507-08				

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-173 SA34507-08	CEE Project #2005.045	Ground Water	16-Sep-05 14:00	21-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method	SW846 5030 Water MS						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	23-Sep-05	23-Sep-05	5091585	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	4.5	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.2*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method	SW846 3535						
12674-11-2	PCB 1016	BRL	0.205 µg/l	1	SW846 8082	22-Sep-05	23-Sep-05	5091464	MP	
11104-28-2	PCB 1221	BRL	0.205 µg/l	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	0.205 µg/l	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	0.205 µg/l	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	0.205 µg/l	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	0.205 µg/l	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	0.205 µg/l	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	0.205 µg/l	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	0.205 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75.1*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method	SW846 3535						
32-9	Acenaphthene	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
208-96-8	Acenaphthylene	BRL	5.13 µg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-173 SA34507-08	CEE Project #2005.045	Ground Water	16-Sep-05 14:00	21-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3535								
62-53-3	Aniline	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
120-12-7	Anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	5.13 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.13 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.13 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.13 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.13 µg/l	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	5.13 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.13 µg/l	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL	5.13 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.13 µg/l	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.13 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.13 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.13 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.13 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.13 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.13 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	5.13 µg/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.13 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.13 µg/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.13 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.13 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.13 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.13 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.13 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-173 SA34507-08	CEE Project #2005.045	Ground Water	16-Sep-05 14:00	21-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3535								
67-72-1	Hexachloroethane	BRL	5.13 µg/l	1	SW846 8270C	22-Sep-05	25-Sep-05	5091467	M.B	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.13 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.13 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	10.3 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.13 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	20.5 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL	5.13 µg/l	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	BRL	20.5 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.13 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.13 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.13 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.13 µg/l	1	"	"	"	"	"	
20-82-1	1,2,4-Trichlorobenzene	BRL	5.13 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.13 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.13 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*75.0*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*76.1*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74.8*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*60.8*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*90.0*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*50.3*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.115	0.0025 mg/l	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	0.00022	0.00020 mg/l	1	EPA 245.2/7470A	"	24-Sep-05	5091454	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	24-Sep-05	5091453	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
40-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050916-173 SA34507-08	CEE Project #2005.045	Ground Water	16-Sep-05 14:00	21-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Total Metals by EPA 200 Series Methods										
7440-28-0	Thallium	BRL	0.0050 mg/l	1	EPA 200.7	23-Sep-05	24-Sep-05	5091453	HB	
7440-62-2	Vanadium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0199	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	23-Sep-05	23-Sep-05	5091624	YV	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091585 - SW846 5030 Water MS										
Blank (5091585-BLK1)				Prepared & Analyzed: 23-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
etrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091585 - SW846 5030 Water MS										
Blank (5091585-BLK1)				Prepared & Analyzed: 23-Sep-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*48.5*		µg/l	*50.0*		*97.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.7*		µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*53.1*		µg/l	*50.0*		*106*	*70-130*			
LCS (5091585-BS1)				Prepared & Analyzed: 23-Sep-05						
Acetone	16.4		µg/l	20.0		82.0	0.671-198			
Acrylonitrile	18.6		µg/l	20.0		93.0	70-130			
Benzene	19.6		µg/l	20.0		98.0	70-130			
Bromobenzene	24.2		µg/l	20.0		121	70-130			
Bromochloromethane	21.3		µg/l	20.0		106	70-130			
Bromodichloromethane	22.7		µg/l	20.0		114	70-130			
Bromoform	28.1		µg/l	20.0		140	70-130			QC-1
Bromomethane	17.6		µg/l	20.0		88.0	64.5-146			
2-Butanone (MEK)	16.6		µg/l	20.0		83.0	14.3-172			
n-Butylbenzene	21.6		µg/l	20.0		108	70-130			
sec-Butylbenzene	24.4		µg/l	20.0		122	70-130			
tert-Butylbenzene	25.2		µg/l	20.0		126	70-130			
Carbon disulfide	18.7		µg/l	20.0		93.5	70-130			
Carbon tetrachloride	25.1		µg/l	20.0		126	70-130			
Chlorobenzene	23.0		µg/l	20.0		115	70-130			
Chloroethane	19.6		µg/l	20.0		98.0	66.3-135			
Chloroform	19.9		µg/l	20.0		99.5	70-130			
Chloromethane	22.8		µg/l	20.0		114	70-130			
2-Chlorotoluene	23.2		µg/l	20.0		116	70-130			
4-Chlorotoluene	22.6		µg/l	20.0		113	70-130			
1,2-Dibromo-3-chloropropane	26.4		µg/l	20.0		132	70-130			QC-1
Dibromochloromethane	24.7		µg/l	20.0		124	52.9-141			
1,2-Dibromoethane (EDB)	23.2		µg/l	20.0		116	70-130			
Dibromomethane	22.5		µg/l	20.0		112	70-130			
1,2-Dichlorobenzene	22.5		µg/l	20.0		112	70-130			
1,3-Dichlorobenzene	24.2		µg/l	20.0		121	70-130			
1,4-Dichlorobenzene	20.9		µg/l	20.0		104	70-130			
Dichlorodifluoromethane (Freon12)	26.8		µg/l	20.0		134	50.5-203			
1,1-Dichloroethane	20.1		µg/l	20.0		100	70-130			
1,2-Dichloroethane	23.0		µg/l	20.0		115	70-130			
1,1-Dichloroethene	18.9		µg/l	20.0		94.5	70-130			
cis-1,2-Dichloroethene	20.4		µg/l	20.0		102	70-130			
trans-1,2-Dichloroethene	19.9		µg/l	20.0		99.5	70-130			
1,2-Dichloropropane	19.7		µg/l	20.0		98.5	70-130			
1,3-Dichloropropane	20.6		µg/l	20.0		103	70-130			
2,2-Dichloropropane	20.8		µg/l	20.0		104	70-130			
1,1-Dichloropropene	20.3		µg/l	20.0		102	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091585 - SW846 5030 Water MS										
LCS (5091585-BS1)				Prepared & Analyzed: 23-Sep-05						
cis-1,3-Dichloropropene	19.8		µg/l	20.0		99.0	70-130			
trans-1,3-Dichloropropene	21.4		µg/l	20.0		107	70-130			
Ethylbenzene	22.3		µg/l	20.0		112	70-130			
Hexachlorobutadiene	26.6		µg/l	20.0		133	68.9-138			
2-Hexanone (MBK)	18.8		µg/l	20.0		94.0	70-130			
Isopropylbenzene	23.0		µg/l	20.0		115	70-130			
4-Isopropyltoluene	22.9		µg/l	20.0		114	70-130			
Methyl tert-butyl ether	21.5		µg/l	20.0		108	70-130			
4-Methyl-2-pentanone (MIBK)	19.9		µg/l	20.0		99.5	51.5-134			
Methylene chloride	19.9		µg/l	20.0		99.5	70-130			
Naphthalene	25.1		µg/l	20.0		126	70-130			
n-Propylbenzene	22.8		µg/l	20.0		114	70-130			
Styrene	23.0		µg/l	20.0		115	70-130			
1,1,1,2-Tetrachloroethane	24.4		µg/l	20.0		122	70-130			
1,1,2,2-Tetrachloroethane	25.1		µg/l	20.0		126	70-130			
Tetrachloroethene	23.2		µg/l	20.0		116	70-130			
Toluene	20.9		µg/l	20.0		104	70-130			
1,2,3-Trichlorobenzene	24.9		µg/l	20.0		124	70-130			
1,2,4-Trichlorobenzene	23.8		µg/l	20.0		119	70-130			
1,1,1-Trichloroethane	23.4		µg/l	20.0		117	70-130			
1,1,2-Trichloroethane	21.7		µg/l	20.0		108	70-130			
Trichloroethene	21.2		µg/l	20.0		106	70-130			
Trichlorofluoromethane (Freon 11)	25.8		µg/l	20.0		129	70-143			
1,2,3-Trichloropropane	23.5		µg/l	20.0		118	70-130			
1,2,4-Trimethylbenzene	24.1		µg/l	20.0		120	70-130			
1,3,5-Trimethylbenzene	23.8		µg/l	20.0		119	70-130			
Vinyl chloride	27.6		µg/l	20.0		138	70-130			QC-1
m,p-Xylene	46.0		µg/l	40.0		115	70-130			
o-Xylene	23.8		µg/l	20.0		119	70-130			
Surrogate: 4-Bromofluorobenzene	*55.2*		µg/l	*50.0*		*110*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.3*		µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*52.6*		µg/l	*50.0*		*105*	*70-130*			
LCS Dup (5091585-BSD1)				Prepared & Analyzed: 23-Sep-05						
Acetone	15.3		µg/l	20.0		76.5	0.671-198	6.94	50	
Acrylonitrile	18.9		µg/l	20.0		94.5	70-130	1.60	25	
Benzene	19.0		µg/l	20.0		95.0	70-130	3.11	25	
Bromobenzene	22.0		µg/l	20.0		110	70-130	9.52	25	
Bromochloromethane	21.8		µg/l	20.0		109	70-130	2.79	25	
Bromodichloromethane	23.4		µg/l	20.0		117	70-130	2.60	25	
Bromoform	25.6		µg/l	20.0		128	70-130	8.96	25	
Bromomethane	16.8		µg/l	20.0		84.0	64.5-146	4.65	50	
2-Butanone (MEK)	16.6		µg/l	20.0		83.0	14.3-172	0.00	50	
n-Butylbenzene	20.6		µg/l	20.0		103	70-130	4.74	25	
sec-Butylbenzene	21.6		µg/l	20.0		108	70-130	12.2	25	
tert-Butylbenzene	22.8		µg/l	20.0		114	70-130	10.0	25	
Carbon disulfide	18.4		µg/l	20.0		92.0	70-130	1.62	25	
Carbon tetrachloride	24.7		µg/l	20.0		124	70-130	1.60	25	
Chlorobenzene	21.5		µg/l	20.0		108	70-130	6.28	25	
Chloroethane	17.8		µg/l	20.0		89.0	66.3-135	9.63	50	
Chloroform	19.9		µg/l	20.0		99.5	70-130	0.00	25	
Chloromethane	19.5		µg/l	20.0		97.5	70-130	15.6	25	
2-Chlorotoluene	21.5		µg/l	20.0		108	70-130	7.14	25	
4-Chlorotoluene	21.1		µg/l	20.0		106	70-130	6.39	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091585 - SW846 5030 Water MS										
LCS Dup (5091585-BSD1)				Prepared & Analyzed: 23-Sep-05						
1,2-Dibromo-3-chloropropane	24.3		µg/l	20.0		122	70-130	7.87	25	
Dibromochloromethane	24.0		µg/l	20.0		120	52.9-141	3.28	50	
1,2-Dibromoethane (EDB)	21.5		µg/l	20.0		108	70-130	7.14	25	
Dibromomethane	21.7		µg/l	20.0		108	70-130	3.64	25	
1,2-Dichlorobenzene	22.4		µg/l	20.0		112	70-130	0.00	25	
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130	9.52	25	
1,4-Dichlorobenzene	20.8		µg/l	20.0		104	70-130	0.00	25	
Dichlorodifluoromethane (Freon12)	25.6		µg/l	20.0		128	50.5-203	4.58	50	
1,1-Dichloroethane	20.6		µg/l	20.0		103	70-130	2.96	25	
1,2-Dichloroethane	23.5		µg/l	20.0		118	70-130	2.58	25	
1,1-Dichloroethene	19.5		µg/l	20.0		97.5	70-130	3.12	25	
cis-1,2-Dichloroethene	21.5		µg/l	20.0		108	70-130	5.71	25	
trans-1,2-Dichloroethene	19.9		µg/l	20.0		99.5	70-130	0.00	25	
1,2-Dichloropropane	20.0		µg/l	20.0		100	70-130	1.51	25	
1,3-Dichloropropane	19.8		µg/l	20.0		99.0	70-130	3.96	25	
2,2-Dichloropropane	20.0		µg/l	20.0		100	70-130	3.92	25	
1,1-Dichloropropene	20.1		µg/l	20.0		100	70-130	1.98	25	
cis-1,3-Dichloropropene	19.8		µg/l	20.0		99.0	70-130	0.00	25	
trans-1,3-Dichloropropene	20.5		µg/l	20.0		102	70-130	4.78	25	
Ethylbenzene	20.8		µg/l	20.0		104	70-130	7.41	25	
Hexachlorobutadiene	22.5		µg/l	20.0		112	68.9-138	17.1	50	
2-Hexanone (MBK)	15.1		µg/l	20.0		75.5	70-130	21.8	25	
Isopropylbenzene	21.3		µg/l	20.0		106	70-130	8.14	25	
4-Isopropyltoluene	22.4		µg/l	20.0		112	70-130	1.77	25	
Methyl tert-butyl ether	21.3		µg/l	20.0		106	70-130	1.87	25	
4-Methyl-2-pentanone (MIBK)	17.9		µg/l	20.0		89.5	51.5-134	10.6	50	
Methylene chloride	19.6		µg/l	20.0		98.0	70-130	1.52	25	
Naphthalene	22.8		µg/l	20.0		114	70-130	10.0	25	
n-Propylbenzene	20.7		µg/l	20.0		104	70-130	9.17	25	
Styrene	21.2		µg/l	20.0		106	70-130	8.14	25	
1,1,1,2-Tetrachloroethane	23.2		µg/l	20.0		116	70-130	5.04	25	
1,1,2,2-Tetrachloroethane	22.0		µg/l	20.0		110	70-130	13.6	25	
Tetrachloroethene	24.9		µg/l	20.0		124	70-130	6.67	25	
Toluene	19.4		µg/l	20.0		97.0	70-130	6.97	25	
1,2,3-Trichlorobenzene	22.9		µg/l	20.0		114	70-130	8.40	25	
1,2,4-Trichlorobenzene	22.6		µg/l	20.0		113	70-130	5.17	25	
1,1,1-Trichloroethane	23.3		µg/l	20.0		116	70-130	0.858	25	
1,1,2-Trichloroethane	20.7		µg/l	20.0		104	70-130	3.77	25	
Trichloroethene	20.4		µg/l	20.0		102	70-130	3.85	25	
Trichlorofluoromethane (Freon 11)	25.4		µg/l	20.0		127	70-143	1.56	50	
1,2,3-Trichloropropane	21.2		µg/l	20.0		106	70-130	10.7	25	
1,2,4-Trimethylbenzene	22.6		µg/l	20.0		113	70-130	6.01	25	
1,3,5-Trimethylbenzene	22.1		µg/l	20.0		110	70-130	7.86	25	
Vinyl chloride	25.9		µg/l	20.0		130	70-130	5.97	25	
m,p-Xylene	41.8		µg/l	40.0		104	70-130	10.0	25	
o-Xylene	22.3		µg/l	20.0		112	70-130	6.06	25	
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*47.6*		µg/l	*50.0*		*95.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*57.2*		µg/l	*50.0*		*114*	*70-130*			
Surrogate: Dibromofluoromethane	*54.9*		µg/l	*50.0*		*110*	*70-130*			
Matrix Spike (5091585-MS1)		**Source: SA34198-04**		Prepared & Analyzed: 23-Sep-05						
Benzene	19.1		µg/l	20.0	BRL	95.5	70-130			
Chlorobenzene	23.4		µg/l	20.0	BRL	117	70-130			
1,1-Dichloroethene	17.4		µg/l	20.0	BRL	87.0	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091585 - SW846 5030 Water MS										
Matrix Spike (5091585-MS1)		**Source: SA34198-04**		Prepared & Analyzed: 23-Sep-05						
Toluene	20.4		µg/l	20.0	BRL	102	70-130			
Trichloroethene	20.9		µg/l	20.0	BRL	104	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		µg/l	*50.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*49.6*		µg/l	*50.0*		*99.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*58.8*		µg/l	*50.0*		*118*	*70-130*			
Surrogate: Dibromofluoromethane	*55.7*		µg/l	*50.0*		*111*	*70-130*			
Matrix Spike Dup (5091585-MSD1)		**Source: SA34198-04**		Prepared & Analyzed: 23-Sep-05						
Benzene	18.7		µg/l	20.0	BRL	93.5	70-130	2.12	30	
Chlorobenzene	23.2		µg/l	20.0	BRL	116	70-130	0.858	30	
1,1-Dichloroethene	17.8		µg/l	20.0	BRL	89.0	70-130	2.27	30	
Toluene	20.0		µg/l	20.0	BRL	100	70-130	1.98	30	
Trichloroethene	19.8		µg/l	20.0	BRL	99.0	70-130	4.93	30	
