TASK 210 Subsurface Site Investigation

Route 4 Improvements From Garden Street to Mountain Spring Road

Farmington, CT

Prepared for:
Division of Environmental Compliance
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, CT 06111

August 2009

ON CALL ENVIRONMENTAL SERVICES
Conn DOT Project No. 51-260
Assignment No. 302-3340
DTC Project No. 03-273-03E

DIVERSIFIED TECHNOLOGY CONSULTANTS, INC.
HAMDEN, CT NORWICH, CT ANDOVER, MA

SIGNATURE PAGE

TASK 210 SUBSURFACE SITE INVESTIGATION

ROUTE 4 IMPROVEMENTS FROM
GARDEN STREET TO MOUNTAIN SPRING ROAD
FARMINGTON, CONNECTICUT

Joy P. Klappholz
Environmental Scientist

Christopher P. Koelle, L.E.P.
Environmental Project Manager

Richard C. Hathaway, L.E.P.
Manager - Environmental

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 BACKGROUND AND PURPOSE 1
1.2 PREVIOUS ENVIRONMENTAL REPORTS 1
1.3 SCOPE OF WORK 3

2.0 LOCAL ENVIRONMENT AND RECEPTORS 5

2.1 SURFICIAL GEOLOGY 5
2.2 BEDROCK GEOLOGY 5
2.3 GROUNDWATER 5
2.4 SURFACE WATER 5

3.0 PARCELS OF POTENTIAL ENVIRONMENTAL CONCERN 6

4.0 FIELD INVESTIGATION AND SAMPLING METHODS 8

4.1 SOIL BORING ADVANCEMENT AND SAMPLING 8
4.2 GROUNDWATER SAMPLING 8

5.0 REGULATORY CRITERIA 10

5.1 SOIL CRITERIA 10
5.2 GROUNDWATER CRITERIA 10

6.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA 12

6.1 SOIL SAMPLE ANALYTICAL RESULTS 12
6.2 GROUNDWATER SAMPLE ANALYTICAL RESULTS 13
6.3 QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC) RESULTS 13

7.0 POTENTIAL SOURCES OF CONTAMINATION, RECEPTORS, AND IDENTIFIED PRELIMINARY AREAS OF ENVIRONMENTAL CONCERN 15

8.0 CONCLUSIONS AND RECOMMENDATIONS 17

9.0 LIMITATIONS 18

10.0 REFERENCES 19

FIGURES

Figure 1 Site Location Map
Figure 2 Soil Boring and Groundwater Grab Sample Locations
Figure 3 Soil Boring and Groundwater Grab Sample Locations
Figure 4 Soil Boring and Groundwater Grab Sample Locations
Figure 5 Soil Boring and Groundwater Grab Sample Locations

TABLES

Table 1 Sample Location Rationale and Selected Analyses
Table 2 Soil Sample Analytical Results
Table 3 Groundwater Sample Analytical Results

APPENDICES

Appendix A Soil Boring Logs
Appendix B Soil and Groundwater Analytical Laboratory Reports

1.0 INTRODUCTION

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) in support of ConnDOT Project No. 51-260, Route 4 Improvements from Garden Street to Mountain Spring Road in Farmington, Connecticut. This report provides a brief description and history of the project corridor, a discussion of the local environment and receptors, the investigation rationale, a summary of the data obtained during the investigation, an interpretation of the results with respect to the appropriate regulatory criteria, and recommendations.

1.1 Background and Purpose

The project corridor is located along Route 4 (Farmington Avenue) from Garden Street to Mountain Spring Road including intersections with Route 4, Route 10 (Main Street and Waterville Road), and High Street in Farmington, Connecticut. The project will involve new road construction, relocation/reconstruction of existing roadways, drainage improvements, utility relocations, and excavations in excess of three feet in depth. The site's location and pertinent features are depicted on Figures 1 through 5.

The purpose of this Task 210 SSI is to collect and review on-site soil and groundwater data in order to characterize the project corridor with respect to subsurface contamination and to evaluate whether the proposed construction activities may require management of contaminated soil or groundwater.

Several parcels located along Farmington Avenue, Garden Street, and High Street were identified to have a moderate or high risk of having environmental contamination, based on the results of a Task 110 Corridor Land Use Evaluation, completed by DTC on July 17, 2006.

The potential exists for soil and/or groundwater within the project corridor to be impacted with volatile organic compounds (VOCs), petroleum hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), metals, polychlorinated biphenyls (PCBs), and chlorinated pesticides and herbicides. These constituents of concern (COCs) were selected for analysis as part of this Task 210 SSI because they are common contaminants associated with the historic use of the adjoining parcels, which include gasoline service stations, auto repair shops, drycleaners, and an orchard.

1.2 Previous Environmental Reports

Prior to the preparation of this Task 210 SSI, DTC was retained by ConnDOT to conduct a Task 110 for the Route 4 Improvements Project. DTC also performed a Task 120 Preliminary Site Evaluation (PSE) and two Task 210 SSIs for an individual parcel, identified as 750 Farmington Avenue, which was acquired by ConnDOT in April 2009 as part of the project. The findings of these reports are briefly summarized below.

Task 110 Corridor Land Use Evaluation, Route 4 Improvements from Garden Street to Mountain Spring Road, DTC, dated July 2006

The objective of the Task 110 was to assess the relative environmental risk associated with current and former land uses within the project corridor and vicinity; to evaluate whether the project

activities may encounter hazardous wastes, contaminated materials, or other regulated substances; and to evaluate whether further investigation of the project corridor is warranted.

The Task 110 included the evaluation of a total of 33 parcels, of which six were assigned a "moderate risk" and seven were assigned a "high risk" designation designation. Based upon these findings, DTC recommended that a Task 210 SSI be performed in areas of anticipated intrusive construction activities and/or right-of-way acquisitions adjacent to the moderate and high risk parcels. These parcels are discussed in more detail in Section 3.0.

Task 120 Preliminary Site Evaluation (PSE), Former Parsons Chevrolet, DTC, dated May 2008

DTC completed a Task 120 PSE on behalf of ConnDOT for the former Parsons Chevrolet property located at 750 Farmington Avenue. Based on the findings of the Task 120 PSE, 26 on-site Potential Release Areas (PRAs) were identified throughout the property. A total of 20 PRAs were located entirely or partially within the taking area and slope easement limits associated with the proposed roadway to be constructed within the western portion of the parcel. No off-site PRAs were identified. The PRAs are discussed in detail in the above report.

Based on the findings of the Task 120 PSE, the site met the definition of an Establishment due to the operation of an auto body repair facility and the generation of more than 100 kilograms of hazardous waste in any one month.

DTC recommended that a Task 210 SSI be performed within the proposed taking area and slope easement limits.

Task 210 Subsurface Site Investigation, Former Parsons Chevrolet, DTC, dated June 2008

The following provides a brief summary of the findings of the above report.