Surrogate: 4-Bromofluorobenzene	*55.0*		µg/l	*50.0*		*110*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*57.4*		µg/l	*50.0*		*115*	*70-130*			
Surrogate: Dibromofluoromethane	*53.8*		µg/l	*50.0*		*108*	*70-130*			
Batch 5091732 - SW846 5030 Water MS										
Blank (5091732-BLK1)				Prepared & Analyzed: 26-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091732 - SW846 5030 Water MS										
Blank (5091732-BLK1)				Prepared & Analyzed: 26-Sep-05						
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*46.5*		µg/l	*50.0*		*93.0*	*70-130*			
Surrogate: Toluene-d8	*53.4*		µg/l	*50.0*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/l	*50.0*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*53.2*		µg/l	*50.0*		*106*	*70-130*			
LCS (5091732-BS1)				Prepared & Analyzed: 26-Sep-05						
Acetone	8.0		µg/l	20.0		40.0	0.671-198			
Acrylonitrile	19.2		µg/l	20.0		96.0	70-130			
Benzene	21.8		µg/l	20.0		109	70-130			
Bromobenzene	22.4		µg/l	20.0		112	70-130			
Bromochloromethane	20.8		µg/l	20.0		104	70-130			
Bromodichloromethane	21.6		µg/l	20.0		108	70-130			
Bromoform	21.6		µg/l	20.0		108	70-130			
Bromomethane	21.1		µg/l	20.0		106	64.5-146			
2-Butanone (MEK)	18.5		µg/l	20.0		92.5	14.3-172			
n-Butylbenzene	20.3		µg/l	20.0		102	70-130			
sec-Butylbenzene	20.4		µg/l	20.0		102	70-130			
tert-Butylbenzene	20.4		µg/l	20.0		102	70-130			
Carbon disulfide	22.5		µg/l	20.0		112	70-130			
Carbon tetrachloride	24.1		µg/l	20.0		120	70-130			
Chlorobenzene	20.2		µg/l	20.0		101	70-130			
Chloroethane	22.7		µg/l	20.0		114	66.3-135			
Chloroform	20.5		µg/l	20.0		102	70-130			
Chloromethane	27.2		µg/l	20.0		136	49.2-178			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091732 - SW846 5030 Water MS										
LCS (5091732-BS1)				Prepared & Analyzed: 26-Sep-05						
2-Chlorotoluene	20.5		µg/l	20.0		102	70-130			
4-Chlorotoluene	19.8		µg/l	20.0		99.0	70-130			
1,2-Dibromo-3-chloropropane	21.6		µg/l	20.0		108	70-130			
Dibromochloromethane	21.4		µg/l	20.0		107	52.9-141			
1,2-Dibromoethane (EDB)	20.1		µg/l	20.0		100	70-130			
Dibromomethane	20.6		µg/l	20.0		103	70-130			
1,2-Dichlorobenzene	21.8		µg/l	20.0		109	70-130			
1,3-Dichlorobenzene	20.1		µg/l	20.0		100	70-130			
1,4-Dichlorobenzene	19.9		µg/l	20.0		99.5	70-130			
Dichlorodifluoromethane (Freon12)	29.0		µg/l	20.0		145	50.5-203			
1,1-Dichloroethane	22.8		µg/l	20.0		114	70-130			
1,2-Dichloroethane	20.2		µg/l	20.0		101	70-130			
1,1-Dichloroethene	22.8		µg/l	20.0		114	70-130			
cis-1,2-Dichloroethene	22.8		µg/l	20.0		114	70-130			
trans-1,2-Dichloroethene	22.3		µg/l	20.0		112	70-130			
1,2-Dichloropropane	20.5		µg/l	20.0		102	70-130			
1,3-Dichloropropane	20.1		µg/l	20.0		100	70-130			
2,2-Dichloropropane	21.6		µg/l	20.0		108	70-130			
1,1-Dichloropropene	23.3		µg/l	20.0		116	70-130			
cis-1,3-Dichloropropene	21.0		µg/l	20.0		105	70-130			
trans-1,3-Dichloropropene	21.7		µg/l	20.0		108	70-130			
Ethylbenzene	20.4		µg/l	20.0		102	70-130			
Hexachlorobutadiene	25.5		µg/l	20.0		128	68.9-138			
2-Hexanone (MBK)	22.8		µg/l	20.0		114	70-130			
Isopropylbenzene	22.3		µg/l	20.0		112	70-130			
4-Isopropyltoluene	21.0		µg/l	20.0		105	70-130			
Methyl tert-butyl ether	21.1		µg/l	20.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	20.6		µg/l	20.0		103	51.5-134			
Methylene chloride	23.1		µg/l	20.0		116	70-130			
Naphthalene	21.1		µg/l	20.0		106	70-130			
n-Propylbenzene	19.8		µg/l	20.0		99.0	70-130			
Styrene	20.3		µg/l	20.0		102	70-130			
1,1,1,2-Tetrachloroethane	21.6		µg/l	20.0		108	70-130			
1,1,2,2-Tetrachloroethane	20.9		µg/l	20.0		104	70-130			
Tetrachloroethene	22.3		µg/l	20.0		112	70-130			
Toluene	20.3		µg/l	20.0		102	70-130			
1,2,3-Trichlorobenzene	24.0		µg/l	20.0		120	70-130			
1,2,4-Trichlorobenzene	23.2		µg/l	20.0		116	70-130			
1,1,1-Trichloroethane	23.2		µg/l	20.0		116	70-130			
1,1,2-Trichloroethane	21.1		µg/l	20.0		106	70-130			
Trichloroethene	21.1		µg/l	20.0		106	70-130			
Trichlorofluoromethane (Freon 11)	25.8		µg/l	20.0		129	70-143			
1,2,3-Trichloropropane	22.0		µg/l	20.0		110	70-130			
1,2,4-Trimethylbenzene	20.1		µg/l	20.0		100	70-130			
1,3,5-Trimethylbenzene	19.6		µg/l	20.0		98.0	70-130			
Vinyl chloride	22.7		µg/l	20.0		114	70-130			
m,p-Xylene	45.0		µg/l	40.0		112	70-130			
o-Xylene	20.4		µg/l	20.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l	*50.0*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*51.4*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.8*		µg/l	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*51.9*		µg/l	*50.0*		*104*	*70-130*			
LCS Dup (5091732-BSD1)				Prepared & Analyzed: 26-Sep-05						
Acetone	8.5		µg/l	20.0		42.5	0.671-198	6.06	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091732 - SW846 5030 Water MS										
LCS Dup (5091732-BSD1)				Prepared & Analyzed: 26-Sep-05						
Acrylonitrile	20.6		µg/l	20.0		103	70-130	7.04	25	
Benzene	20.4		µg/l	20.0		102	70-130	6.64	25	
Bromobenzene	21.1		µg/l	20.0		106	70-130	5.50	25	
Bromochloromethane	23.0		µg/l	20.0		115	70-130	10.0	25	
Bromodichloromethane	21.7		µg/l	20.0		108	70-130	0.00	25	
Bromoform	21.7		µg/l	20.0		108	70-130	0.00	25	
Bromomethane	22.2		µg/l	20.0		111	64.5-146	4.61	50	
2-Butanone (MEK)	21.6		µg/l	20.0		108	14.3-172	15.5	50	
n-Butylbenzene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
sec-Butylbenzene	19.5		µg/l	20.0		97.5	70-130	4.51	25	
tert-Butylbenzene	19.4		µg/l	20.0		97.0	70-130	5.03	25	
Carbon disulfide	22.4		µg/l	20.0		112	70-130	0.00	25	
Carbon tetrachloride	22.9		µg/l	20.0		114	70-130	5.13	25	
Chlorobenzene	19.9		µg/l	20.0		99.5	70-130	1.50	25	
Chloroethane	22.6		µg/l	20.0		113	66.3-135	0.881	50	
Chloroform	20.9		µg/l	20.0		104	70-130	1.94	25	
Chloromethane	26.6		µg/l	20.0		133	49.2-178	2.23	25	
2-Chlorotoluene	19.8		µg/l	20.0		99.0	70-130	2.99	25	
4-Chlorotoluene	19.6		µg/l	20.0		98.0	70-130	1.02	25	
1,2-Dibromo-3-chloropropane	24.0		µg/l	20.0		120	70-130	10.5	25	
Dibromochloromethane	22.7		µg/l	20.0		114	52.9-141	6.33	50	
1,2-Dibromoethane (EDB)	22.1		µg/l	20.0		110	70-130	9.52	25	
Dibromomethane	21.5		µg/l	20.0		108	70-130	4.74	25	
1,2-Dichlorobenzene	22.0		µg/l	20.0		110	70-130	0.913	25	
1,3-Dichlorobenzene	19.2		µg/l	20.0		96.0	70-130	4.08	25	
1,4-Dichlorobenzene	19.4		µg/l	20.0		97.0	70-130	2.54	25	
Dichlorodifluoromethane (Freon12)	30.1		µg/l	20.0		150	50.5-203	3.39	50	
1,1-Dichloroethane	22.8		µg/l	20.0		114	70-130	0.00	25	
1,2-Dichloroethane	21.3		µg/l	20.0		106	70-130	4.83	25	
1,1-Dichloroethene	22.2		µg/l	20.0		111	70-130	2.67	25	
cis-1,2-Dichloroethene	22.8		µg/l	20.0		114	70-130	0.00	25	
trans-1,2-Dichloroethene	23.7		µg/l	20.0		118	70-130	5.22	25	
1,2-Dichloropropane	21.0		µg/l	20.0		105	70-130	2.90	25	
1,3-Dichloropropane	21.3		µg/l	20.0		106	70-130	5.83	25	
2,2-Dichloropropane	21.7		µg/l	20.0		108	70-130	0.00	25	
1,1-Dichloropropene	23.0		µg/l	20.0		115	70-130	0.866	25	
cis-1,3-Dichloropropene	21.8		µg/l	20.0		109	70-130	3.74	25	
trans-1,3-Dichloropropene	22.4		µg/l	20.0		112	70-130	3.64	25	
Ethylbenzene	21.0		µg/l	20.0		105	70-130	2.90	25	
Hexachlorobutadiene	23.6		µg/l	20.0		118	68.9-138	8.13	50	
2-Hexanone (MBK)	23.8		µg/l	20.0		119	70-130	4.29	25	
Isopropylbenzene	21.6		µg/l	20.0		108	70-130	3.64	25	
4-Isopropyltoluene	20.5		µg/l	20.0		102	70-130	2.90	25	
Methyl tert-butyl ether	22.9		µg/l	20.0		114	70-130	7.27	25	
4-Methyl-2-pentanone (MIBK)	21.9		µg/l	20.0		110	51.5-134	6.57	50	
Methylene chloride	22.8		µg/l	20.0		114	70-130	1.74	25	
Naphthalene	21.5		µg/l	20.0		108	70-130	1.87	25	
n-Propylbenzene	19.0		µg/l	20.0		95.0	70-130	4.12	25	
Styrene	19.6		µg/l	20.0		98.0	70-130	4.00	25	
1,1,1,2-Tetrachloroethane	20.8		µg/l	20.0		104	70-130	3.77	25	
1,1,2,2-Tetrachloroethane	21.2		µg/l	20.0		106	70-130	1.90	25	
Tetrachloroethene	22.6		µg/l	20.0		113	70-130	0.889	25	
Toluene	22.6		µg/l	20.0		113	70-130	10.2	25	
1,2,3-Trichlorobenzene	23.7		µg/l	20.0		118	70-130	1.68	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091732 - SW846 5030 Water MS										
LCS Dup (5091732-BSD1)				Prepared & Analyzed: 26-Sep-05						
1,2,4-Trichlorobenzene	22.5		µg/l	20.0		112	70-130	3.51	25	
1,1,1-Trichloroethane	22.9		µg/l	20.0		114	70-130	1.74	25	
1,1,2-Trichloroethane	21.7		µg/l	20.0		108	70-130	1.87	25	
Trichloroethene	21.7		µg/l	20.0		108	70-130	1.87	25	
Trichlorofluoromethane (Freon 11)	25.5		µg/l	20.0		128	70-143	0.778	50	
1,2,3-Trichloropropane	22.8		µg/l	20.0		114	70-130	3.57	25	
1,2,4-Trimethylbenzene	20.8		µg/l	20.0		104	70-130	3.92	25	
1,3,5-Trimethylbenzene	19.3		µg/l	20.0		96.5	70-130	1.54	25	
Vinyl chloride	22.2		µg/l	20.0		111	70-130	2.67	25	
m,p-Xylene	47.6		µg/l	40.0		119	70-130	6.06	25	
o-Xylene	21.6		µg/l	20.0		108	70-130	5.71	25	
Surrogate: 4-Bromofluorobenzene	*48.1*		µg/l	*50.0*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*52.0*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*52.2*		µg/l	*50.0*		*104*	*70-130*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091464 - SW846 3535										
Blank (5091464-BLK1)				Prepared: 22-Sep-05 Analyzed: 23-Sep-05						
PCB 1016	BRL	0.200	µg/l							
PCB 1221	BRL	0.200	µg/l							
PCB 1232	BRL	0.200	µg/l							
PCB 1242	BRL	0.200	µg/l							
PCB 1248	BRL	0.200	µg/l							
PCB 1254	BRL	0.200	µg/l							
PCB 1260	BRL	0.200	µg/l							
PCB 1262	BRL	0.200	µg/l							
PCB 1268	BRL	0.200	µg/l							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l	*0.200*		*60.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l	*0.200*		*75.0*	*30-150*			
LCS (5091464-BS1)				Prepared: 22-Sep-05 Analyzed: 23-Sep-05						
PCB 1016	2.43	0.200	µg/l	2.50		97.2	40-140			
PCB 1260	1.99	0.200	µg/l	2.50		79.6	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.150*		µg/l	*0.200*		*75.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.160*		µg/l	*0.200*		*80.0*	*30-150*			
Duplicate (5091464-DUP1)		**Source: SA34378-08**		Prepared: 22-Sep-05 Analyzed: 23-Sep-05						
PCB 1016	BRL	0.222	µg/l		BRL				40	
PCB 1221	BRL	0.222	µg/l		BRL				40	
PCB 1232	BRL	0.222	µg/l		BRL				40	
PCB 1242	BRL	0.222	µg/l		BRL				40	
PCB 1248	BRL	0.222	µg/l		BRL				40	
PCB 1254	BRL	0.222	µg/l		BRL				40	
PCB 1260	BRL	0.222	µg/l		BRL				40	
PCB 1262	BRL	0.222	µg/l		BRL				40	
PCB 1268	BRL	0.222	µg/l		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.119*		µg/l	*0.222*		*53.6*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.131*		µg/l	*0.222*		*59.0*	*30-150*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091467 - SW846 3535										
Blank (5091467-BLK1)				Prepared: 22-Sep-05 Analyzed: 24-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthene	BRL	2.50	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Acenaphthylene	BRL	2.50	µg/l							
Aniline	BRL	5.00	µg/l							
Anthracene	BRL	2.50	µg/l							
Anthracene	BRL	5.00	µg/l							
Atrazine	BRL	5.00	µg/l							
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l							
Benzidine	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	2.50	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	2.50	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	2.50	µg/l							
Benzo (g,h,i) perylene	BRL	2.50	µg/l							
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	2.50	µg/l							
Benzoic acid	BRL	5.00	µg/l							
Benzyl alcohol	BRL	5.00	µg/l							
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l							
Bis(2-chloroethyl)ether	BRL	5.00	µg/l							
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l							
Bis(2-ethylhexyl)phthalate	BRL	5.00	µg/l							
4-Bromophenyl phenyl ether	BRL	5.00	µg/l							
Butyl benzyl phthalate	BRL	5.00	µg/l							
Carbazole	BRL	5.00	µg/l							
4-Chloro-3-methylphenol	BRL	5.00	µg/l							
4-Chloroaniline	BRL	5.00	µg/l							
2-Chloronaphthalene	BRL	5.00	µg/l							
2-Chlorophenol	BRL	5.00	µg/l							
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l							
Chrysene	BRL	2.50	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	2.50	µg/l							
Dibenzofuran	BRL	5.00	µg/l							
1,2-Dichlorobenzene	BRL	5.00	µg/l							
1,3-Dichlorobenzene	BRL	5.00	µg/l							
1,4-Dichlorobenzene	BRL	5.00	µg/l							
3,3′-Dichlorobenzidine	BRL	5.00	µg/l							
2,4-Dichlorophenol	BRL	5.00	µg/l							
Diethyl phthalate	BRL	5.00	µg/l							
Dimethyl phthalate	BRL	5.00	µg/l							
2,4-Dimethylphenol	BRL	5.00	µg/l							
Di-n-butyl phthalate	BRL	5.00	µg/l							
4,6-Dinitro-2-methylphenol	BRL	5.00	µg/l							
2,4-Dinitrophenol	BRL	5.00	µg/l							
2,4-Dinitrotoluene	BRL	5.00	µg/l							
2,6-Dinitrotoluene	BRL	5.00	µg/l							
Di-n-octyl phthalate	BRL	5.00	µg/l							
Fluoranthene	BRL	2.50	µg/l							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091467 - SW846 3535										
Blank (5091467-BLK1)				Prepared: 22-Sep-05 Analyzed: 24-Sep-05						
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Fluorene	BRL	2.50	µg/l							
Hexachlorobenzene	BRL	5.00	µg/l							
Hexachlorobutadiene	BRL	5.00	µg/l							
Hexachlorocyclopentadiene	BRL	5.00	µg/l							
Hexachloroethane	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	2.50	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	2.50	µg/l							
Isophorone	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	2.50	µg/l							
2-Methylphenol	BRL	5.00	µg/l							
3,4-Methylphenol	BRL	10.0	µg/l							
Naphthalene	BRL	5.00	µg/l							
Naphthalene	BRL	2.50	µg/l							
2-Nitroaniline	BRL	5.00	µg/l							
3-Nitroaniline	BRL	5.00	µg/l							
4-Nitroaniline	BRL	20.0	µg/l							
Nitrobenzene	BRL	5.00	µg/l							
2-Nitrophenol	BRL	5.00	µg/l							
4-Nitrophenol	BRL	20.0	µg/l							
N-Nitrosodimethylamine	BRL	5.00	µg/l							
N-Nitrosodi-n-propylamine	BRL	5.00	µg/l							
N-Nitrosodiphenylamine	BRL	5.00	µg/l							
Pentachlorophenol	BRL	20.0	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Phenanthrene	BRL	2.50	µg/l							
Phenol	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Pyrene	BRL	2.50	µg/l							
Pyridine	BRL	5.00	µg/l							
1,2,4-Trichlorobenzene	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
2,4,5-Trichlorophenol	BRL	5.00	µg/l							
2,4,6-Trichlorophenol	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*107*		µg/l	*100*		*107*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*107*		µg/l	*100*		*107*	*30-130*			
Surrogate: 2-Fluorophenol	*109*		µg/l	*100*		*109*	*15-110*			
Surrogate: Nitrobenzene-d5	*102*		µg/l	*100*		*102*	*30-130*			
Surrogate: Phenol-d5	*94.1*		µg/l	*100*		*94.1*	*15-110*			
Surrogate: Terphenyl-dl4	*127*		µg/l	*100*		*127*	*30-130*			
Surrogate: Terphenyl-dl4	*127*		µg/l	*100*		*127*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*68.4*		µg/l	*100*		*68.4*	*15-110*			
LCS (5091467-BS1)				Prepared: 22-Sep-05 Analyzed: 24-Sep-05						
Acenaphthene	61.3	2.50	µg/l	100		61.3	40-140			
Acenaphthene	61.3	5.00	µg/l	100		61.3	40-130			
Acenaphthylene	62.2	2.50	µg/l	100		62.2	40-140			
Acenaphthylene	62.2	5.00	µg/l	100		62.2	40-130			
Aniline	41.0	5.00	µg/l	100		41.0	40-130			
Anthracene	71.5	5.00	µg/l	100		71.5	40-130			
Anthracene	71.5	2.50	µg/l	100		71.5	40-140			
Atrazine	65.6	5.00	µg/l	100		65.6	0-200			

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091467 - SW846 3535										
LCS (5091467-BS1)				Prepared: 22-Sep-05 Analyzed: 24-Sep-05						
Azobenzene/Diphenyldiazine	62.7	5.00	µg/l	100		62.7	40-130			
Benzidine	70.0	5.00	µg/l	100		70.0	40-130			QC-1
Benzo (a) anthracene	68.0	5.00	µg/l	100		68.0	40-130			
Benzo (a) anthracene	68.0	2.50	µg/l	100		68.0	40-140			
Benzo (a) pyrene	71.6	5.00	µg/l	100		71.6	40-130			
Benzo (a) pyrene	71.6	2.50	µg/l	100		71.6	40-140			
Benzo (b) fluoranthene	69.8	5.00	µg/l	100		69.8	40-130			
Benzo (b) fluoranthene	69.8	2.50	µg/l	100		69.8	40-140			
Benzo (g,h,i) perylene	57.5	2.50	µg/l	100		57.5	40-140			
Benzo (g,h,i) perylene	57.5	5.00	µg/l	100		57.5	40-130			
Benzo (k) fluoranthene	74.6	2.50	µg/l	100		74.6	40-140			
Benzo (k) fluoranthene	74.6	5.00	µg/l	100		74.6	40-130			
Benzoic acid	43.8	5.00	µg/l	100		43.8	40-130			
Benzyl alcohol	44.5	5.00	µg/l	100		44.5	40-130			
Bis(2-chloroethoxy)methane	57.9	5.00	µg/l	100		57.9	40-130			
Bis(2-chloroethyl)ether	59.3	5.00	µg/l	100		59.3	40-130			
Bis(2-chloroisopropyl)ether	52.9	5.00	µg/l	100		52.9	40-130			
Bis(2-ethylhexyl)phthalate	71.1	5.00	µg/l	100		71.1	40-130			
4-Bromophenyl phenyl ether	67.2	5.00	µg/l	100		67.2	40-130			
Butyl benzyl phthalate	67.7	5.00	µg/l	100		67.7	40-130			
Carbazole	80.1	5.00	µg/l	100		80.1	40-130			
4-Chloro-3-methylphenol	60.4	5.00	µg/l	100		60.4	40-130			
4-Chloroaniline	47.0	5.00	µg/l	100		47.0	40-130			
2-Chloronaphthalene	59.3	5.00	µg/l	100		59.3	40-130			
2-Chlorophenol	60.4	5.00	µg/l	100		60.4	40-130			
4-Chlorophenyl phenyl ether	66.7	5.00	µg/l	100		66.7	40-130			
Chrysene	69.8	5.00	µg/l	100		69.8	40-130			
Chrysene	69.8	2.50	µg/l	100		69.8	40-140			
Dibenzo (a,h) anthracene	66.8	2.50	µg/l	100		66.8	40-140			
Dibenzo (a,h) anthracene	66.8	5.00	µg/l	100		66.8	40-130			
Dibenzofuran	61.5	5.00	µg/l	100		61.5	40-130			
1,2-Dichlorobenzene	48.6	5.00	µg/l	100		48.6	40-130			
1,3-Dichlorobenzene	46.6	5.00	µg/l	100		46.6	40-130			
1,4-Dichlorobenzene	49.2	5.00	µg/l	100		49.2	40-130			
3,3'-Dichlorobenzidine	76.7	5.00	µg/l	100		76.7	40-130			
2,4-Dichlorophenol	57.1	5.00	µg/l	100		57.1	40-130			
Diethyl phthalate	67.1	5.00	µg/l	100		67.1	40-130			
Dimethyl phthalate	65.5	5.00	µg/l	100		65.5	40-130			
2,4-Dimethylphenol	56.0	5.00	µg/l	100		56.0	40-130			
Di-n-butyl phthalate	69.7	5.00	µg/l	100		69.7	40-130			
4,6-Dinitro-2-methylphenol	63.9	5.00	µg/l	100		63.9	40-130			
2,4-Dinitrophenol	52.8	5.00	µg/l	100		52.8	40-130			
2,4-Dinitrotoluene	67.8	5.00	µg/l	100		67.8	40-130			
2,6-Dinitrotoluene	69.7	5.00	µg/l	100		69.7	40-130			
Di-n-octyl phthalate	77.4	5.00	µg/l	100		77.4	40-130			
Fluoranthene	72.1	2.50	µg/l	100		72.1	40-140			
Fluoranthene	72.1	5.00	µg/l	100		72.1	40-130			
Fluorene	65.5	2.50	µg/l	100		65.5	40-140			
Fluorene	65.5	5.00	µg/l	100		65.5	40-130			
Hexachlorobenzene	71.1	5.00	µg/l	100		71.1	40-130			
Hexachlorobutadiene	53.4	5.00	µg/l	100		53.4	40-130			
Hexachlorocyclopentadiene	70.7	5.00	µg/l	100		70.7	40-130			QC-1
Hexachloroethane	54.0	5.00	µg/l	100		54.0	40-130			
Indeno (1,2,3-cd) pyrene	60.6	5.00	µg/l	100		60.6	40-130			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091467 - SW846 3535										
LCS (5091467-BS1)				Prepared: 22-Sep-05 Analyzed: 24-Sep-05						
Indeno (1,2,3-cd) pyrene	60.6	2.50	µg/l	100		60.6	40-140			
1-Methylnaphthalene	54.6	2.50	µg/l	100		54.6	40-140			
Isophorone	59.2	5.00	µg/l	100		59.2	40-130			
2-Methylnaphthalene	55.8	5.00	µg/l	100		55.8	40-130			
2-Methylnaphthalene	55.8	2.50	µg/l	100		55.8	40-140			
2-Methylphenol	62.3	5.00	µg/l	100		62.3	40-130			
3,4-Methylphenol	65.4	10.0	µg/l	100		65.4	40-130			
Naphthalene	55.7	5.00	µg/l	100		55.7	40-130			
Naphthalene	55.7	2.50	µg/l	100		55.7	40-140			
2-Nitroaniline	62.0	5.00	µg/l	100		62.0	40-130			
3-Nitroaniline	66.0	5.00	µg/l	100		66.0	40-130			
4-Nitroaniline	76.2	20.0	µg/l	100		76.2	40-130			
Nitrobenzene	55.0	5.00	µg/l	100		55.0	40-130			
2-Nitrophenol	55.0	5.00	µg/l	100		55.0	40-130			
4-Nitrophenol	76.1	20.0	µg/l	100		76.1	40-130			
N-Nitrosodimethylamine	33.9	5.00	µg/l	100		33.9	40-130			QC-1
N-Nitrosodi-n-propylamine	61.6	5.00	µg/l	100		61.6	40-130			
N-Nitrosodiphenylamine	70.7	5.00	µg/l	100		70.7	40-130			
Pentachlorophenol	81.1	20.0	µg/l	100		81.1	40-130			
Phenanthrene	68.0	5.00	µg/l	100		68.0	40-130			
Phenanthrene	68.0	2.50	µg/l	100		68.0	40-140			
Phenol	59.6	5.00	µg/l	100		59.6	40-130			
Pyrene	67.2	2.50	µg/l	100		67.2	40-140			
Pyrene	67.2	5.00	µg/l	100		67.2	40-130			
Pyridine	130	5.00	µg/l	100		130	40-130			
1-Methylnaphthalene	54.6	5.00	µg/l	100		54.6	40-140			
1,2,4-Trichlorobenzene	53.2	5.00	µg/l	100		53.2	40-130			
2,4,5-Trichlorophenol	64.7	5.00	µg/l	100		64.7	40-130			
2,4,6-Trichlorophenol	58.7	5.00	µg/l	100		58.7	40-130			
Surrogate: 2-Fluorobiphenyl	*101*		µg/l	*100*		*101*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*101*		µg/l	*100*		*101*	*30-130*			
Surrogate: 2-Fluorophenol	*92.4*		µg/l	*100*		*92.4*	*15-110*			
Surrogate: Nitrobenzene-d5	*92.5*		µg/l	*100*		*92.5*	*30-130*			
Surrogate: Phenol-d5	*82.1*		µg/l	*100*		*82.1*	*15-110*			
Surrogate: Terphenyl-dl4	*112*		µg/l	*100*		*112*	*30-130*			
Surrogate: Terphenyl-dl4	*112*		µg/l	*100*		*112*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*109*		µg/l	*100*		*109*	*15-110*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091453 - EPA 200 Series										
Blank (5091453-BLK1)				Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Zinc	BRL	0.0025	mg/l							
Nickel	BRL	0.0025	mg/l							
Lead	BRL	0.0038	mg/l							
Antimony	BRL	0.0060	mg/l							
Selenium	BRL	0.0075	mg/l							
Thallium	BRL	0.0050	mg/l							
Barium	BRL	0.0025	mg/l							
Beryllium	BRL	0.0010	mg/l							
Arsenic	BRL	0.0040	mg/l							
Chromium	BRL	0.0025	mg/l							
Vanadium	BRL	0.0025	mg/l							
Silver	BRL	0.0050	mg/l							
Copper	BRL	0.0025	mg/l							
Cadmium	BRL	0.0012	mg/l							
LCS (5091453-BS1)				Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Nickel	0.0989	0.0025	mg/l	0.100		98.9	85-115			
Thallium	0.0994	0.0050	mg/l	0.100		99.4	85-115			
Selenium	0.101	0.0075	mg/l	0.100		101	85-115			
Antimony	0.101	0.0060	mg/l	0.100		101	85-115			
Lead	0.100	0.0038	mg/l	0.100		100	85-115			
Zinc	0.0964	0.0025	mg/l	0.100		96.4	85-115			
Barium	0.0999	0.0025	mg/l	0.100		99.9	85-115			
Copper	0.0965	0.0025	mg/l	0.100		96.5	85-115			
Chromium	0.0969	0.0025	mg/l	0.100		96.9	85-115			
Cadmium	0.0932	0.0012	mg/l	0.100		93.2	85-115			
Beryllium	0.102	0.0010	mg/l	0.100		102	85-115			
Arsenic	0.0936	0.0040	mg/l	0.100		93.6	85-115			
Silver	0.0490	0.0050	mg/l	0.0500		98.0	85-115			
Vanadium	0.0984	0.0025	mg/l	0.100		98.4	85-115			
Duplicate (5091453-DUP1)		**Source: SA34378-03**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Zinc	0.0365	0.0025	mg/l		0.0390			6.62	20	
Lead	0.0125	0.0038	mg/l		0.0120			4.08	20	
Antimony	BRL	0.0060	mg/l		0.0032			13.3	20	
Selenium	BRL	0.0075	mg/l		BRL				20	
Thallium	BRL	0.0050	mg/l		BRL				20	
Nickel	0.0028	0.0025	mg/l		0.0025			11.3	20	
Cadmium	BRL	0.0012	mg/l		BRL				20	
Vanadium	0.0053	0.0025	mg/l		0.0049			7.84	20	
Silver	BRL	0.0050	mg/l		BRL				20	
Arsenic	BRL	0.0040	mg/l		BRL				20	
Barium	0.0246	0.0025	mg/l		0.0240			2.47	20	
Beryllium	BRL	0.0010	mg/l		0.0004			0.00	20	
Chromium	BRL	0.0025	mg/l		BRL				20	
Copper	0.0206	0.0025	mg/l		0.0202			1.96	20	
Duplicate (5091453-DUP2)		**Source: SA34478-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Zinc	BRL	0.0025	mg/l		0.0032			46.2	20	QR-05
Lead	BRL	0.0038	mg/l		BRL				20	
Antimony	BRL	0.0060	mg/l		BRL				20	
Nickel	0.0026	0.0025	mg/l		0.0025			3.92	20	
Selenium	BRL	0.0075	mg/l		BRL				20	
Thallium	BRL	0.0050	mg/l		0.0046			2.20	20	
Silver	BRL	0.0050	mg/l		BRL				20	
Chromium	BRL	0.0025	mg/l		BRL				20	