DTC completed a Task 210 SSI on behalf of ConnDOT, the purpose of which was to collect soil and groundwater samples from within the limits of the taking area and slope easement limits of the proposed roadway to evaluate whether soil and/or groundwater contained regulated compounds at concentrations exceeding the soil and/or groundwater clean-up criteria in the Remediation Standard Regulations (RSRs).

The Task 210 SSI activities completed by DTC in April and May 2008 included a ground penetrating radar (GPR) survey/subsurface utility and product line mark out, completion of 14 borings (four within the on-site buildings), installation of two monitoring wells, and the collection and analysis of 38 soil and five groundwater samples (from the two newly-installed and three existing monitoring wells).

Based on the results of the GPR survey, the 1,000-gallon heating oil, motor oil, and waste oil underground storage tanks (USTs) were confirmed to exist at the site. Also, it was confirmed that a former 1,000-gallon heating oil UST (identified as C-1), two 2,000-gallon motor oil USTs (identified as B-1 and B-2), 1,000-gallon transmission fluid UST (identified as C-1), and two 2,000-gallon waste oil USTs (identified as D-1 and E-1) had been removed.

Three potential USTs, located to the east of the garage/clean-up shop building, and a possible buried vault or unidentified metallic subsurface structure, located adjacent to the northern corner of the main building, were also detected during the GPR survey.

Based on the findings of the Task 210 SSI, PAHs, extractable total petroleum hydrocarbons (ETPH), and lead were detected in soil at concentrations exceeding the RSR criteria. Groundwater did not contain detectable concentrations of PAHs, ETPH, or PCBs. Very low concentrations of VOCs and metals were detected in one or more of the groundwater samples.

Task 210 Subsurface Site Investigation, Former Parsons Chevrolet, DTC, dated October 2008

The following provides a brief summary of the findings of the above report.

DTC completed a second Task 210 SSI on behalf of ConnDOT, the purpose of which was to collect soil and groundwater samples from outside of the taking area and slope easement limits of the proposed roadway.

The Task 210 SSI activities completed by DTC in September and October 2008 included completion of 25 borings (six within the on-site buildings), installation of two monitoring wells, and the collection and analysis of 53 soil and two groundwater samples (from the two newly-installed wells).

The findings of the second Task 210 SSI indicated the following:

1. ETPH was detected at concentrations exceeding the Residential Direct Exposure Criteria (RES DEC), the Industrial/Commercial (I/C) DEC, and the GA Pollutant Mobility Criteria (PMC) in one or more soil samples.
2. PAHs were detected at concentrations exceeding the RES and I/C DEC in three soil samples.
3. Lead was detected at one boring location at concentrations exceeding the GA PMC.
4. Tetrachoroethylene (PCE) was detected in one groundwater sample at concentrations less than the RSR criteria.
5. PAHs, ETPH, and PCBs were not detected in any of the groundwater samples.
6. Metals were detected at background concentrations in the groundwater samples.

1.3 Scope of Work

DTC completed this Task 210 SSI pursuant to our task assignment recommendation, dated August 24, 2006, which was approved by ConnDOT. DTC designed the Task 210 SSI activities based on a review of the previous environmental reports described above, a site walkover, and a review of preliminary project plans.

The scope of work for this Task 210 SSI included the following tasks:

- Pre-drilling activities, including: (1) marking proposed drilling locations, (2) contacting Call-Before-You-Dig to request mark outs of subsurface utilities, and (3) meeting on-site to discuss proposed drilling locations with representatives of the various utility companies/agencies;
- Completion of 27 soil borings to a maximum depth of 17.5 feet below grade using a truck-mounted Geoprobe direct-push rig;
- Completion of five soil borings to depths of two feet below grade using a hand auger.
- Installation of two temporary groundwater monitoring wells;

- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of 44 soil samples for one or more of the following:
    - ETPH by Connecticut DEP method;
    - total RCRA 8 metals by EPA Method 6010B;
    - total lead and arsenic by EPA Method 6010B;
    - leachable metals by Synthetic Precipitation Leaching Procedure (SPLP) and/or Toxicity Characteristic Leaching Procedure (TCLP);
    - PCBs by EPA Method 8082;
    - PAHs by EPA Method 8270;
    - VOCs by EPA Method 8260B;
    - chlorinated pesticides by EPA Method 8081;
    - leachable chlorinated pesticides by SPLP; and
    - chlorinated herbicides by EPA Method 8151.
- Collection and laboratory analysis of two groundwater samples (from temporary wells) for ETPH by the Connecticut DEP method and VOCs by EPA Method 8260B.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the "Surficial Materials Map of Connecticut", dated 1992, surficial materials of the project corridor consists of kame terrace deposits, which are described as reddish-brown sand and gravel with stones generally less than six inches in diameter.

Based on soil samples observed during the boring advancement activities, surficial materials consist of both native and non-native materials (fill). Fill materials consisting of light to dark, fine to medium brown, sand with traces of gravel, silt, asphalt, ash, and cinders were observed to overly native till material consisting of reddish and orange brown, sand with silt, gravel, cobbles, and boulders. Boring logs are included as Appendix A.

2.2 Bedrock Geology

According to the "Bedrock Geology Map of the New Britain Quadrangle", the project corridor is underlain by New Haven Arkose, which is described as pale reddish-brown to grayish-red, coarse to fine grained, sandstone, siltstone, and silty shale. Geoprobe refusal was encountered at depths ranging from approximately 4 to 17.5 feet below grade. Geoprobe refusal may be indicative of large boulders present in the till or the bedrock surface. No bedrock outcrops were observed throughout the corridor or within the immediate vicinity.

2.3 Groundwater

Based on a review of the Water Quality Classifications Map of the Connecticut River and Southcentral Coastal Basins, adopted 1993, DEP has designated groundwater beneath the project corridor and surrounding area as "GA" quality. Groundwater of this classification is defined by the DEP as groundwater within the area of existing private water supply wells or an area with the potential to provide water to public or private water supply wells. The DEP presumes that groundwater in such an area is, at a minimum, suitable for drinking or other domestic uses without treatment.

During this Task 210 SSI, the groundwater table within the project corridor was encountered at two locations at depths of 6.5 (at B-18) and 15 (at B-1) feet below grade. Based on groundwater depth measurements obtained during DTC's October 6, 2008 Task 210 SSI for 750 Farmington Avenue, groundwater appears to flow in a south southwesterly direction, toward the Farmington River. The presence of subsurface structures, impervious surfaces, and the character of the subsurface stratigraphy may also locally influence the direction of groundwater movement.

2.4 Surface Water

The Farmington River is located directly to the west of the project corridor. According the above referenced DEP map, the Farmington River is classified as a "B" surface water body. The Class "B" designation indicates an inland water body known or presumed to meet water quality criteria for fish and wildlife habitat, industrial and agricultural supply, and other legitimate uses including navigation.

3.0 PARCELS OF POTENTIAL ENVIRONMENTAL CONCERN

As indicated in Section 1.2, DTC performed a Task 110 Corridor Land Use Evaluation for the project corridor. The Task 110 included the evaluation of 33 parcels, of which seven were assigned a "high risk" designation and six were assigned a "moderate risk" designation. The "high risk" and "moderate risk" parcels are summarized below.

Moderate Risk Parcels

Parcel 2 – 729 Farmington Avenue – This residential parcel was assigned a moderate risk due to a reported leaking heating oil UST in 2001 and the use of a portion of the parcel as an orchard. The UST and petroleum contaminated soil were removed.

Parcel 5 – 768 Farmington Avenue – This commercial parcel was assigned a moderate risk due to the historic presence of an oil UST between the building and the roadway of Farmington Avenue. It is not known if this UST has been removed. A partial or total take of this parcel is proposed.

Parcel 12 – 780 Farmington Avenue – This commercial parcel was assigned a moderate risk due to the presence of a photographer from approximately 1979 to the present. Hazardous chemicals, including mercury and silver, are used in the development of photographs.

Parcel 15 – 790 Farmington Avenue – This commercial parcel was assigned a moderate risk due to its use as a commercial office building.

Parcel 22 – 2-4 Garden Street – This commercial office building parcel was assigned a moderate risk due to the historic presence of a gasoline UST along the northwest corner of the existing building. It is not known if this UST has been removed.

Parcel 23 – 2 High Street – This commercial parcel was assigned a moderate risk due to its commercial use as a bank.

High Risk Parcels

Parcel 3 – 750 Farmington Avenue – This commercial parcel was assigned a high risk because the parcel is an Establishment due to the filing of two Form I Transfer Act forms, one in 1988 and another in 1997. The parcel has a significant commercial history as an automobile dealership, auto body shop, and automotive service center. Automotive operations have been conducted at the site since the late 1920s. The facility has been documented to have used and produced significant quantities of regulated and hazardous materials/wastes. Multiple gasoline and diesel fuel USTs have been documented to currently exist or to have been removed from the site. This site is listed as a CERCLIS NFRAP site and a State Site due to releases of chlorinated VOCs, semi-VOCs, and metals.

The findings of the two Task 210 SSIs indicated that regulated compounds had been released to soil and groundwater at this site. This parcel was acquired by ConnDOT as part of the corridor improvement project in April 2009.

Parcel 7 – 772 Farmington Avenue – This commercial parcel was assigned a high risk due to the historic presence of a potential drycleaner in 1955. Also, historic documentation indicates that a

gasoline UST and an oil UST were present at the site along the southeast corner of the building. It is not know if these USTs were removed.

Parcel 13 – 781 Farmington Avenue – This commercial parcel was assigned a high risk because the parcel was historically utilized as an automobile repair garage and "platter" from approximately 1946 to 1973. Historical information indicates that two gasoline USTs existed at the site. It is not known if these USTs were removed.

Parcel 14 – 784-788 Farmington Avenue – This commercial parcel was assigned a high risk because a drycleaner may have operated on this parcel in the late 1950s/early 1960s. Two leaking heating oil USTs and 70 cubic yards of contaminated soil were removed from the site in 1994. Some soil contamination was documented to remain in place adjacent to Building 2 (former Chuck's Steakhouse). A fill pipe for a heating oil UST was observed adjacent to Building 1. The age, capacity, and condition of this UST are unknown. Historic information indicates that two gasoline USTs were located to the west of Building 1. It is not known if these USTs were removed. A partial take of this parcel is proposed.

Parcel 18 – 806 Farmington Avenue – This commercial parcel was assigned a high risk because a heating oil UST was documented to have leaked at the site, resulting in significant subsurface contamination. The UST and approximately 40 cubic yards of contaminated soil were removed. A partial take of this parcel is proposed.

Parcel 19 – 819 Farmington Avenue – This commercial parcel was assigned a high risk because an oil UST was documented to have leaked at the site, resulting in subsurface contamination.

Parcel 21 – 838-850 Farmington Avenue – This commercial parcel was assigned a high risk because a drycleaner may have operated on this parcel from approximately 1973 to 1979. This parcel may also be located downgradient or cross-gradient from two gasoline stations and an operating drycleaner.

4.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the advancement of 32 borings, installation of two temporary monitoring wells, and collection and laboratory analysis of 44 soil and two groundwater samples.

DTC subcontracted Logical Environmental Solutions, Inc. (LES) of Tolland, Connecticut to advance the borings using a Geoprobe direct-push rig and to install the temporary wells. The subsurface exploration program was completed on July 7 and 8, 2009.

The soil boring and temporary monitoring well locations are depicted on Figures 2 through 5.

Soil and groundwater samples were analyzed for regulated compounds associated with the historic uses of the identified high and moderate risk parcels with the project corridor. Table 1 provides a summary of the sampling rationale and the laboratory analyses requested for each soil and groundwater sample. The following sections summarize the field investigation and sampling methodologies used during this investigation.

4.1 Soil Boring Advancement and Sampling

The borings, identified as B-1, B-3 through B-11, B-13 through B-15, B-17 through B-25, B-27 through B-31, and HA-1 through HA-5 were advanced to depths ranging from 2 to 17.5 feet below grade on July 7 and 8, 2009. Four of the proposed borings (B-2, B-12, B-16, and B-26) were not completed due to utility conflicts. Soil samples were obtained continuously during advancement of the borings using a stainless-steel, four-foot long sampling device, lined with a dedicated acetate sample tube. The tube was opened on its horizontal axis to allow inspection, description of lithology, and sampling of the material.

A representative portion of each 4-foot long soil core was immediately collected by the DTC field scientist and placed within a clean polyethylene zip-lock bag for field screening with a PID. The PID was equipped with a 10.6 eV bulb and was calibrated to isobutylene standard gas (100 parts per million). The results of the PID screening are provided on the boring logs, which are included as Appendix A.

Asphalt fragments were noted in borings B-1 and B-10. Ash and cinders were noted in borings B-3, B-15, B-18, and B-19.

Following lithology description, soil samples were collected at approximately two foot intervals from each boring. Soil samples from the borings were selected for laboratory analysis based upon the current/historic use of the nearby parcels, visual appearance of the soil, the results of the field screening, and the anticipated construction activities. The samples were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, MA, a State of Connecticut Department of Public Health certified environmental testing laboratory, using proper preservation techniques and chain of custody control.

4.2 Groundwater Sampling

Following soil sampling, a 1-inch diameter PVC slotted screen and 1-inch diameter PVC riser pipe coupled with a PVC end-cap were assembled and inserted into two of the boreholes, identified as B-1 and B-18, as temporary sampling wells. Groundwater was not encountered during the advancement of the remaining borings.