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091453 - EPA 200 Series										
Duplicate (5091453-DUP2)		**Source: SA34478-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Cadmium	BRL	0.0012	mg/l		BRL				20	
Beryllium	BRL	0.0010	mg/l		BRL				20	
Barium	0.0337	0.0025	mg/l		0.0361			6.88	20	
Arsenic	BRL	0.0040	mg/l		BRL				20	
Copper	0.373	0.0025	mg/l		0.382			2.38	20	
Vanadium	BRL	0.0025	mg/l		0.0017			5.71	20	
Matrix Spike (5091453-MS1)		**Source: SA34378-07**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Nickel	0.0880	0.0025	mg/l	0.100	BRL	88.0	70-130			
Antimony	0.0818	0.0060	mg/l	0.100	0.0021	79.7	70-130			
Selenium	0.0879	0.0075	mg/l	0.100	BRL	87.9	70-130			
Thallium	0.0860	0.0050	mg/l	0.100	BRL	86.0	70-130			
Zinc	0.128	0.0025	mg/l	0.100	0.0364	91.6	70-130			
Lead	0.0878	0.0038	mg/l	0.100	BRL	87.8	70-130			
Vanadium	0.0865	0.0025	mg/l	0.100	BRL	86.5	70-130			
Silver	0.0431	0.0050	mg/l	0.0500	BRL	86.2	70-130			
Chromium	0.0842	0.0025	mg/l	0.100	BRL	84.2	70-130			
Cadmium	0.0842	0.0012	mg/l	0.100	BRL	84.2	70-130			
Beryllium	0.0897	0.0010	mg/l	0.100	0.0001	89.6	70-130			
Arsenic	0.0840	0.0040	mg/l	0.100	BRL	84.0	70-130			
Barium	0.0909	0.0025	mg/l	0.100	0.0035	87.4	70-130			
Copper	0.0913	0.0025	mg/l	0.100	0.0052	86.1	70-130			
Matrix Spike (5091453-MS2)		**Source: SA34507-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Nickel	0.121	0.0025	mg/l	0.100	0.0289	92.1	70-130			
Thallium	0.0842	0.0050	mg/l	0.100	BRL	84.2	70-130			
Selenium	0.0948	0.0075	mg/l	0.100	BRL	94.8	70-130			
Zinc	0.610	0.0025	mg/l	0.100	0.513	97.0	70-130			
Antimony	0.0973	0.0060	mg/l	0.100	0.0074	89.9	70-130			
Lead	0.0904	0.0038	mg/l	0.100	BRL	90.4	70-130			
Barium	0.199	0.0025	mg/l	0.100	0.112	87.0	70-130			
Vanadium	0.0888	0.0025	mg/l	0.100	0.0008	88.0	70-130			
Chromium	0.0852	0.0025	mg/l	0.100	BRL	85.2	70-130			
Beryllium	0.0881	0.0010	mg/l	0.100	BRL	88.1	70-130			
Arsenic	0.0916	0.0040	mg/l	0.100	0.0020	89.6	70-130			
Silver	0.0563	0.0050	mg/l	0.0500	0.0090	94.6	70-130			
Copper	0.117	0.0025	mg/l	0.100	0.0220	95.0	70-130			
Cadmium	0.0866	0.0012	mg/l	0.100	0.0007	85.9	70-130			
Matrix Spike Dup (5091453-MSD1)		**Source: SA34378-07**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Selenium	0.0936	0.0075	mg/l	0.100	BRL	93.6	70-130	6.28	20	
Nickel	0.0914	0.0025	mg/l	0.100	BRL	91.4	70-130	3.79	20	
Antimony	0.0850	0.0060	mg/l	0.100	0.0021	82.9	70-130	3.84	20	
Thallium	0.0878	0.0050	mg/l	0.100	BRL	87.8	70-130	2.07	20	
Zinc	0.128	0.0025	mg/l	0.100	0.0364	91.6	70-130	0.00	20	
Lead	0.0913	0.0038	mg/l	0.100	BRL	91.3	70-130	3.91	20	
Chromium	0.0880	0.0025	mg/l	0.100	BRL	88.0	70-130	4.41	20	
Cadmium	0.0871	0.0012	mg/l	0.100	BRL	87.1	70-130	3.39	20	
Beryllium	0.0929	0.0010	mg/l	0.100	0.0001	92.8	70-130	3.50	20	
Barium	0.0940	0.0025	mg/l	0.100	0.0035	90.5	70-130	3.35	20	
Arsenic	0.0866	0.0040	mg/l	0.100	BRL	86.6	70-130	3.05	20	
Silver	0.0449	0.0050	mg/l	0.0500	BRL	89.8	70-130	4.09	20	
Copper	0.0946	0.0025	mg/l	0.100	0.0052	89.4	70-130	3.55	20	
Vanadium	0.0905	0.0025	mg/l	0.100	BRL	90.5	70-130	4.52	20	
Matrix Spike Dup (5091453-MSD2)		**Source: SA34507-01**		Prepared: 23-Sep-05 Analyzed: 24-Sep-05						

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091453 - EPA 200 Series									
Matrix Spike Dup (5091453-MSD2)		**Source: SA34507-01**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Lead	0.0797	0.0038 mg/l	0.100	BRL	79.7	70-130	12.6	20	
Nickel	0.107	0.0025 mg/l	0.100	0.0289	78.1	70-130	12.3	20	
Antimony	0.0853	0.0060 mg/l	0.100	0.0074	77.9	70-130	13.1	20	
Selenium	0.0806	0.0075 mg/l	0.100	BRL	80.6	70-130	16.2	20	
Thallium	0.0762	0.0050 mg/l	0.100	BRL	76.2	70-130	9.98	20	
Zinc	0.505	0.0025 mg/l	0.100	0.513	NR	70-130	18.8	20	QM-07
Arsenic	0.0813	0.0040 mg/l	0.100	0.0020	79.3	70-130	11.9	20	
Barium	0.174	0.0025 mg/l	0.100	0.112	62.0	70-130	13.4	20	QM-07
Beryllium	0.0761	0.0010 mg/l	0.100	BRL	76.1	70-130	14.6	20	
Cadmium	0.0767	0.0012 mg/l	0.100	0.0007	76.0	70-130	12.1	20	
Chromium	0.0754	0.0025 mg/l	0.100	BRL	75.4	70-130	12.2	20	
Vanadium	0.0794	0.0025 mg/l	0.100	0.0008	78.6	70-130	11.2	20	
Silver	0.0508	0.0050 mg/l	0.0500	0.0090	83.6	70-130	10.3	20	
Copper	0.104	0.0025 mg/l	0.100	0.0220	82.0	70-130	11.8	20	
Batch 5091454 - EPA200/SW7000 Series									
Blank (5091454-BLK1)			Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	BRL	0.00020 mg/l							
LCS (5091454-BS1)			Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00220	0.00020 mg/l	0.00250		88.0	80-120			
Duplicate (5091454-DUP1)		**Source: SA34378-02**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	BRL	0.00020 mg/l		0.00017			34.5	20	QR-04
Duplicate (5091454-DUP2)		**Source: SA34507-02**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	BRL	0.00020 mg/l		0.00014			25.0	20	QR-04
Matrix Spike (5091454-MS1)		**Source: SA34378-06**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00220	0.00020 mg/l	0.00250	0.00017	81.2	75-125			
Matrix Spike (5091454-MS2)		**Source: SA34507-08**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00202	0.00020 mg/l	0.00250	0.00022	72.0	75-125			QM-07
Matrix Spike Dup (5091454-MSD1)		**Source: SA34378-06**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00236	0.00020 mg/l	0.00250	0.00017	87.6	75-125	7.02	20	
Matrix Spike Dup (5091454-MSD2)		**Source: SA34507-08**	Prepared: 23-Sep-05 Analyzed: 24-Sep-05						
Mercury	0.00210	0.00020 mg/l	0.00250	0.00022	75.2	75-125	3.88	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091624 - General Preparation									
Blank (5091624-BLK1)			Prepared & Analyzed: 23-Sep-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5091624-BS1)			Prepared & Analyzed: 23-Sep-05						
Cyanide (total)	0.291	0.0100 mg/l	0.300		97.0	90-110			
Matrix Spike (5091624-MS1)		**Source: SA34326-05**	Prepared & Analyzed: 23-Sep-05						
Cyanide (total)	0.286	0.0100 mg/l	0.300	BRL	95.3	75-125			
Matrix Spike Dup (5091624-MSD1)		**Source: SA34326-05**	Prepared & Analyzed: 23-Sep-05						
Cyanide (total)	0.273	0.0100 mg/l	0.300	BRL	91.0	75-125	4.65	20	
Reference (5091624-SRM1)			Prepared & Analyzed: 23-Sep-05						
Cyanide (total)	0.349	0.0100 mg/l	0.333		105	75.7-125			

Notes and Definitions

QC-1	Analyte out of acceptance range.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
R-04	The Reporting Limits for this analysis are elevated due to sample foaming.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA34507-01 SA34507-02 SA34507-03 SA34507-04 SA34507-05 SA34507-06 SA34507-07 SA34507-08	List Specific Analytical Methods Used: 10-204-00-1-A / SW-8 EPA 200.7 EPA 245.2/7470A SW846 8082 SW846 8260B SW846 8270C
Sample Matrices: Aqueous	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/26/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

SA34588

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____ MW#5013390

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
Consulting Environmental Engineers, Inc.
100 Shield Street
West Hartford, CT 06110
Project Mgr.: M.M. Winfield

Invoice To: M. Winfield | David Ringquist
CEE | CT DEP
100 Shield Street | 79 Elm St.
W. Hartford, CT | Hartford, CT
P.O. No.: 06110 | RQN: 06106

Project No.: CEE Project # 2005.045
Site Name: CT DEP Meriden HUB
Location: East Main and State Streets State: _____
Sampler(s): Meriden, CT JTP and CEC

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed) Yes

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	SVOCs 8270C	Total RCRA 8 Metals	Total Cu, Ni, Zn	Total Sb, Be, Tl, Vn	PAHs only 8270	PCBs by 8082		
A34588-01	CEC050921-176	9-22-05	11:00	G	GW	2,4	2	2		2		X		X			X	X		
02	CEC050921-178	9-22-05	14:55	↓	↓	2,4	↓	1		2		X	X	X	X	X				
03	CEC050921-177	9-22-05	13:05	↓	↓	2	↓					X								
04	CEC050921-175	9-22-05	8:55	↓	↓	2	↓					X								
05	CEC050921-174	9-22-05	8:50	↓	↓	2	↓					X								

per MW See attached

☐ Fax results when available to (____) _____
☒ E-mail to mwinfield@cee.net
EDD Format • PDF format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 6°

Relinquished by:	Received by:	Date:	Time:
Krissa Batterton	[signature]	9-22-05	1330
[signature]	[signature]	9/22/08	255

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

Report Date:
28-Sep-05 16:02

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Laboratory Report

RECEIVED
OCT - 7 2005
CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Consulting Environmental Engineers
100 Shield Street
West Hartford, CT 06110
Attn: Meg Winfield

Project: CT DEP Meriden - HUB
Project #: CEE Project #2005.045

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA34588-01	CEC050921-176	Ground Water	21-Sep-05 11:00	22-Sep-05 14:55
SA34588-02	CEC050921-178	Ground Water	21-Sep-05 14:55	22-Sep-05 14:55
SA34588-03	CEC050921-177	Ground Water	21-Sep-05 13:05	22-Sep-05 14:55
SA34588-04	CEC050921-175	Ground Water	21-Sep-05 08:55	22-Sep-05 14:55
SA34588-05	CEC050921-174	Ground Water	21-Sep-05 08:50	22-Sep-05 14:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 32 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-176 SA34588-01	CEE Project #2005.045	Ground Water	21-Sep-05 11:00	22-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
4-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
34-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-176 SA34588-01	CEE Project #2005.045	Ground Water	21-Sep-05 11:00	22-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	2.4	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	13.5	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*108*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*122*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC										
Polychlorinated Biphenyls by SW846 8082			Prepared by method SW846 3535							
12674-11-2	PCB 1016	BRL	0.211 µg/l	1	SW846 8082	26-Sep-05	27-Sep-05	5091707	TG	
11104-28-2	PCB 1221	BRL	0.211 µg/l	1	"	"	"	"	"	
11141-16-5	PCB 1232	BRL	0.211 µg/l	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	0.211 µg/l	1	"	"	"	"	"	
12672-29-6	PCB 1248	BRL	0.211 µg/l	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	0.211 µg/l	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	0.211 µg/l	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	0.211 µg/l	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	0.211 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79.6*	*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94.8*	*30-150 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.26 µg/l	1	SW846 8270C	26-Sep-05	27-Sep-05	5091706	M.B	
208-96-8	Acenaphthylene	BRL	5.26 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-176 SA34588-01	CEE Project #2005.045	Ground Water	21-Sep-05 11:00	22-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Semivolatile Organic Compounds by GCMS										
PAHs by SW846 8270C			Prepared by method SW846 3535							
120-12-7	Anthracene	BRL	5.26 µg/l	1	SW846 8270C	26-Sep-05	27-Sep-05	5091706	M.B	
56-55-3	Benzo (a) anthracene	BRL	5.26 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.26 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.26 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.26 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.26 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.26 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.26 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.26 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.26 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.26 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL	5.26 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.26 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.26 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.26 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.26 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*64.3*	*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85.3*	*30-130 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	27-Sep-05	27-Sep-05	5091756	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	0.119	0.0025 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	27-Sep-05	5091757	YP	
7439-92-1	Lead	BRL	0.0038 mg/l	1	EPA 200.7	"	27-Sep-05	5091756	HB	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-178 SA34588-02	CEE Project #2005.045	Ground Water	21-Sep-05 14:55	22-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	27-Sep-05	28-Sep-05	5091848	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	1.0	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	1.0	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	1.0	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	1.2	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-178 SA34588-02	CEE Project #2005.045	Ground Water	21-Sep-05 14:55	22-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
olatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	27-Sep-05	28-Sep-05	5091848	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	2.6	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	1.0	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	1.5	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*104*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
83-32-9	Acenaphthene	BRL	5.88 µg/l	1	SW846 8270C	27-Sep-05	27-Sep-05	5091814	M.B	
208-96-8	Acenaphthylene	BRL	5.88 µg/l	1	"	"	"	"	"	
62-53-3	Aniline	BRL	5.88 µg/l	1	"	"	"	"	"	
120-12-7	Anthracene	BRL	5.88 µg/l	1	"	"	"	"	"	
1912-24-9	Atrazine	BRL	5.88 µg/l	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL	5.88 µg/l	1	"	"	"	"	"	
92-87-5	Benzidine	BRL	5.88 µg/l	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL	5.88 µg/l	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL	5.88 µg/l	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL	5.88 µg/l	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL	5.88 µg/l	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL	5.88 µg/l	1	"	"	"	"	"	
65-85-0	Benzoic acid	BRL	5.88 µg/l	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	BRL	5.88 µg/l	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL	5.88 µg/l	1	"	"	"	"	"	
-44-4	Bis(2-chloroethyl)ether	BRL	5.88 µg/l	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	5.88 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-178 SA34588-02	CEE Project #2005.045	Ground Water	21-Sep-05 14:55	22-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C		Prepared by method SW846 3535								
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	5.88 µg/l	1	SW846 8270C	27-Sep-05	27-Sep-05	5091814	M.B	
101-55-3	4-Bromophenyl phenyl ether	BRL	5.88 µg/l	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL	5.88 µg/l	1	"	"	"	"	"	
86-74-8	Carbazole	BRL	5.88 µg/l	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL	5.88 µg/l	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	BRL	5.88 µg/l	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL	5.88 µg/l	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL	5.88 µg/l	1	"	"	"	"	"	
218-01-9	Chrysene	BRL	5.88 µg/l	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL	5.88 µg/l	1	"	"	"	"	"	
132-64-9	Dibenzofuran	BRL	5.88 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
91-94-1	3,3′-Dichlorobenzidine	BRL	5.88 µg/l	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	BRL	5.88 µg/l	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL	5.88 µg/l	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL	5.88 µg/l	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL	5.88 µg/l	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL	5.88 µg/l	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL	5.88 µg/l	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL	5.88 µg/l	1	"	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL	5.88 µg/l	1	"	"	"	"	"	
206-44-0	Fluoranthene	BRL	5.88 µg/l	1	"	"	"	"	"	
86-73-7	Fluorene	BRL	5.88 µg/l	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	5.88 µg/l	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL	5.88 µg/l	1	"	"	"	"	"	
67-72-1	Hexachloroethane	BRL	5.88 µg/l	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	5.88 µg/l	1	"	"	"	"	"	
78-59-1	Isophorone	BRL	5.88 µg/l	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL	5.88 µg/l	1	"	"	"	"	"	
95-48-7	2-Methylphenol	BRL	5.88 µg/l	1	"	"	"	"	"	
108-39-4,106-	3,4-Methylphenol	BRL	11.8 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	5.88 µg/l	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	BRL	5.88 µg/l	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	BRL	5.88 µg/l	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	BRL	23.5 µg/l	1	"	"	"	"	"	
98-95-3	Nitrobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	BRL	23.5 µg/l	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL	5.88 µg/l	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL	5.88 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-178 SA34588-02	CEE Project #2005.045	Ground Water	21-Sep-05 14:55	22-Sep-05