After the groundwater in the temporary wells was allowed to equilibrate, the wells were sampled using a peristaltic pump, set at a low-flow rate, and dedicated tubing. The groundwater was decanted from the dedicated tubing directly into pre-preserved sample containers provided by the laboratory.

Upon collection, the groundwater samples were immediately placed in a cooler with ice. The samples were submitted to Spectrum using proper preservation techniques and chain of custody control.

5.0 REGULATORY CRITERIA

The soil and groundwater analytical results were compared to the numeric criteria listed in the Connecticut DEP Remediation Standard Regulations (RSRs), sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies, dated January 1996, and to numeric criteria in the DEP Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria, dated October 24, 2005. The RSRs were developed by the DEP to define the remediation performance standards for soil and groundwater.

The groundwater analytical results were also compared to the maximum contaminant concentration limits listed in the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated February 9, 2005.

The RSRs apply specifically to sites at which remedial actions are required by the DEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

The majority of the project corridor is not currently regulated under any of these State statutes. However, DTC used the numeric criteria in the RSRs as guidelines to evaluate the data and to make conclusions regarding concentrations of regulated compounds detected in soil and groundwater. The following sections provide a brief summary of the soil and groundwater criteria utilized during this Task 210 SSI.

5.1 Soil Criteria

Direct Exposure Criteria (DEC)

The DEC are designed to protect human health from risks associated with exposure to pollutants in contaminated soil within 15 feet of the ground surface.

The RSRs provide two sets of DEC, one for residential land use (RES DEC) and another for industrial/commercial land use (I/C DEC). Remediation to the RES DEC is required unless an ELUR has been recorded that restricts residential use. For this project, DTC compared the soil analytical results to the RES DEC.

Pollutant Mobility Criteria (PMC)

The PMC are designed to protect groundwater quality by reducing or eliminating the potential for migration of pollutants to groundwater from contaminated soil. The RSRs provide two sets of PMC based on the groundwater classification of the site, as designated by DEP. In a "GA" groundwater classification area, the GA PMC apply to soil located from the ground surface to the depth of the seasonal low water table. As the project area is in a "GA" area, DTC compared the soil analytical results to the GA PMC.

5.2 Groundwater Criteria

Groundwater Water Protection Criteria (GWPC)

The GWPC apply to groundwater within "GA" and "GAA" classified areas. The goal of the GWPC is to preserve the designated use of the groundwater resource as an existing or potential future

supply of water suitable for drinking or other uses without prior treatment. As the project area is in a "GA" area, DTC compared the groundwater analytical data to the GWPC.

Surface Water Protection Criteria (SWPC)

The SWPC apply to groundwater that discharges to surface water. The goal of the SWPC is to preserve surface water quality to protect both human health and the environment. As all groundwater eventually discharges to a surface water body, DTC compared the groundwater analytical results to the SWPC.

Volatilization Criteria (VC)

The VC apply to groundwater located within 15 feet of the ground surface or a building; however the DEP has proposed amending the regulations to include groundwater located within 30 feet of the surface. The DEP proposed revisions to the numeric volatilization criteria in its March 2003 publication "Proposed Revisions – Connecticut's Remediation Standard Regulations Volatilization Criteria". The goal of the VC is to protect human health from contaminants that may volatilize from impacted groundwater into overlying buildings.

The RSRs provide two sets of VC, one for residential land use and another for industrial/commercial land use. Remediation to the RES VC is required unless an ELUR has been recorded that restricts residential use. For this project, DTC compared the analytical results for groundwater to the RES VC.

DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water Maximum Concentration Limits (MCLs)

The Surface Water Discharge MCLs apply to groundwater remediation wastewater that is discharged to surface water. The potential exists for excavations located within the project corridor to be performed below the water table. In order to evaluate whether groundwater dewatered from various excavation would require special management, DTC compared the groundwater analytical results to the Surface Water Discharge MCLs.

6.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

6.1 Soil Sample Analytical Results

Soil analytical results for this Task 210 are summarized in Table 2 along with the regulatory criteria and are discussed below. The soil analytical laboratory reports are included in Appendix B.

ETPH

A total of 35 soil samples were analyzed for ETPH. ETPH was detected above the method detection limit in 13 soil samples including B-1 (4-6.5'), B-1 (8-10'), B-5 (4-6'), B-13 (1-3'), B-15 (0.5-2'), B-15 (2-3'), B-15 (4-6'), B-17 (0.5-2.5'), B-18 (0.5-2'), B-19 (0.5-2'), B-19 (2-4'), B-19 (4-6'), and B-29 (0.5-2').

ETPH was detected at a concentration of 1,300 mg/kg, which exceeds the RES DEC of 500 mg/kg, in only one sample, identified as B-15 (0.5-2'). ETPH was not detected at concentrations exceeding the I/C DEC of 2,500 mg/kg in any of the soil samples.

VOCs

A total of 29 soil samples were analyzed for aromatic and halogenated VOCs by EPA Method 8260. No VOCs were detected above the method detection limits in any of the soil samples obtained during the Task 210 SSI.

PAHs

A total of 11 soil samples were analyzed for PAHs by EPA Method 8270. PAHs were not detected above the method detection limits in any of the soil samples obtained during the Task 210 SSI.

Metals

A total of three soil samples were analyzed for total RCRA 8 metals, 12 samples were analyzed for total lead only, and nine samples were analyzed for total arsenic and lead only. As summarized in Table 2, metals were not detected in any of the soil samples at concentrations exceeding the RES DEC. Lead was detected at concentrations above typical background concentrations in soil samples obtained from borings B-15, B-17, B-18, B-29, and HA-1. None of the other metals were detected at concentrations greater than typical background levels.

Soil samples containing elevated concentrations of metals were additionally analyzed for specific leachable metals by SPLP for comparison to the GA PMC. Leachable lead was detected in samples B-15 (0.5-2'), B-18 (0.5-2'), and B-19 (2-4') at concentrations exceeding the GA PMC of 0.015 mg/l. No other leachable metals were detected in the analyzed samples.

Sample B-19 (2-4') was additionally analyzed for leachable lead by TCLP to evaluate whether the soil contained hazardous levels of lead. Leachable lead was detected at a concentration of 3.87 mg/l which does not exceed the RCRA Characteristically Hazardous Waste Regulatory Limit of 5 mg/l.

PCBs

A total of two soil samples were analyzed for PCBs by EPA Method 8082. PCBs were not detected above the method detection limits in the soil samples.

Chlorinated Pesticides and Herbicides

A total of five soil samples were analyzed for chlorinated pesticides and herbicides by EPA Method 8081 and 8151, respectively. The pesticide 4,4-DDE was detected above the method detection limit in the soil sample identified as HA-4 (0-2') and the pesticide 4,4-DDT was detected above the method detection limit in soil sample HA-5 (0-2'). Pesticides were not detected in any soil samples at concentrations exceeding the RES DEC. Chlorinated herbicides were not detected in the soil samples.