CAS No.	*Analyte(s)*	*Result*	**RDL/Units*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*	*Flag*
Semivolatile Organic Compounds by GCMS										
Semivolatile Organic Compounds by SW846 8270C			Prepared by method SW846 3535							
86-30-6	N-Nitrosodiphenylamine	BRL	5.88 µg/l	1	SW846 8270C	27-Sep-05	27-Sep-05	5091814	M.B	
87-86-5	Pentachlorophenol	BRL	23.5 µg/l	1	"	"	"	"	"	
85-01-8	Phenanthrene	BRL	5.88 µg/l	1	"	"	"	"	"	
108-95-2	Phenol	BRL	5.88 µg/l	1	"	"	"	"	"	
129-00-0	Pyrene	BRL	5.88 µg/l	1	"	"	"	"	"	
110-86-1	Pyridine	BRL	5.88 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	5.88 µg/l	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	8.08	5.88 µg/l	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL	5.88 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
321-60-8	*2-Fluorobiphenyl*	*56.0*	*30-130 %*		"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*56.0*	*15-110 %*		"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53.4*	*30-130 %*		"	"	"	"	"	
4165-62-2	*Phenol-d5*	*41.5*	*15-110 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68.4*	*30-130 %*		"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*41.8*	*15-110 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods										
7440-22-4	Silver	BRL	0.0050 mg/l	1	EPA 200.7	27-Sep-05	27-Sep-05	5091756	HB	
7440-38-2	Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	
7440-39-3	Barium	1.93	0.0025 mg/l	1	"	"	"	"	"	
440-41-7	Beryllium	BRL	0.0010 mg/l	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	
7440-47-3	Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-50-8	Copper	0.0032	0.0025 mg/l	1	"	"	"	"	"	
7439-97-6	Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	"	27-Sep-05	5091757	YP	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	EPA 200.7	"	27-Sep-05	5091756	HB	
7439-92-1	Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	
7440-36-0	Antimony	BRL	0.0060 mg/l	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	0.0050 mg/l	1	"	"	"	"	"	
7440-62-2	Vanadium	0.0056	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0072	0.0025 mg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-177 SA34588-03	CEE Project #2005.045	Ground Water	21-Sep-05 13:05	22-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	27-Sep-05	28-Sep-05	5091848	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	3.0	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	2.4	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	1.1	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-177 SA34588-03	CEE Project #2005.045	Ground Water	21-Sep-05 13:05	22-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	27-Sep-05	28-Sep-05	5091848	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	1.3	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
5-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*108*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.8*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-175	CEE Project #2005.045	Ground Water	21-Sep-05 08:55	22-Sep-05
SA34588-04				

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-175	CEE Project	Ground Water	21-Sep-05 08:55	22-Sep-05
SA34588-04	#2005.045			

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*105*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97.0*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*							

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-174 SA34588-05	CEE Project #2005.045	Ground Water	21-Sep-05 08:50	22-Sep-05

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
67-64-1	Acetone	BRL	20.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	2.0 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	2.0 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	1.0 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	2.0 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CEC050921-174 SA34588-05	CEE Project #2005.045	Ground Water	21-Sep-05 08:50	22-Sep-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
Volatile Organic Compounds by SW846 8260B			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	SW846 8260B	26-Sep-05	27-Sep-05	5091741	KS	
75-09-2	Methylene chloride	BRL	10.0 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	1.0 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	1.0 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	1.0 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l	1	"	"	"	"	"	
[illegible]-47-6	o-Xylene	BRL	1.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*107*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98.6*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*	*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091741 - SW846 5030 Water MS										
Blank (5091741-BLK1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	1.0	µg/l							
2-Butanone (MEK)	BRL	2.0	µg/l							
n-Butylbenzene	BRL	10.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	1.0	µg/l							
Carbon tetrachloride	BRL	5.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	1.0	µg/l							
Chloroform	BRL	2.0	µg/l							
Chloromethane	BRL	1.0	µg/l							
2-Chlorotoluene	BRL	2.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	1.0	µg/l							
Dibromochloromethane	BRL	2.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	1.0	µg/l							
1,1-Dichloroethane	BRL	2.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	1.0	µg/l							
Isopropylbenzene	BRL	10.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	1.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	10.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091741 - SW846 5030 Water MS										
Blank (5091741-BLK1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*63.3*		µg/l	*50.0*		*127*	*70-130*			
Surrogate: Dibromofluoromethane	*57.4*		µg/l	*50.0*		*115*	*70-130*			
LCS (5091741-BS1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Acetone	19.0		µg/l	20.0		95.0	0.671-198			
Acrylonitrile	21.0		µg/l	20.0		105	70-130			
Benzene	19.5		µg/l	20.0		97.5	70-130			
Bromobenzene	22.0		µg/l	20.0		110	70-130			
Bromochloromethane	23.5		µg/l	20.0		118	70-130			
Bromodichloromethane	24.0		µg/l	20.0		120	70-130			
Bromoform	24.4		µg/l	20.0		122	70-130			
Bromomethane	19.1		µg/l	20.0		95.5	64.5-146			
2-Butanone (MEK)	19.2		µg/l	20.0		96.0	14.3-172			
n-Butylbenzene	19.4		µg/l	20.0		97.0	70-130			
sec-Butylbenzene	20.6		µg/l	20.0		103	70-130			
tert-Butylbenzene	22.5		µg/l	20.0		112	70-130			
Carbon disulfide	17.8		µg/l	20.0		89.0	70-130			
Carbon tetrachloride	23.6		µg/l	20.0		118	70-130			
Chlorobenzene	22.0		µg/l	20.0		110	70-130			
Chloroethane	21.1		µg/l	20.0		106	66.3-135			
Chloroform	19.9		µg/l	20.0		99.5	70-130			
Chloromethane	22.8		µg/l	20.0		114	70-130			
2-Chlorotoluene	19.9		µg/l	20.0		99.5	70-130			
4-Chlorotoluene	20.0		µg/l	20.0		100	70-130			
1,2-Dibromo-3-chloropropane	21.9		µg/l	20.0		110	70-130			
Dibromochloromethane	25.7		µg/l	20.0		128	52.9-141			
1,2-Dibromoethane (EDB)	23.7		µg/l	20.0		118	70-130			
Dibromomethane	22.6		µg/l	20.0		113	70-130			
1,2-Dichlorobenzene	22.2		µg/l	20.0		111	70-130			
1,3-Dichlorobenzene	21.9		µg/l	20.0		110	70-130			
1,4-Dichlorobenzene	20.6		µg/l	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	23.8		µg/l	20.0		119	50.5-203			
1,1-Dichloroethane	20.3		µg/l	20.0		102	70-130			
1,2-Dichloroethane	24.5		µg/l	20.0		122	70-130			
1,1-Dichloroethene	19.1		µg/l	20.0		95.5	70-130			
cis-1,2-Dichloroethene	21.1		µg/l	20.0		106	70-130			
trans-1,2-Dichloroethene	19.5		µg/l	20.0		97.5	70-130			
1,2-Dichloropropane	20.9		µg/l	20.0		104	70-130			
1,3-Dichloropropane	21.1		µg/l	20.0		106	70-130			
2,2-Dichloropropane	17.6		µg/l	20.0		88.0	70-130			
1,1-Dichloropropene	19.6		µg/l	20.0		98.0	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091741 - SW846 5030 Water MS										
LCS (5091741-BS1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
cis-1,3-Dichloropropene	20.7		µg/l	20.0		104	70-130			
trans-1,3-Dichloropropene	21.3		µg/l	20.0		106	70-130			
Ethylbenzene	20.0		µg/l	20.0		100	70-130			
Hexachlorobutadiene	24.0		µg/l	20.0		120	68.9-138			
2-Hexanone (MBK)	17.8		µg/l	20.0		89.0	70-130			
Isopropylbenzene	20.7		µg/l	20.0		104	70-130			
4-Isopropyltoluene	22.1		µg/l	20.0		110	70-130			
Methyl tert-butyl ether	22.4		µg/l	20.0		112	70-130			
4-Methyl-2-pentanone (MIBK)	17.4		µg/l	20.0		87.0	51.5-134			
Methylene chloride	20.0		µg/l	20.0		100	70-130			
Naphthalene	22.3		µg/l	20.0		112	70-130			
n-Propylbenzene	19.7		µg/l	20.0		98.5	70-130			
Styrene	21.3		µg/l	20.0		106	70-130			
1,1,1,2-Tetrachloroethane	24.5		µg/l	20.0		122	70-130			
1,1,2,2-Tetrachloroethane	20.0		µg/l	20.0		100	70-130			
Tetrachloroethene	21.4		µg/l	20.0		107	70-130			
Toluene	19.8		µg/l	20.0		99.0	70-130			
1,2,3-Trichlorobenzene	22.4		µg/l	20.0		112	70-130			
1,2,4-Trichlorobenzene	22.0		µg/l	20.0		110	70-130			
1,1,1-Trichloroethane	22.3		µg/l	20.0		112	70-130			
1,1,2-Trichloroethane	21.0		µg/l	20.0		105	70-130			
Trichloroethene	19.9		µg/l	20.0		99.5	70-130			
Trichlorofluoromethane (Freon 11)	21.8		µg/l	20.0		109	70-143			
1,2,3-Trichloropropane	20.3		µg/l	20.0		102	70-130			
1,2,4-Trimethylbenzene	21.9		µg/l	20.0		110	70-130			
1,3,5-Trimethylbenzene	21.8		µg/l	20.0		109	70-130			
Vinyl chloride	22.4		µg/l	20.0		112	70-130			
m,p-Xylene	41.7		µg/l	40.0		104	70-130			
o-Xylene	22.4		µg/l	20.0		112	70-130			
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.2*		µg/l	*50.0*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*61.2*		µg/l	*50.0*		*122*	*70-130*			
Surrogate: Dibromofluoromethane	*56.9*		µg/l	*50.0*		*114*	*70-130*			
LCS Dup (5091741-BSD1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Acetone	21.3		µg/l	20.0		106	0.671-198	10.9	50	
Acrylonitrile	20.5		µg/l	20.0		102	70-130	2.90	25	
Benzene	19.0		µg/l	20.0		95.0	70-130	2.60	25	
Bromobenzene	22.6		µg/l	20.0		113	70-130	2.69	25	
Bromochloromethane	23.5		µg/l	20.0		118	70-130	0.00	25	
Bromodichloromethane	24.1		µg/l	20.0		120	70-130	0.00	25	
Bromoform	23.9		µg/l	20.0		120	70-130	1.65	25	
Bromomethane	18.1		µg/l	20.0		90.5	64.5-146	5.38	50	
2-Butanone (MEK)	18.4		µg/l	20.0		92.0	14.3-172	4.26	50	
n-Butylbenzene	18.8		µg/l	20.0		94.0	70-130	3.14	25	
sec-Butylbenzene	20.5		µg/l	20.0		102	70-130	0.976	25	
tert-Butylbenzene	22.1		µg/l	20.0		110	70-130	1.80	25	
Carbon disulfide	16.3		µg/l	20.0		81.5	70-130	8.80	25	
Carbon tetrachloride	22.4		µg/l	20.0		112	70-130	5.22	25	
Chlorobenzene	21.5		µg/l	20.0		108	70-130	1.83	25	
Chloroethane	20.3		µg/l	20.0		102	66.3-135	3.85	50	
Chloroform	19.4		µg/l	20.0		97.0	70-130	2.54	25	
Chloromethane	20.8		µg/l	20.0		104	70-130	9.17	25	
2-Chlorotoluene	19.9		µg/l	20.0		99.5	70-130	0.00	25	
4-Chlorotoluene	20.6		µg/l	20.0		103	70-130	2.96	25	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091741 - SW846 5030 Water MS										
LCS Dup (5091741-BSD1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
1,2-Dibromo-3-chloropropane	21.9		µg/l	20.0		110	70-130	0.00	25	
Dibromochloromethane	25.8		µg/l	20.0		129	52.9-141	0.778	50	
1,2-Dibromoethane (EDB)	23.7		µg/l	20.0		118	70-130	0.00	25	
Dibromomethane	22.9		µg/l	20.0		114	70-130	0.881	25	
1,2-Dichlorobenzene	21.9		µg/l	20.0		110	70-130	0.905	25	
1,3-Dichlorobenzene	21.8		µg/l	20.0		109	70-130	0.913	25	
1,4-Dichlorobenzene	20.3		µg/l	20.0		102	70-130	0.976	25	
Dichlorodifluoromethane (Freon12)	21.5		µg/l	20.0		108	50.5-203	9.69	50	
1,1-Dichloroethane	20.0		µg/l	20.0		100	70-130	1.98	25	
1,2-Dichloroethane	24.5		µg/l	20.0		122	70-130	0.00	25	
1,1-Dichloroethene	17.7		µg/l	20.0		88.5	70-130	7.61	25	
cis-1,2-Dichloroethene	20.3		µg/l	20.0		102	70-130	3.85	25	
trans-1,2-Dichloroethene	18.5		µg/l	20.0		92.5	70-130	5.26	25	
1,2-Dichloropropane	20.7		µg/l	20.0		104	70-130	0.00	25	
1,3-Dichloropropane	21.1		µg/l	20.0		106	70-130	0.00	25	
2,2-Dichloropropane	17.2		µg/l	20.0		86.0	70-130	2.30	25	
1,1-Dichloropropene	18.8		µg/l	20.0		94.0	70-130	4.17	25	
cis-1,3-Dichloropropene	20.8		µg/l	20.0		104	70-130	0.00	25	
trans-1,3-Dichloropropene	22.1		µg/l	20.0		110	70-130	3.70	25	
Ethylbenzene	19.7		µg/l	20.0		98.5	70-130	1.51	25	
Hexachlorobutadiene	22.9		µg/l	20.0		114	68.9-138	5.13	50	
2-Hexanone (MBK)	17.1		µg/l	20.0		85.5	70-130	4.01	25	
Isopropylbenzene	20.1		µg/l	20.0		100	70-130	3.92	25	
4-Isopropyltoluene	21.5		µg/l	20.0		108	70-130	1.83	25	
Methyl tert-butyl ether	22.5		µg/l	20.0		112	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	16.8		µg/l	20.0		84.0	51.5-134	3.51	50	
Methylene chloride	20.1		µg/l	20.0		100	70-130	0.00	25	
Naphthalene	22.5		µg/l	20.0		112	70-130	0.00	25	
n-Propylbenzene	19.4		µg/l	20.0		97.0	70-130	1.53	25	
Styrene	21.0		µg/l	20.0		105	70-130	0.948	25	
1,1,1,2-Tetrachloroethane	24.0		µg/l	20.0		120	70-130	1.65	25	
1,1,2,2-Tetrachloroethane	20.1		µg/l	20.0		100	70-130	0.00	25	
Tetrachloroethene	21.5		µg/l	20.0		108	70-130	0.930	25	
Toluene	19.6		µg/l	20.0		98.0	70-130	1.02	25	
1,2,3-Trichlorobenzene	22.8		µg/l	20.0		114	70-130	1.77	25	
1,2,4-Trichlorobenzene	22.0		µg/l	20.0		110	70-130	0.00	25	
1,1,1-Trichloroethane	21.6		µg/l	20.0		108	70-130	3.64	25	
1,1,2-Trichloroethane	21.4		µg/l	20.0		107	70-130	1.89	25	
Trichloroethene	19.5		µg/l	20.0		97.5	70-130	2.03	25	
Trichlorofluoromethane (Freon 11)	20.4		µg/l	20.0		102	70-143	6.64	50	
1,2,3-Trichloropropane	20.3		µg/l	20.0		102	70-130	0.00	25	
1,2,4-Trimethylbenzene	21.7		µg/l	20.0		108	70-130	1.83	25	
1,3,5-Trimethylbenzene	21.4		µg/l	20.0		107	70-130	1.85	25	
Vinyl chloride	20.9		µg/l	20.0		104	70-130	7.41	25	
m,p-Xylene	40.9		µg/l	40.0		102	70-130	1.94	25	
o-Xylene	22.1		µg/l	20.0		110	70-130	1.80	25	
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/l	*50.0*		*106*	*70-130*			
Surrogate: Toluene-d8	*49.9*		µg/l	*50.0*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*61.2*		µg/l	*50.0*		*122*	*70-130*			
Surrogate: Dibromofluoromethane	*57.1*		µg/l	*50.0*		*114*	*70-130*			
Matrix Spike (5091741-MS1)		**Source: SA34475-01**		Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Benzene	21.0		µg/l	20.0	BRL	105	70-130			
Chlorobenzene	23.6		µg/l	20.0	BRL	118	70-130			
1,1-Dichloroethene	16.6		µg/l	20.0	BRL	83.0	70-130			