Soil samples HA-4 (0-2') and HA-5 (0-2') were additionally analyzed for leachable chlorinated pesticides by SPLP for comparison to the GA PMC. Leachable pesticides were not detected above the method detection limit in these samples.

6.2 Groundwater Sample Analytical Results

Two groundwater samples were submitted for laboratory analysis during this Task 210 SSI. Groundwater analytical results are summarized in Table 3, along with the appropriate regulatory criteria. The groundwater analytical laboratory report is included in Appendix B.

ETPH

ETPH was not detected in the samples above the method detection limits.

VOCs

Acetone and toluene were detected in groundwater sample B-1/GW at concentrations below the RSR criteria. Acetone is a typical laboratory contaminant. Naphthalene, toluene, and total xylenes were detected in groundwater sample B-18/GW at concentrations below the RSR criteria.

Total VOCs were detected at a concentration of 11.7 ug/l in the B-18/GW sample, which exceeds the Surface Water Discharge MCL of 10 ug/l for total VOCs.

6.3 Quality Assurance (QA)/Quality Control (QC) Results

Soil

Two trip blank samples were prepared at the laboratory and accompanied the sample containers from the laboratory, to the site, and back to the laboratory. The purpose of a trip blank sample is to evaluate the potential for cross-contamination during transport. The trip blank samples were analyzed for VOCs. VOCs were not detected in the trip blank samples, indicating that there was likely no cross-contamination of the samples during transportation.

Two duplicate soil samples were obtained from randomly selected soil samples to evaluate the accuracy of the laboratory analytical data. Sample Duplicate-1 was obtained from sample B-24 (4-

6') and was analyzed for ETPH, VOCs, and PCBs. Sample Duplicate-2 was obtained from sample B-1 (14-15.5') and was analyzed for total lead only.

The results indicated that there was a 39.8 Relative Percent Difference (RPD) in the total lead concentrations, which is less than 50 RPD allowed for non-aqueous samples according to the DEP Laboratory QA/QC Guidance document, dated May 2009. ETPH, VOCs, and PCBs were not detected in the original sample B-24 (4-6') or it's duplicate.

All analyses were performed per the DEP Reasonable Confidence Protocol (RCP) and meet the RCP requirements. Therefore, all of the soil analytical data meet the requirements for Reasonable Confidence as defined by the DEP.

DTC also thoroughly reviewed the QA/QC report included with the laboratory analytical reports to evaluate the reliability of the analytical data. Please refer to the analytical reports for a detailed narrative discussion of the reliability of the data.

Groundwater

A field blank sample was collected by running de-ionized water through the sampling equipment and into the laboratory provided sample containers. The purpose of a field blank sample is to evaluate the potential for cross-contamination due to the sampling equipment or technique.

The field blank sample was analyzed for ETPH and VOCs. No constituents were detected in the field blank sample.

A trip blank sample was prepared at the laboratory and accompanied the sample containers from the laboratory, to the site, and back to the laboratory. The purpose of a trip blank sample is to evaluate the potential for cross-contamination during transport. The trip blank sample was analyzed for VOCs. VOCs were not detected in the sample, indicating that there was likely no cross-contamination of the samples during transport.

A duplicate groundwater sample was obtained from the temporary well installed in boring B-18 to evaluate the accuracy of the laboratory analytical data. On average there was a 45 RPD in VOC concentrations, which exceeds the 30 RPD allowed for aqueous samples according to the DEP QA/QC guidance document. However, the samples were obtained from a temporary well point which was not sampled using low flow protocols. Under these circumstances, it would be very difficult to obtain homogeneous samples. ETPH was not detected in the original sample B-18/GW or it's duplicate.

All analyses were performed per the RCP and meet the RCP requirements. Therefore, all of the groundwater analytical data meet the requirements for Reasonable Confidence as defined by the DEP.

DTC also thoroughly reviewed the QA/QC report included with the laboratory analytical results report to evaluate the reliability of the analytical data. Please refer to the analytical reports for a detailed narrative discussion of the reliability of the data.

7.0 POTENTIAL SOURCES OF CONTAMINATION, RECEPTORS, AND IDENTIFIED PRELIMINARY AREAS OF ENVIRONMENTAL CONCERN

The following provides a summary of the potential sources of soil and groundwater contamination identified during completion of this Task 210 SSI, an evaluation of potential pathways for migration, and the identification of preliminary Areas of Environmental Concern (AOECs) and Low-level Areas of Environmental Concern (LLAOECs) within the project corridor. The identified preliminary AOECs and LLAOECs are depicted in Figures 2 through 5.

AOEC 1 – Contaminated Soil and Groundwater in the Vicinity of Borings B-15, B-18, and B-19

ETPH and leachable lead at concentrations exceeding the Residential DEC and/or GA PMC were detected in soil samples obtained from borings B-15, B-18, and B-19 at depths ranging from 0 to 4 feet below grade. In addition, an elevated concentration of total lead was detected in boring B-17 in this area. These borings were completed on the commercial property located at 784-788 Farmington Avenue (Parcel 14). The source of the ETPH and lead may be releases of leaded gasoline and/or heating oil to soil from the two leaking heating oil USTs and two gasoline USTs, incidental releases from vehicles in the parking area, or fill containing ash and cinders.

Total VOCs at a concentration exceeding the Surface Water Discharge MCL of 10 ug/l were detected in groundwater sample B-18/GW. The source of the VOCs may be due to either releases of gasoline and/or heating oil to groundwater from the two leaking heating oil USTs and two gasoline USTs or incidental releases from vehicles in the parking area.

As previously discussed, the project will involve new road construction, relocation/reconstruction of existing roadways, drainage improvements, utility relocations, and excavations in excess of three feet in depth. Any soil excavated from this area should be handled as controlled material.

Based on the design plans available at the time of this report, it is unknown whether excavations located within the project corridor will be performed below the water table. If groundwater is encountered and dewatering operations are necessary within AOEC 1, the groundwater should be handled as controlled material.

Potential receptors of the impacted soil and groundwater could include workers involved in the road construction activities, particularly during excavation and dewatering activities, if necessary.

LLAOEC "A" – Low Level Soil in the Vicinity of Boring B-1

Low-level ETPH (at concentrations not exceeding the applicable RSR criteria) were detected in soil samples obtained from boring B-1 at a depth of 4 to 10 feet below grade.

The source of the ETPH contamination could not be confirmed, however, it may be related to either incidental releases from vehicles and/or a gasoline UST in the vicinity of the boring.

LLAOEC "B" – Low Level Soil in the Vicinity of Boring B-5

Low-level ETPH (at a concentration not exceeding the applicable RSR criteria) were detected in a soil sample obtained from boring B-5 at a depth of 4 to 6 feet below grade.

The source of the ETPH contamination could not be confirmed, however, it may be related to either incidental releases from vehicles and/or a leaking oil UST in the vicinity of the boring.

LLAOEC "C" – Low Level Soil in the Vicinity of Boring B-13

Low-level ETPH (at a concentration not exceeding the applicable RSR criteria) were detected in a soil sample obtained from boring B-13 at a depth of 1 to 3 feet below grade.

The source of the ETPH contamination could not be confirmed, however, it may be related to incidental releases from vehicles in the parking area.

LLAOEC "D" – Low Level Soil in the Vicinity of Boring B-29

Low-level ETPH and total lead (at concentrations not exceeding the applicable RSR criteria) were detected in a soil sample obtained from boring B-29 at a depth of 0.5 to 2 feet below grade.

The source of the ETPH and lead contamination could not be confirmed, however, it appears to be related to incidental releases from vehicles.

LLAOEC "E" – Low Level Soil in the Vicinity of Borings HA-4 and HA-5

Low-level chlorinated pesticides (at concentrations not exceeding the applicable RSR criteria) were detected in soil samples obtained from borings HA-4 and HA-5 at a depth of 0 to 2 feet below grade.

The source of the pesticide impacted soil appears to be related to the orchard located at 729 Farmington Avenue (Parcel 2).

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical data collected by DTC, one preliminary AOEC and five preliminary LLAOECs were identified within the project corridor, as summarized below:

- Soil within AOEC 1 contains ETPH at a concentration exceeding the RES DEC and GA PMC and leachable lead at concentrations exceeding the GA PMC and must be handled as controlled material. Groundwater within AOEC 1 contains total VOCs at a concentration exceeding the Surface Water Discharge MCL and must be handled as controlled material.
- Soil within LLAOEC "A" contains low-level ETPH.
- Soil within LLAOEC "B" contains low-level ETPH.
- Soil within LLAOEC "C" contains low-level ETPH.
- Soil within LLAOEC "D" contains low-level ETPH and total lead.
- Soil within LLAOEC "E" contains low-level chlorinated pesticides.

Based on the results of this Task 210 SSI, DTC recommends that a Task 310 – Plans, Specifications, and Estimates be assigned to prepare plans and specifications for the proper management and disposal of contaminated materials that may be excavated, dewatered, handled, transported, or disposed during construction activities and for the establishment of appropriate worker health and safety protocols.

9.0 LIMITATIONS

All work product and reports provided in connection with the performance of this Task 210 SSI are subject to the following limitations:

This investigation and report were conducted and prepared on behalf of, and for the exclusive use of, ConnDOT.

The observations, findings, and conclusions provided in this report were based on DTC's observations of the site conditions at the time of the investigation.

The conclusions summarized herein are based on the observations and investigations described within this report. Future events at the site or surrounding properties may alter these findings. This Task 210 SSI was designed specifically to evaluate soil and groundwater conditions within the project corridor and did not involve sampling and laboratory analysis of soil vapor, surface water, or sediment. Subsurface conditions beyond the project corridor were not evaluated as part of this Task 210 SSI.

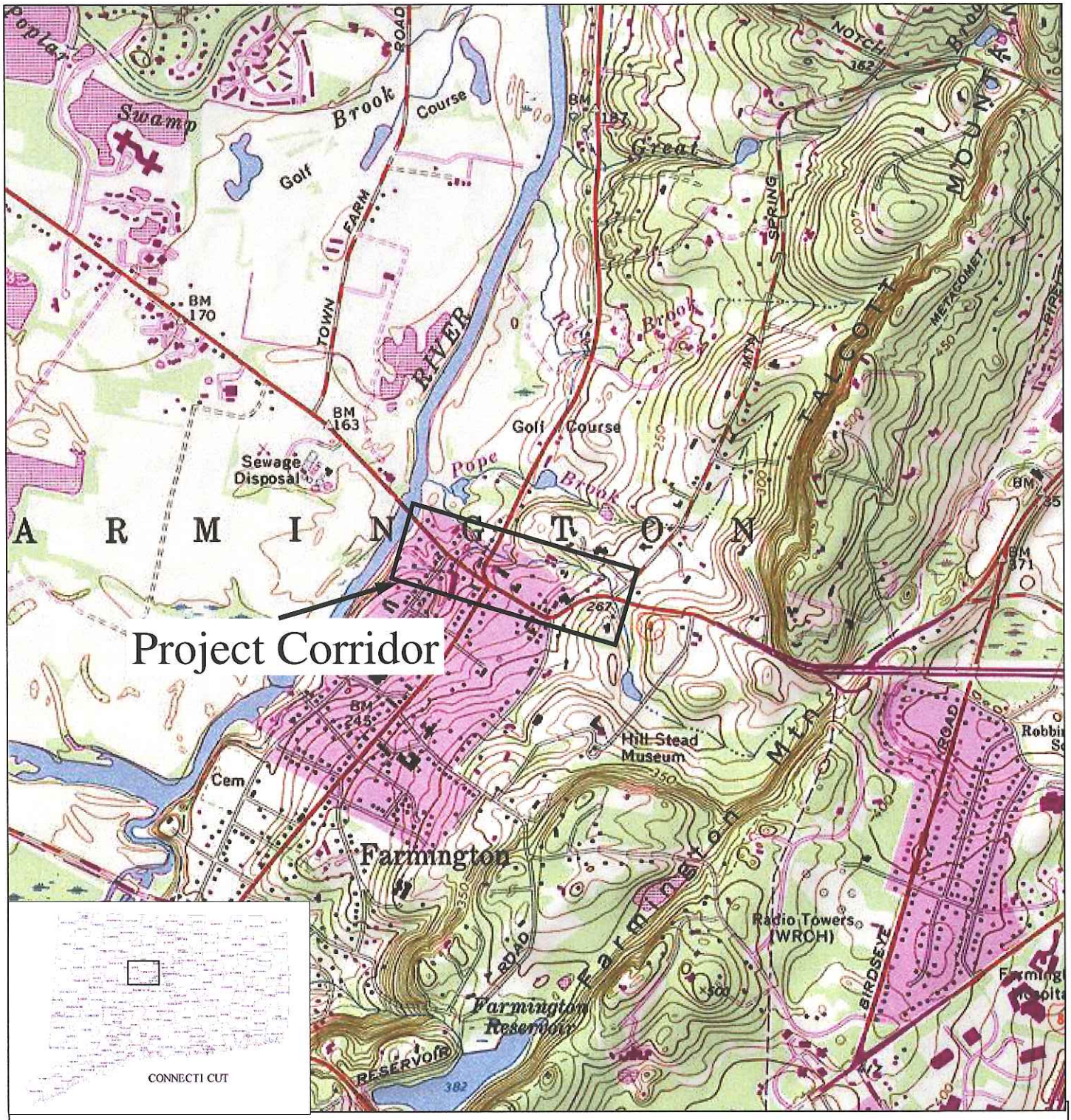
In completing this Task 210 SSI, DTC relied upon information provided by subcontractors (i.e. laboratories and drilling contractors). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness of the information provided.