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091741 - SW846 5030 Water MS										
Matrix Spike (5091741-MS1)		**Source: SA34475-01**		Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Toluene	21.9		µg/l	20.0	BRL	110	70-130			
Trichloroethene	22.7		µg/l	20.0	BRL	114	70-130			
Surrogate: 4-Bromofluorobenzene	*54.5*		µg/l	*50.0*		*109*	*70-130*			
Surrogate: Toluene-d8	*50.6*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*74.1*		µg/l	*50.0*		*148*	*70-130*			*S-GC*
Surrogate: Dibromofluoromethane	*63.1*		µg/l	*50.0*		*126*	*70-130*			
Matrix Spike Dup (5091741-MSD1)		**Source: SA34475-01**		Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
Benzene	21.3		µg/l	20.0	BRL	106	70-130	0.948	30	
Chlorobenzene	24.5		µg/l	20.0	BRL	122	70-130	3.33	30	
1,1-Dichloroethene	19.8		µg/l	20.0	BRL	99.0	70-130	17.6	30	
Toluene	22.2		µg/l	20.0	BRL	111	70-130	0.905	30	
Trichloroethene	22.1		µg/l	20.0	BRL	110	70-130	3.57	30	
Surrogate: 4-Bromofluorobenzene	*54.0*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*49.5*		µg/l	*50.0*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*63.9*		µg/l	*50.0*		*128*	*70-130*			
Surrogate: Dibromofluoromethane	*58.4*		µg/l	*50.0*		*117*	*70-130*			
Batch 5091848 - SW846 5030 Water MS										
Blank (5091848-BLK1)				Prepared & Analyzed: 27-Sep-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091848 - SW846 5030 Water MS									
Blank (5091848-BLK1)			Prepared & Analyzed: 27-Sep-05						
2,2-Dichloropropane	BRL	1.0 µg/l							
1,1-Dichloropropene	BRL	1.0 µg/l							
cis-1,3-Dichloropropene	BRL	1.0 µg/l							
trans-1,3-Dichloropropene	BRL	1.0 µg/l							
Ethylbenzene	BRL	1.0 µg/l							
Hexachlorobutadiene	BRL	1.0 µg/l							
2-Hexanone (MBK)	BRL	10.0 µg/l							
Isopropylbenzene	BRL	1.0 µg/l							
4-Isopropyltoluene	BRL	1.0 µg/l							
Methyl tert-butyl ether	BRL	1.0 µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l							
Methylene chloride	BRL	10.0 µg/l							
Naphthalene	BRL	1.0 µg/l							
n-Propylbenzene	BRL	1.0 µg/l							
Styrene	BRL	1.0 µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l							
Tetrachloroethene	BRL	1.0 µg/l							
Toluene	BRL	1.0 µg/l							
1,2,3-Trichlorobenzene	BRL	1.0 µg/l							
1,2,4-Trichlorobenzene	BRL	1.0 µg/l							
1,1,1-Trichloroethane	BRL	1.0 µg/l							
1,1,2-Trichloroethane	BRL	1.0 µg/l							
Trichloroethene	BRL	1.0 µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l							
1,2,3-Trichloropropane	BRL	1.0 µg/l							
1,2,4-Trimethylbenzene	BRL	1.0 µg/l							
1,3,5-Trimethylbenzene	BRL	1.0 µg/l							
Vinyl chloride	BRL	1.0 µg/l							
m,p-Xylene	BRL	2.0 µg/l							
o-Xylene	BRL	1.0 µg/l							
Surrogate: 4-Bromofluorobenzene	*52.6*	µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.0*	µg/l	*50.0*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.6*	µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*54.9*	µg/l	*50.0*		*110*	*70-130*			
LCS (5091848-BS1)			Prepared & Analyzed: 27-Sep-05						
Acetone	15.0	µg/l	20.0		75.0	20.7-193			
Acrylonitrile	16.8	µg/l	20.0		84.0	70-130			
Benzene	18.3	µg/l	20.0		91.5	70-130			
Bromobenzene	21.4	µg/l	20.0		107	70-130			
Bromochloromethane	21.1	µg/l	20.0		106	70-130			
Bromodichloromethane	22.1	µg/l	20.0		110	70-130			
Bromoform	23.2	µg/l	20.0		116	70-130			
Bromomethane	19.8	µg/l	20.0		99.0	57.7-151			
2-Butanone (MEK)	20.4	µg/l	20.0		102	24-153			
n-Butylbenzene	19.3	µg/l	20.0		96.5	70-130			
sec-Butylbenzene	20.4	µg/l	20.0		102	70-130			
tert-Butylbenzene	21.9	µg/l	20.0		110	70-130			
Carbon disulfide	17.1	µg/l	20.0		85.5	70-130			
Carbon tetrachloride	23.4	µg/l	20.0		117	70-130			
Chlorobenzene	20.9	µg/l	20.0		104	70-130			
Chloroethane	19.2	µg/l	20.0		96.0	70-134			
Chloroform	19.2	µg/l	20.0		96.0	70-130			
Chloromethane	21.5	µg/l	20.0		108	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091848 - SW846 5030 Water MS										
LCS (5091848-BS1)				Prepared & Analyzed: 27-Sep-05						
2-Chlorotoluene	20.0		µg/l	20.0		100	70-130			
4-Chlorotoluene	20.0		µg/l	20.0		100	70-130			
1,2-Dibromo-3-chloropropane	20.6		µg/l	20.0		103	70-130			
Dibromochloromethane	22.7		µg/l	20.0		114	65.3-149			
1,2-Dibromoethane (EDB)	21.0		µg/l	20.0		105	70-130			
Dibromomethane	20.9		µg/l	20.0		104	70-130			
1,2-Dichlorobenzene	21.1		µg/l	20.0		106	70-130			
1,3-Dichlorobenzene	21.2		µg/l	20.0		106	70-130			
1,4-Dichlorobenzene	20.1		µg/l	20.0		100	70-130			
Dichlorodifluoromethane (Freon12)	25.5		µg/l	20.0		128	57.2-156			
1,1-Dichloroethane	19.4		µg/l	20.0		97.0	70-130			
1,2-Dichloroethane	22.5		µg/l	20.0		112	70-130			
1,1-Dichloroethene	18.9		µg/l	20.0		94.5	70-130			
cis-1,2-Dichloroethene	20.0		µg/l	20.0		100	70-130			
trans-1,2-Dichloroethene	19.1		µg/l	20.0		95.5	70-130			
1,2-Dichloropropane	19.5		µg/l	20.0		97.5	70-130			
1,3-Dichloropropane	19.1		µg/l	20.0		95.5	70-130			
2,2-Dichloropropane	19.1		µg/l	20.0		95.5	70-130			
1,1-Dichloropropene	19.5		µg/l	20.0		97.5	70-130			
cis-1,3-Dichloropropene	19.4		µg/l	20.0		97.0	70-130			
trans-1,3-Dichloropropene	19.5		µg/l	20.0		97.5	70-130			
Ethylbenzene	20.2		µg/l	20.0		101	70-130			
Hexachlorobutadiene	23.4		µg/l	20.0		117	70-145			
2-Hexanone (MBK)	14.7		µg/l	20.0		73.5	70-130			
Isopropylbenzene	20.0		µg/l	20.0		100	70-130			
4-Isopropyltoluene	21.6		µg/l	20.0		108	70-130			
Methyl tert-butyl ether	19.1		µg/l	20.0		95.5	70-130			
4-Methyl-2-pentanone (MIBK)	15.6		µg/l	20.0		78.0	51.9-135			
Methylene chloride	19.2		µg/l	20.0		96.0	70-130			
Naphthalene	21.9		µg/l	20.0		110	70-130			
n-Propylbenzene	19.8		µg/l	20.0		99.0	70-130			
Styrene	20.8		µg/l	20.0		104	70-130			
1,1,1,2-Tetrachloroethane	22.9		µg/l	20.0		114	70-130			
1,1,2,2-Tetrachloroethane	18.4		µg/l	20.0		92.0	70-130			
Tetrachloroethene	20.9		µg/l	20.0		104	70-130			
Toluene	19.0		µg/l	20.0		95.0	70-130			
1,2,3-Trichlorobenzene	21.8		µg/l	20.0		109	70-130			
1,2,4-Trichlorobenzene	21.7		µg/l	20.0		108	70-130			
1,1,1-Trichloroethane	22.0		µg/l	20.0		110	70-130			
1,1,2-Trichloroethane	19.4		µg/l	20.0		97.0	70-130			
Trichloroethene	19.2		µg/l	20.0		96.0	70-130			
Trichlorofluoromethane (Freon 11)	23.1		µg/l	20.0		116	68.2-143			
1,2,3-Trichloropropane	18.5		µg/l	20.0		92.5	70-130			
1,2,4-Trimethylbenzene	21.9		µg/l	20.0		110	70-130			
1,3,5-Trimethylbenzene	21.6		µg/l	20.0		108	70-130			
Vinyl chloride	24.0		µg/l	20.0		120	70-130			
m,p-Xylene	40.0		µg/l	40.0		100	70-130			
o-Xylene	21.5		µg/l	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*48.6*		µg/l	*50.0*		*97.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*57.0*		µg/l	*50.0*		*114*	*70-130*			
Surrogate: Dibromofluoromethane	*54.7*		µg/l	*50.0*		*109*	*70-130*			
LCS Dup (5091848-BSD1)				Prepared: 27-Sep-05 Analyzed: 28-Sep-05						
Acetone	14.8		µg/l	20.0		74.0	20.7-193	1.34	50	