DTC has performed this study in a professional manner using a degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. The conclusions provided by DTC are based solely on the scope of work conducted and on observations and limited explorations described within this report at the time these services were conducted. No other warranty, expressed or implied, is made as to the professional opinions included by DTC in this report.

10.0 REFERENCES

1. "Task 110 Corridor Land Use Evaluation", DTC, dated July 17, 2006.
2. "Task 120 Preliminary Site Evaluation", DTC, dated May 2008.
3. "Task 210 Subsurface Site Investigation", DTC, dated June 2008.
4. "Task 210 Subsurface Site Investigation", DTC, dated October 2008.
5. State of Connecticut Department of Environmental Protection (CTDEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, effective January 30, 1996. Proposed Revisions, Connecticut's Remediation Standard Regulations, Volatilization Criteria, dated March 2003.
6. CTDEP, "Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria", dated October 24, 2005.
7. CTDEP, "Water Quality Classifications Map of the Connecticut and Southcentral Coastal Basins", adopted 1993.
8. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2003.
9. Stone, J., USGS, "Surficial Materials Map of Connecticut", dated 1992.
10. Talcott Mountain Science Center for Student Involvement, "Bedrock Geology Map of the New Britain Quadrangle" State Geological and Natural History Survey of Connecticut (on-line version).

FIGURES



USGS Quadrangle:, New Britain
1 inch = 2,000 feet

Site Location Map

Route 4 Improvements from Garden Street to Mountain Spring Road
Farmington, Connecticut

DTC Project No. 03-273-03E

August 2009

Figure 1

Diversified Technology Consultants, Inc.
2321 Whitney Avenue, Suite 301 Hamden CT 06518

TABLES

TABLE 1

Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260)	PAHs (8270)	ETPH	PCBs (8082)	Pesticides & Herbicides	RCRA 8 Metals	Lead	Arsenic
B-1	4-6.5	Adjacent to Parcel No. 21 (Drycleaner) & Across Street from Parcel No. 22 (Former Gasoline UST)	X		X					
Duplicate-2 (14-15.5)	8-10				X					
	14-15.5								X	
B-3	4-6	Adjacent to Parcel No. 19 (Leaking Oil UST)	X		X					
B-4	4-6	Adjacent to Parcel No. 21 (Drycleaner)	X		X					
B-5	4-6	Adjacent to Parcel No. 19 (Leaking Oil UST)	X		X					
B-6	4-4.5	Across Street From Parcel No. 19 (Leaking Oil UST)	X		X					
B-7	0-2	Across Street From Parcel No. 19 (Leaking Oil UST)	X							
B-8	4-6	Vicinity of Parcel No. 19 (Leaking Oil UST)	X		X					
B-9	0.5-2	Adjacent to Parcel No. 18 (Leaking Heating Oil UST)	X							
B-10	4-6	Adjacent to Parcel No. 18 (Leaking Heating Oil UST)	X		X					
B-11	4-6	Adjacent to Parcel No. 13 (Auto Repair, Platter, & Two Gasoline USTs)	X		X	X				
B-13	1-3	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)	X	X					X	
	4-5.5		X		X					
B-14	4-5	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)	X		X					
B-15	0.5-2	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)	X	X	X				X*	X
	2-3			X	X				X*	
	4-6			X	X				X	
	6-7.5		X	X	X				X	
B-17	0.5-2.5	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)		X	X				X	
	4-6		X		X					

Notes:

* Sample also analyzed by SPLP.

** Sample also analyzed by TCLP.

TABLE 1

Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260)	PAHs (8270)	ETPH	PCBs (8082)	Pesticides & Herbicides	RCRA 8 Metals	Lead	Arsenic
B-18	0.5-2	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)			X				X*	
	2-3.25		X	X	X					
	6-7.5		X	X	X					
B-19	0.5-2	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs) & Adjacent to Parcel No. 15			X				X*	
	2-4		X	X	X				X*/**	X
	4-6				X				X*	
	6-7		X	X	X				X	X
B-20	4-6	Adjacent to Parcel No. 13 (Auto Repair, Platter, & Two Gasoline USTs)	X		X					
B-21	4-6.5	Adjacent to Parcel No. 13 (Auto Repair, Platter, & Two Gasoline USTs)	X		X					
B-22	4-6	Adjacent to Parcel No. 7 (Possible Former Drycleaner & Gasoline & Oil USTs)	X	X	X				X	
B-23	4-6	Adjacent to Parcel No. 7 (Possible Former Drycleaner & Gasoline & Oil USTs)	X		X					
B-24 Duplicate-1	4-6	Vicinity of Parcel No. 22 (Former Gasoline UST)	X		X	X				
B-25	4-6	Adjacent to Parcel No. 23 (Oil UST)	X		X					
B-27	4-6	Adjacent to Parcel No. 3 (Former Auto Dealership / Repair Garage)	X		X			X		
B-28	2-3.5	Adjacent to Parcel No. 3 (Former Auto Dealership / Repair Garage)	X		X				X	
B-29	0.5-2	Adjacent to Parcel No. 3 (Former Auto Dealership / Repair Garage)	X		X			X*		
B-30	4-5	Adjacent to Parcel No. 3 (Former Auto Dealership / Repair Garage)	X		X			X		

Notes:

* Sample also analyzed by SPLP.

** Sample also analyzed by TCLP.

TABLE 1

Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260)	PAHs (8270)	ETPH	PCBs (8082)	Pesticides & Herbicides	RCRA 8 Metals	Lead	Arsenic
B-31	4-6	Adjacent to Parcel No. 3 (Former Auto Dealership / Repair Garage)							X	
HA-1	0-2	Within Parcel No. 2 (Orchard)					X		X*	X*
HA-2	0-2	Within Parcel No. 2 (Orchard)					X		X	X
HA-3	0-2	Within Parcel No. 2 (Orchard)					X		X	X
HA-4	0-2	Within Parcel No. 2 (Orchard)					X*		X	X
HA-5	0-2	Within Parcel No. 2 (Orchard)					X*		X	X
B-1/GW	Groundwater	Adjacent to Parcel No. 21 (Drycleaner) & Across Street from Parcel No. 22 (Former Gasoline UST)	X		X					
B-18/GW Duplicate-3	Groundwater	Within Parcel No. 14 (Possible Former Drycleaner, Two Leaking Heating Oil USTs, & Two Gasoline USTs)	X		X					

Notes:

* Sample also analyzed by SPLP.