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091848 - SW846 5030 Water MS										
LCS Dup (5091848-BSD1)				Prepared: 27-Sep-05 Analyzed: 28-Sep-05						
Acrylonitrile	16.6		µg/l	20.0		83.0	70-130	1.20	25	
Benzene	18.0		µg/l	20.0		90.0	70-130	1.65	25	
Bromobenzene	21.9		µg/l	20.0		110	70-130	2.76	25	
Bromochloromethane	20.5		µg/l	20.0		102	70-130	3.85	25	
Bromodichloromethane	20.8		µg/l	20.0		104	70-130	5.61	25	
Bromoform	23.8		µg/l	20.0		119	70-130	2.55	25	
Bromomethane	19.2		µg/l	20.0		96.0	57.7-151	3.08	50	
2-Butanone (MEK)	16.0		µg/l	20.0		80.0	24-153	24.2	50	
n-Butylbenzene	19.5		µg/l	20.0		97.5	70-130	1.03	25	
sec-Butylbenzene	21.0		µg/l	20.0		105	70-130	2.90	25	
tert-Butylbenzene	22.5		µg/l	20.0		112	70-130	1.80	25	
Carbon disulfide	17.0		µg/l	20.0		85.0	70-130	0.587	25	
Carbon tetrachloride	22.9		µg/l	20.0		114	70-130	2.60	25	
Chlorobenzene	21.8		µg/l	20.0		109	70-130	4.69	25	
Chloroethane	18.0		µg/l	20.0		90.0	70-134	6.45	50	
Chloroform	18.7		µg/l	20.0		93.5	70-130	2.64	25	
Chloromethane	21.2		µg/l	20.0		106	70-130	1.87	25	
2-Chlorotoluene	21.2		µg/l	20.0		106	70-130	5.83	25	
4-Chlorotoluene	20.5		µg/l	20.0		102	70-130	1.98	25	
1,2-Dibromo-3-chloropropane	19.4		µg/l	20.0		97.0	70-130	6.00	25	
Dibromochloromethane	22.7		µg/l	20.0		114	65.3-149	0.00	50	
1,2-Dibromoethane (EDB)	20.5		µg/l	20.0		102	70-130	2.90	25	
Dibromomethane	20.1		µg/l	20.0		100	70-130	3.92	25	
1,2-Dichlorobenzene	21.0		µg/l	20.0		105	70-130	0.948	25	
1,3-Dichlorobenzene	22.0		µg/l	20.0		110	70-130	3.70	25	
1,4-Dichlorobenzene	19.9		µg/l	20.0		99.5	70-130	0.501	25	
Dichlorodifluoromethane (Freon12)	25.0		µg/l	20.0		125	57.2-156	2.37	50	
1,1-Dichloroethane	19.1		µg/l	20.0		95.5	70-130	1.56	25	
1,2-Dichloroethane	21.8		µg/l	20.0		109	70-130	2.71	25	
1,1-Dichloroethene	18.7		µg/l	20.0		93.5	70-130	1.06	25	
cis-1,2-Dichloroethene	19.8		µg/l	20.0		99.0	70-130	1.01	25	
trans-1,2-Dichloroethene	18.8		µg/l	20.0		94.0	70-130	1.58	25	
1,2-Dichloropropane	18.4		µg/l	20.0		92.0	70-130	5.80	25	
1,3-Dichloropropane	18.5		µg/l	20.0		92.5	70-130	3.19	25	
2,2-Dichloropropane	18.9		µg/l	20.0		94.5	70-130	1.05	25	
1,1-Dichloropropene	18.9		µg/l	20.0		94.5	70-130	3.12	25	
cis-1,3-Dichloropropene	18.7		µg/l	20.0		93.5	70-130	3.67	25	
trans-1,3-Dichloropropene	19.1		µg/l	20.0		95.5	70-130	2.07	25	
Ethylbenzene	20.7		µg/l	20.0		104	70-130	2.93	25	
Hexachlorobutadiene	23.9		µg/l	20.0		120	70-145	2.53	50	
2-Hexanone (MBK)	14.0		µg/l	20.0		70.0	70-130	4.88	25	
Isopropylbenzene	20.8		µg/l	20.0		104	70-130	3.92	25	
4-Isopropyltoluene	21.4		µg/l	20.0		107	70-130	0.930	25	
Methyl tert-butyl ether	18.6		µg/l	20.0		93.0	70-130	2.65	25	
4-Methyl-2-pentanone (MIBK)	15.9		µg/l	20.0		79.5	51.9-135	1.90	50	
Methylene chloride	18.6		µg/l	20.0		93.0	70-130	3.17	25	
Naphthalene	20.0		µg/l	20.0		100	70-130	9.52	25	
n-Propylbenzene	20.1		µg/l	20.0		100	70-130	1.01	25	
Styrene	21.0		µg/l	20.0		105	70-130	0.957	25	
1,1,1,2-Tetrachloroethane	23.9		µg/l	20.0		120	70-130	5.13	25	
1,1,2,2-Tetrachloroethane	19.2		µg/l	20.0		96.0	70-130	4.26	25	
Tetrachloroethene	19.9		µg/l	20.0		99.5	70-130	4.42	25	
Toluene	18.6		µg/l	20.0		93.0	70-130	2.13	25	
1,2,3-Trichlorobenzene	21.1		µg/l	20.0		106	70-130	2.79	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091848 - SW846 5030 Water MS										
LCS Dup (5091848-BSD1)				Prepared: 27-Sep-05 Analyzed: 28-Sep-05						
1,2,4-Trichlorobenzene	21.2		µg/l	20.0		106	70-130	1.87	25	
1,1,1-Trichloroethane	22.1		µg/l	20.0		110	70-130	0.00	25	
1,1,2-Trichloroethane	18.9		µg/l	20.0		94.5	70-130	2.61	25	
Trichloroethene	19.7		µg/l	20.0		98.5	70-130	2.57	25	
Trichlorofluoromethane (Freon 11)	23.0		µg/l	20.0		115	68.2-143	0.866	50	
1,2,3-Trichloropropane	19.3		µg/l	20.0		96.5	70-130	4.23	25	
1,2,4-Trimethylbenzene	22.0		µg/l	20.0		110	70-130	0.00	25	
1,3,5-Trimethylbenzene	22.0		µg/l	20.0		110	70-130	1.83	25	
Vinyl chloride	25.0		µg/l	20.0		125	70-130	4.08	25	
m,p-Xylene	41.8		µg/l	40.0		104	70-130	3.92	25	
o-Xylene	22.1		µg/l	20.0		110	70-130	1.83	25	
Surrogate: 4-Bromofluorobenzene	*54.1*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*48.3*		µg/l	*50.0*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*55.5*		µg/l	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*54.1*		µg/l	*50.0*		*108*	*70-130*			
Matrix Spike (5091848-MS1)		**Source: SA34588-03**		Prepared: 27-Sep-05 Analyzed: 28-Sep-05						
Benzene	21.2		µg/l	20.0	BRL	106	70-130			
Chlorobenzene	23.7		µg/l	20.0	BRL	118	70-130			
1,1-Dichloroethene	23.6		µg/l	20.0	BRL	118	70-130			
Toluene	22.0		µg/l	20.0	BRL	110	70-130			
Trichloroethene	22.8		µg/l	20.0	BRL	114	70-130			
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l	*50.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*49.8*		µg/l	*50.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*58.0*		µg/l	*50.0*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*55.1*		µg/l	*50.0*		*110*	*70-130*			
Matrix Spike Dup (5091848-MSD1)		**Source: SA34588-03**		Prepared: 27-Sep-05 Analyzed: 28-Sep-05						
Benzene	22.0		µg/l	20.0	BRL	110	70-130	3.70	30	
Chlorobenzene	25.4		µg/l	20.0	BRL	127	70-130	7.35	30	
1,1-Dichloroethene	23.0		µg/l	20.0	BRL	115	70-130	2.58	30	
Toluene	22.8		µg/l	20.0	BRL	114	70-130	3.57	30	
Trichloroethene	24.0		µg/l	20.0	BRL	120	70-130	5.13	30	
Surrogate: 4-Bromofluorobenzene	*53.8*		µg/l	*50.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*50.4*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*61.7*		µg/l	*50.0*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*57.4*		µg/l	*50.0*		*115*	*70-130*			

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091707 - SW846 3535										
Blank (5091707-BLK1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
PCB 1016	BRL	0.200	µg/l							
PCB 1221	BRL	0.200	µg/l							
PCB 1232	BRL	0.200	µg/l							
PCB 1242	BRL	0.200	µg/l							
PCB 1248	BRL	0.200	µg/l							
PCB 1254	BRL	0.200	µg/l							
PCB 1260	BRL	0.200	µg/l							
PCB 1262	BRL	0.200	µg/l							
PCB 1268	BRL	0.200	µg/l							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l	*0.200*		*60.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.210*		µg/l	*0.200*		*105*	*30-150*			
LCS (5091707-BS1)				Prepared: 26-Sep-05 Analyzed: 27-Sep-05						
PCB 1016	1.46	0.200	µg/l	2.50		58.4	40-140			
PCB 1260	1.53	0.200	µg/l	2.50		61.2	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0900*		µg/l	*0.200*		*45.0*	*30-150*			
Surrogate: Decachlorobiphenyl (Sr)	*0.170*		µg/l	*0.200*		*85.0*	*30-150*			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091706 - SW846 3535										
Blank (5091706-BLK1)				Prepared & Analyzed: 26-Sep-05						
Acenaphthene	BRL	2.50	µg/l							
Acenaphthylene	BRL	2.50	µg/l							
Anthracene	BRL	2.50	µg/l							
Benzo (a) anthracene	BRL	2.50	µg/l							
Benzo (a) pyrene	BRL	2.50	µg/l							
Benzo (b) fluoranthene	BRL	2.50	µg/l							
Benzo (g,h,i) perylene	BRL	2.50	µg/l							
Benzo (k) fluoranthene	BRL	2.50	µg/l							
Chrysene	BRL	2.50	µg/l							
Dibenzo (a,h) anthracene	BRL	2.50	µg/l							
Fluoranthene	BRL	2.50	µg/l							
Fluorene	BRL	2.50	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	2.50	µg/l							
1-Methylnaphthalene	BRL	2.50	µg/l							
2-Methylnaphthalene	BRL	2.50	µg/l							
Naphthalene	BRL	2.50	µg/l							
Phenanthrene	BRL	2.50	µg/l							
Pyrene	BRL	2.50	µg/l							
Surrogate: 2-Fluorobiphenyl	*56.2*		µg/l	*100*		*56.2*	*30-130*			
Surrogate: Terphenyl-dl4	*68.4*		µg/l	*100*		*68.4*	*30-130*			
LCS (5091706-BS1)				Prepared & Analyzed: 26-Sep-05						
Acenaphthene	62.1	2.50	µg/l	100		62.1	40-140			
Acenaphthylene	68.6	2.50	µg/l	100		68.6	40-140			
Anthracene	69.8	2.50	µg/l	100		69.8	40-140			
Benzo (a) anthracene	70.6	2.50	µg/l	100		70.6	40-140			
Benzo (a) pyrene	74.4	2.50	µg/l	100		74.4	40-140			
Benzo (b) fluoranthene	70.8	2.50	µg/l	100		70.8	40-140			
Benzo (g,h,i) perylene	52.7	2.50	µg/l	100		52.7	40-140			
Benzo (k) fluoranthene	71.7	2.50	µg/l	100		71.7	40-140			
Chrysene	66.6	2.50	µg/l	100		66.6	40-140			
Dibenzo (a,h) anthracene	53.1	2.50	µg/l	100		53.1	40-140			
Fluoranthene	70.5	2.50	µg/l	100		70.5	40-140			
Fluorene	66.6	2.50	µg/l	100		66.6	40-140			
Indeno (1,2,3-cd) pyrene	54.5	2.50	µg/l	100		54.5	40-140			
1-Methylnaphthalene	55.0	2.50	µg/l	100		55.0	40-140			
2-Methylnaphthalene	59.0	2.50	µg/l	100		59.0	40-140			
Naphthalene	55.9	2.50	µg/l	100		55.9	40-140			
Phenanthrene	63.4	2.50	µg/l	100		63.4	40-140			
Pyrene	70.4	2.50	µg/l	100		70.4	40-140			
Surrogate: 2-Fluorobiphenyl	*62.3*		µg/l	*100*		*62.3*	*30-130*			
Surrogate: Terphenyl-dl4	*78.0*		µg/l	*100*		*78.0*	*30-130*			
Batch 5091814 - SW846 3535										
Blank (5091814-BLK1)				Prepared & Analyzed: 27-Sep-05						
Acenaphthene	BRL	5.00	µg/l							
Acenaphthylene	BRL	5.00	µg/l							
Aniline	BRL	5.00	µg/l							
Anthracene	BRL	5.00	µg/l							
Atrazine	BRL	5.00	µg/l							
Azobenzene/Diphenyldiazine	BRL	5.00	µg/l							
Benzidine	BRL	5.00	µg/l							
Benzo (a) anthracene	BRL	5.00	µg/l							
Benzo (a) pyrene	BRL	5.00	µg/l							
Benzo (b) fluoranthene	BRL	5.00	µg/l							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091814 - SW846 3535										
Blank (5091814-BLK1)				Prepared & Analyzed: 27-Sep-05						
Benzo (g,h,i) perylene	BRL	5.00	µg/l							
Benzo (k) fluoranthene	BRL	5.00	µg/l							
Benzoic acid	BRL	5.00	µg/l							
Benzyl alcohol	BRL	5.00	µg/l							
Bis(2-chloroethoxy)methane	BRL	5.00	µg/l							
Bis(2-chloroethyl)ether	BRL	5.00	µg/l							
Bis(2-chloroisopropyl)ether	BRL	5.00	µg/l							
Bis(2-ethylhexyl)phthalate	BRL	5.00	µg/l							
4-Bromophenyl phenyl ether	BRL	5.00	µg/l							
Butyl benzyl phthalate	BRL	5.00	µg/l							
Carbazole	BRL	5.00	µg/l							
4-Chloro-3-methylphenol	BRL	5.00	µg/l							
4-Chloroaniline	BRL	5.00	µg/l							
2-Chloronaphthalene	BRL	5.00	µg/l							
2-Chlorophenol	BRL	5.00	µg/l							
4-Chlorophenyl phenyl ether	BRL	5.00	µg/l							
Chrysene	BRL	5.00	µg/l							
Dibenzo (a,h) anthracene	BRL	5.00	µg/l							
Dibenzofuran	BRL	5.00	µg/l							
1,2-Dichlorobenzene	BRL	5.00	µg/l							
1,3-Dichlorobenzene	BRL	5.00	µg/l							
1,4-Dichlorobenzene	BRL	5.00	µg/l							
3,3'-Dichlorobenzidine	BRL	5.00	µg/l							
2,4-Dichlorophenol	BRL	5.00	µg/l							
Diethyl phthalate	BRL	5.00	µg/l							
Dimethyl phthalate	BRL	5.00	µg/l							
2,4-Dimethylphenol	BRL	5.00	µg/l							
Di-n-butyl phthalate	BRL	5.00	µg/l							
4,6-Dinitro-2-methylphenol	BRL	5.00	µg/l							
2,4-Dinitrophenol	BRL	5.00	µg/l							
2,4-Dinitrotoluene	BRL	5.00	µg/l							
2,6-Dinitrotoluene	BRL	5.00	µg/l							
Di-n-octyl phthalate	BRL	5.00	µg/l							
Fluoranthene	BRL	5.00	µg/l							
Fluorene	BRL	5.00	µg/l							
Hexachlorobenzene	BRL	5.00	µg/l							
Hexachlorobutadiene	BRL	5.00	µg/l							
Hexachlorocyclopentadiene	BRL	5.00	µg/l							
Hexachloroethane	BRL	5.00	µg/l							
Indeno (1,2,3-cd) pyrene	BRL	5.00	µg/l							
Isophorone	BRL	5.00	µg/l							
2-Methylnaphthalene	BRL	5.00	µg/l							
2-Methylphenol	BRL	5.00	µg/l							
3,4-Methylphenol	BRL	10.0	µg/l							
Naphthalene	BRL	5.00	µg/l							
2-Nitroaniline	BRL	5.00	µg/l							
3-Nitroaniline	BRL	5.00	µg/l							
4-Nitroaniline	BRL	20.0	µg/l							
Nitrobenzene	BRL	5.00	µg/l							
2-Nitrophenol	BRL	5.00	µg/l							
4-Nitrophenol	BRL	20.0	µg/l							
N-Nitrosodimethylamine	BRL	5.00	µg/l							
-Nitrosodi-n-propylamine	BRL	5.00	µg/l							
N-Nitrosodiphenylamine	BRL	5.00	µg/l							

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091814 - SW846 3535										
Blank (5091814-BLK1)				Prepared & Analyzed: 27-Sep-05						
Pentachlorophenol	BRL	20.0	µg/l							
Phenanthrene	BRL	5.00	µg/l							
Phenol	BRL	5.00	µg/l							
Pyrene	BRL	5.00	µg/l							
Pyridine	BRL	5.00	µg/l							
1-Methylnaphthalene	BRL	5.00	µg/l							
1,2,4-Trichlorobenzene	BRL	5.00	µg/l							
2,4,5-Trichlorophenol	BRL	5.00	µg/l							
2,4,6-Trichlorophenol	BRL	5.00	µg/l							
Surrogate: 2-Fluorobiphenyl	*58.6*		µg/l	*100*		*58.6*	*30-130*			
Surrogate: 2-Fluorophenol	*63.6*		µg/l	*100*		*63.6*	*15-110*			
Surrogate: Nitrobenzene-d5	*48.3*		µg/l	*100*		*48.3*	*30-130*			
Surrogate: Phenol-d5	*54.3*		µg/l	*100*		*54.3*	*15-110*			
Surrogate: Terphenyl-dl4	*77.2*		µg/l	*100*		*77.2*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*38.3*		µg/l	*100*		*38.3*	*15-110*			
LCS (5091814-BS1)				Prepared & Analyzed: 27-Sep-05						
Acenaphthene	54.1	5.00	µg/l	100		54.1	40-130			
Acenaphthylene	62.0	5.00	µg/l	100		62.0	40-130			
Aniline	63.7	5.00	µg/l	100		63.7	40-130			
Anthracene	63.4	5.00	µg/l	100		63.4	40-130			
Atrazine	41.2	5.00	µg/l	100		41.2	0-200			
Azobenzene/Diphenyldiazine	56.0	5.00	µg/l	100		56.0	40-130			
Benzidine	82.2	5.00	µg/l	100		82.2	40-130			
Benzo (a) anthracene	59.8	5.00	µg/l	100		59.8	40-130			
Benzo (a) pyrene	60.0	5.00	µg/l	100		60.0	40-130			
Benzo (b) fluoranthene	50.1	5.00	µg/l	100		50.1	40-130			
Benzo (g,h,i) perylene	64.7	5.00	µg/l	100		64.7	40-130			
Benzo (k) fluoranthene	54.2	5.00	µg/l	100		54.2	40-130			
Benzoic acid	42.3	5.00	µg/l	100		42.3	40-130			
Benzyl alcohol	41.1	5.00	µg/l	100		41.1	40-130			
Bis(2-chloroethoxy)methane	49.6	5.00	µg/l	100		49.6	40-130			
Bis(2-chloroethyl)ether	41.1	5.00	µg/l	100		41.1	40-130			
Bis(2-chloroisopropyl)ether	49.3	5.00	µg/l	100		49.3	40-130			
Bis(2-ethylhexyl)phthalate	63.4	5.00	µg/l	100		63.4	40-130			
4-Bromophenyl phenyl ether	56.0	5.00	µg/l	100		56.0	40-130			
Butyl benzyl phthalate	62.2	5.00	µg/l	100		62.2	40-130			
Carbazole	61.3	5.00	µg/l	100		61.3	40-130			
4-Chloro-3-methylphenol	58.7	5.00	µg/l	100		58.7	40-130			
4-Chloroaniline	54.3	5.00	µg/l	100		54.3	40-130			
2-Chloronaphthalene	50.4	5.00	µg/l	100		50.4	40-130			
2-Chlorophenol	51.9	5.00	µg/l	100		51.9	40-130			
4-Chlorophenyl phenyl ether	55.2	5.00	µg/l	100		55.2	40-130			
Chrysene	58.3	5.00	µg/l	100		58.3	40-130			
Dibenzo (a,h) anthracene	61.3	5.00	µg/l	100		61.3	40-130			
Dibenzofuran	56.9	5.00	µg/l	100		56.9	40-130			
1,2-Dichlorobenzene	47.5	5.00	µg/l	100		47.5	40-130			
1,3-Dichlorobenzene	45.9	5.00	µg/l	100		45.9	40-130			
1,4-Dichlorobenzene	45.2	5.00	µg/l	100		45.2	40-130			
3,3'-Dichlorobenzidine	60.7	5.00	µg/l	100		60.7	40-130			
2,4-Dichlorophenol	49.1	5.00	µg/l	100		49.1	40-130			
Diethyl phthalate	62.2	5.00	µg/l	100		62.2	40-130			
Dimethyl phthalate	59.8	5.00	µg/l	100		59.8	40-130			
2,4-Dimethylphenol	49.7	5.00	µg/l	100		49.7	40-130			
Di-n-butyl phthalate	72.2	5.00	µg/l	100		72.2	40-130			

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091814 - SW846 3535									
LCS (5091814-BS1)			Prepared & Analyzed: 27-Sep-05						
4,6-Dinitro-2-methylphenol	42.1	5.00 µg/l	100		42.1	40-130			
2,4-Dinitrophenol	45.0	5.00 µg/l	100		45.0	40-130			
2,4-Dinitrotoluene	63.2	5.00 µg/l	100		63.2	40-130			
2,6-Dinitrotoluene	61.9	5.00 µg/l	100		61.9	40-130			
Di-n-octyl phthalate	57.1	5.00 µg/l	100		57.1	40-130			
Fluoranthene	61.5	5.00 µg/l	100		61.5	40-130			
Fluorene	58.1	5.00 µg/l	100		58.1	40-130			
Hexachlorobenzene	56.0	5.00 µg/l	100		56.0	40-130			
Hexachlorobutadiene	42.9	5.00 µg/l	100		42.9	40-130			
Hexachlorocyclopentadiene	49.2	5.00 µg/l	100		49.2	40-130			
Hexachloroethane	45.5	5.00 µg/l	100		45.5	40-130			
Indeno (1,2,3-cd) pyrene	65.7	5.00 µg/l	100		65.7	40-130			
Isophorone	57.0	5.00 µg/l	100		57.0	40-130			
2-Methylnaphthalene	51.9	5.00 µg/l	100		51.9	40-130			
2-Methylphenol	52.4	5.00 µg/l	100		52.4	40-130			
3,4-Methylphenol	58.9	10.0 µg/l	100		58.9	40-130			
Naphthalene	51.8	5.00 µg/l	100		51.8	40-130			
2-Nitroaniline	55.5	5.00 µg/l	100		55.5	40-130			
3-Nitroaniline	53.6	5.00 µg/l	100		53.6	40-130			
4-Nitroaniline	62.9	20.0 µg/l	100		62.9	40-130			
Nitrobenzene	45.3	5.00 µg/l	100		45.3	40-130			
2-Nitrophenol	45.2	5.00 µg/l	100		45.2	40-130			
4-Nitrophenol	44.5	20.0 µg/l	100		44.5	40-130			
N-Nitrosodimethylamine	49.0	5.00 µg/l	100		49.0	40-130			
N-Nitrosodi-n-propylamine	51.1	5.00 µg/l	100		51.1	40-130			
N-Nitrosodiphenylamine	58.6	5.00 µg/l	100		58.6	40-130			
Pentachlorophenol	44.6	20.0 µg/l	100		44.6	40-130			
Phenanthrene	56.9	5.00 µg/l	100		56.9	40-130			
Phenol	46.3	5.00 µg/l	100		46.3	40-130			
Pyrene	58.8	5.00 µg/l	100		58.8	40-130			
Pyridine	45.0	5.00 µg/l	100		45.0	40-130			
1-Methylnaphthalene	47.1	5.00 µg/l	100		47.1	40-140			
1,2,4-Trichlorobenzene	43.8	5.00 µg/l	100		43.8	40-130			
2,4,5-Trichlorophenol	53.4	5.00 µg/l	100		53.4	40-130			
2,4,6-Trichlorophenol	45.4	5.00 µg/l	100		45.4	40-130			
Surrogate: 2-Fluorobiphenyl	*59.4*	µg/l	*100*		*59.4*	*30-130*			
Surrogate: 2-Fluorophenol	*50.3*	µg/l	*100*		*50.3*	*15-110*			
Surrogate: Nitrobenzene-d5	*51.3*	µg/l	*100*		*51.3*	*30-130*			
Surrogate: Phenol-d5	*49.6*	µg/l	*100*		*49.6*	*15-110*			
Surrogate: Terphenyl-dl4	*68.5*	µg/l	*100*		*68.5*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*60.3*	µg/l	*100*		*60.3*	*15-110*			

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091756 - EPA 200 Series									
Blank (5091756-BLK1)			Prepared & Analyzed: 27-Sep-05						
Nickel	BRL	0.0025 mg/l							
Lead	BRL	0.0038 mg/l							
Zinc	BRL	0.0025 mg/l							
Thallium	BRL	0.0050 mg/l							
Selenium	BRL	0.0075 mg/l							
Antimony	BRL	0.0100 mg/l							
Silver	BRL	0.0050 mg/l							
Copper	BRL	0.0025 mg/l							
Arsenic	BRL	0.0040 mg/l							
Barium	BRL	0.0025 mg/l							
Vanadium	BRL	0.0025 mg/l							
Beryllium	BRL	0.0010 mg/l							
Cadmium	BRL	0.0012 mg/l							
Chromium	BRL	0.0025 mg/l							
LCS (5091756-BS1)			Prepared & Analyzed: 27-Sep-05						
Thallium	0.0920	0.0050 mg/l	0.100		92.0	85-115			
Selenium	0.0885	0.0075 mg/l	0.100		88.5	85-115			
Lead	0.0960	0.0038 mg/l	0.100		96.0	85-115			
Nickel	0.0876	0.0025 mg/l	0.100		87.6	85-115			
Antimony	0.103	0.0060 mg/l	0.100		103	85-115			
Zinc	0.0858	0.0025 mg/l	0.100		85.8	85-115			
Chromium	0.0911	0.0025 mg/l	0.100		91.1	85-115			
Copper	0.0871	0.0025 mg/l	0.100		87.1	85-115			
Vanadium	0.0976	0.0010 mg/l	0.100		97.6	85-115			
Beryllium	0.0983	0.0004 mg/l	0.100		98.3	85-115			
Barium	0.0904	0.0025 mg/l	0.100		90.4	85-115			
Arsenic	0.0947	0.0016 mg/l	0.100		94.7	85-115			
Silver	0.0454	0.0050 mg/l	0.0500		90.8	85-115			
Cadmium	0.0895	0.0012 mg/l	0.100		89.5	85-115			
Duplicate (5091756-DUP1)		**Source: SA34588-01**	Prepared & Analyzed: 27-Sep-05						
Thallium	BRL	0.0050 mg/l		BRL				20	
Nickel	BRL	0.0025 mg/l		BRL				20	
Lead	BRL	0.0038 mg/l		BRL				20	
Selenium	BRL	0.0075 mg/l		0.0030			3.28	20	
Zinc	0.0073	0.0025 mg/l		0.0072			1.38	20	
Antimony	BRL	0.0100 mg/l		0.0098			10.8	20	
Chromium	BRL	0.0025 mg/l		BRL				20	
Arsenic	BRL	0.0040 mg/l		BRL				20	
Barium	0.107	0.0025 mg/l		0.119			10.6	20	
Cadmium	BRL	0.0012 mg/l		0.0002				20	
Copper	BRL	0.0025 mg/l		0.0012			8.70	20	
Vanadium	BRL	0.0025 mg/l		0.0020			10.5	20	
Beryllium	BRL	0.0010 mg/l		0.0002			0.00	20	
Silver	BRL	0.0050 mg/l		BRL				20	
Matrix Spike (5091756-MS1)		**Source: SA34728-04**	Prepared & Analyzed: 27-Sep-05						
Selenium	0.0332	0.0075 mg/l	0.100	0.0052	28.0	70-130			QM-05
Nickel	0.0187	0.0025 mg/l	0.100	BRL	18.7	70-130			QM-05
Antimony	0.0468	0.0060 mg/l	0.100	BRL	46.8	70-130			QM-05
Thallium	0.0188	0.0050 mg/l	0.100	BRL	18.8	70-130			QM-05
Zinc	0.0030	0.0025 mg/l	0.100	BRL	3.00	70-130			QM-05
Lead	0.0191	0.0038 mg/l	0.100	BRL	19.1	70-130			QM-05
Silver	0.0279	0.0050 mg/l	0.0500	BRL	55.8	70-130			QM-05
Vanadium	0.0274	0.0025 mg/l	0.100	0.0004	27.0	70-130			QM-05

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5091756 - EPA 200 Series									
Matrix Spike (5091756-MS1)		**Source: SA34728-04**	Prepared & Analyzed: 27-Sep-05						
Copper	0.0470	0.0025 mg/l	0.100	0.0016	45.4	70-130			QM-05
Chromium	0.0228	0.0025 mg/l	0.100	BRL	22.8	70-130			QM-05
Cadmium	0.0168	0.0012 mg/l	0.100	BRL	16.8	70-130			QM-05
Beryllium	0.0220	0.0010 mg/l	0.100	BRL	22.0	70-130			QM-05
Barium	0.0434	0.0025 mg/l	0.100	0.0061	37.3	70-130			QM-05
Arsenic	0.0255	0.0040 mg/l	0.100	BRL	25.5	70-130			QM-05
Matrix Spike Dup (5091756-MSD1)		**Source: SA34728-04**	Prepared & Analyzed: 27-Sep-05						
Zinc	0.0029	0.0025 mg/l	0.100	BRL	2.90	70-130	3.39	20	QM-05
Thallium	0.0188	0.0050 mg/l	0.100	BRL	18.8	70-130	0.00	20	QM-05
Selenium	0.0380	0.0075 mg/l	0.100	0.0052	32.8	70-130	13.5	20	QM-05
Antimony	0.0542	0.0060 mg/l	0.100	BRL	54.2	70-130	14.7	20	QM-05
Lead	0.0195	0.0038 mg/l	0.100	BRL	19.5	70-130	2.07	20	QM-05
Nickel	0.0184	0.0025 mg/l	0.100	BRL	18.4	70-130	1.62	20	QM-05
Copper	0.0589	0.0025 mg/l	0.100	0.0016	57.3	70-130	22.5	20	QM-05
Arsenic	0.0280	0.0040 mg/l	0.100	BRL	28.0	70-130	9.35	20	QM-05
Cadmium	0.0164	0.0012 mg/l	0.100	BRL	16.4	70-130	2.41	20	QM-05
Chromium	0.0230	0.0025 mg/l	0.100	BRL	23.0	70-130	0.873	20	QM-05
Beryllium	0.0229	0.0010 mg/l	0.100	BRL	22.9	70-130	4.01	20	QM-05
Barium	0.0493	0.0025 mg/l	0.100	0.0061	43.2	70-130	12.7	20	QM-05
Silver	0.0342	0.0050 mg/l	0.0500	BRL	68.4	70-130	20.3	20	QM-05
Vanadium	0.0292	0.0025 mg/l	0.100	0.0004	28.8	70-130	6.36	20	QM-05
Batch 5091757 - EPA200/SW7000 Series									
Blank (5091757-BLK1)			Prepared & Analyzed: 27-Sep-05						
Mercury	BRL	0.00020 mg/l							
LCS (5091757-BS1)			Prepared & Analyzed: 27-Sep-05						
Mercury	0.00207	0.00020 mg/l	0.00250		82.8	80-120			
Duplicate (5091757-DUP1)		**Source: SA34588-01**	Prepared & Analyzed: 27-Sep-05						
Mercury	BRL	0.00020 mg/l		0.00004				20	
Matrix Spike (5091757-MS1)		**Source: SA34588-02**	Prepared & Analyzed: 27-Sep-05						
Mercury	0.00200	0.00020 mg/l	0.00250	BRL	80.0	75-125			
Matrix Spike Dup (5091757-MSD1)		**Source: SA34588-02**	Prepared & Analyzed: 27-Sep-05						
Mercury	0.00182	0.00020 mg/l	0.00250	BRL	72.8	75-125	9.42	20	QM-07

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: CT DEP Meriden - HUB	CT DEP Meriden - HUB/ CEE Project #2005.045
This Form Provides certifications for the following data set: SA34588-01 SA34588-02 SA34588-03 SA34588-04 SA34588-05	List Specific Analytical Methods Used: EPA 200.7 EPA 245.2/7470A SW846 8082 SW846 8260B SW846 8270C
Sample Matrices: Aqueous	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 9/28/2005

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Hub Meriden
Phase 2 Report Summary

The following AOCs were identified and investigated as part of the Phase 2 study:

AOC-1 Site Wide Fill
AOC-3 Former Meriden Britannia Co. and Insilco Factory
AOC-5 Former Gasoline Station at Pratt Street
AOC-6 Former Auto Sales and Service
AOC-7 Former Machine Shop
AOC-9 Former Gasoline Station at State Street
AOC-10 Former Plumbing and Pipe Shop
AOC-11 Former Canberra Industries

Rather than re-typing the report, I've pointed to the results with post-it notes:

See Pages 18 through 20 for a discussion of exceedances in soil.

See pages 20 through 22 for a discussion of exceedances in gw

See Table 5, marked in yellow post-it, in report, for exceedances of RSRs in soil, marked in yellow.

See Table 6, marked in yellow post-it, in report, for exceedances of RSRs in gw, marked in shade and yellow.

See Figure 2 for the locations of each sample. I've marked some of the elevated sample points and wells in yellow.

It looks like most of the hot spots are in AOC 3.

Antimony, arsenic, lead and mercury were detected in various soil samples across the study area above the RDEC criteria.

There is a 6 to 8 foot layer of fill across the site containing bricks, ash, coal, wood, typical of historic urban/industrial activity. Most of the soil contamination is found in this layer.

The gw is contaminated with vinyl chloride in one well, MW-3, that exceeds the volatilization criteria in some wells.

Removal of the building will result in mobilization of contaminants in soil that are currently environmentally isolated.