** Sample also analyzed by TCLP.

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Parameters	Remediation Standard Regulations				Sample #	B-1	B-1	B-1	Duplicate-2 (B-1)	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-13	B-13	B-14	B-15	B-15	B-15
	RES DEC	I/C DEC	GA PMC	GWPC (ug/l)		4-6.5'	8-10'	14-15.5'	14-15.5'	4-6'	4-6'	4-6'	4-4.5'	0-2'	4-6'	0.5-2'	4-6'	4-6'	1-3'	4-5.5'	4-5'	0.5-2'	2-3'	4-6'
						7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/7/09	7/8/09	7/8/09	7/7/09	7/8/09	7/8/09	7/8/09	7/7/09	7/7/09	7/7/09
VOCs per EPA 8260 (mg/kg)	Various	Various	Various	NA		--	NA	NA	NA	--	--	--	--	--	--	--	--	--	NA	--	--	--	NA	NA
PAHs per EPA 8270 (mg/kg)	Various	Various	Various	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	--	--	--
ETPH per CTDEP method (mg/kg)	500	2,500	500	NA		64.1	87.8	NA	NA	--	--	72.6	--	NA	--	NA	--	--	110	--	--	**1,300**	76.8	72.3
Total 8 RCRA Metals per EPA 6010 & 7471 (mg/kg)						NA	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA			
Arsenic	10	10	NA	NA				NA	NA										NA			2.55	NA	NA
Barium	4,700	140,000	NA	NA				NA	NA										NA			NA	NA	NA
Cadmium	34	1,000	NA	NA				NA	NA										NA			NA	NA	NA
Total Chromium	100	100	NA	NA				NA	NA										NA			NA	NA	NA
Mercury	20	610	NA	NA				NA	NA										NA			NA	NA	NA
Lead	500	1,000	NA	NA				7.23	4.83										8.94			315	21.6	7.83
SPLP Metals per EPA 6010 & 7471 (mg/l)						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA
Arsenic	NA	NA	0.05	NA																		NA	NA	
Cadmium	NA	NA	0.005	NA																		NA	NA	
Chromium	NA	NA	0.05	NA																		NA	NA	
Lead	NA	NA	0.015	NA																		**0.633**	--	
TCLP Metals per EPA 6010 & 7471 (mg/l)						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	5*	NA																				
PCBs per EPA 8082 (mg/kg)	1	10	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA	NA
Chlorinated Herbicides per EPA 8151 (mg/kg)	Various	Various	Various	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorinated Pesticides per EPA 8081 (mg/kg)						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4' - DDE	1.8	17	NE	NA																				
4,4' - DDT	1.8	17	NE	NA																				
SPLP Chlorinated Pesticides per EPA 8081 (mg/l)						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4' - DDE	NA	NA	NA	0.0001																				
4,4' - DDT	NA	NA	NA	0.0001																				

Notes:
RES DEC = Residential Direct Exposure Criteria.
I/C DEC = Industrial/Commercial Direct Exposure Criteria.
GA PMC = GA Pollutant Mobility Criteria.
SPLP = Synthetic Precipitation Leaching Procedure.
TCLP = Toxicity Characteristic Leaching Procedure.
mg/kg = milligrams per kilogram.
mg/l = milligrams per liter.
* RCRA Characteristically Hazardous Waste Regulatory Limit
-- = not detected, see laboratory reports for specific detection limits.
NA = not applicable / not analyzed for this compound.
NE = Criteria not established.
Shaded values indicate an exceedance of the RES DEC.
Bold values indicate an exceedance of the GA PMC.

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Parameters	Remediation Standard Regulations RES DEC	I/C DEC	GA PMC	GWPC (ug/l)	B-15 6-7.5' 7/8/09	B-17 0.5-2.5' 7/8/09	B-17 4-6' 7/8/09	B-18 0.5-2' 7/8/09	B-18 2-3.25' 7/8/09	B-18 6-7.5' 7/8/09	B-19 0.5-2 7/8/09	B-19 2-4' 7/8/09	B-19 4-6' 7/8/09	B-19 6-7' 7/8/09	B-20 4-6' 7/7/09	B-21 4-6.5' 7/7/09	B-22 4-6' 7/7/09	B-23 4-6' 7/7/09	B-24 4-6' 7/8/09	Duplicate-1 (B-24) 4-6' 7/8/09	B-25 4-6' 7/7/09	B-27 4-6' 7/7/09	B-28 2-3.5' 7/7/09
VOCs per EPA 8260 (mg/kg)	Various	Various	Various	NA	--	NA	--	NA	--	--	NA	--	NA	--	--	--	--	--	--	--	--	--	--
PAHs per EPA 8270 (mg/kg)	Various	Various	Various	NA	--	--	NA	NA	--	--	NA	--	NA	--	NA	NA	--	NA	NA	NA	NA	NA	NA
ETPH per CTDEP method (mg/kg)	500	2,500	500	NA	--	101	--	210	--	--	63.2	97	63.4	--	--	--	--	--	--	--	--	--	--
Total 8 RCRA Metals per EPA 6010 & 7471 (mg/kg)							NA			NA					NA			NA	NA	NA	NA		
Arsenic	10	10	NA	NA	NA	NA		NA	2.17		NA	2.54	NA	--			NA					--	NA
Barium	4,700	140,000	NA	NA	NA	NA		NA	NA		NA	NA	NA	NA			NA					108	NA
Cadmium	34	1,000	NA	NA	NA	NA		NA	NA		NA	NA	NA	NA			NA					1.27	NA
Total Chromium	100	100	NA	NA	NA	NA		NA	NA		NA	NA	NA	NA			NA					31	NA
Mercury	20	610	NA	NA	NA	NA		NA	NA		NA	NA	NA	NA			NA					--	NA
Lead	500	1,000	NA	NA	4.11	169		78.7	31.8		30.4	451	76	5.21			13					11.7	12.2
SPLP Metals per EPA 6010 & 7471 (mg/l)					NA	NA	NA		NA	NA				NA	NA		NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	0.05	NA				NA			NA	NA	NA										
Cadmium	NA	NA	0.005	NA				NA			NA	NA	NA										
Chromium	NA	NA	0.05	NA				NA			NA	NA	NA										
Lead	NA	NA	0.015	NA				**0.164**			--	**0.233**	--										
TCLP Metals per EPA 6010 & 7471 (mg/l)					NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	5*	NA								3.87											
PCBs per EPA 8082 (mg/kg)	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	--	NA	NA	NA
Chlorinated Herbicides per EPA 8151 (mg/kg)	Various	Various	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorinated Pesticides per EPA 8081 (mg/kg)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4' - DDE	1.8	17	NE	NA																			
4,4' - DDT	1.8	17	NE	NA																			
SPLP Chlorinated Pesticides per EPA 8081 (mg/l)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4' - DDE	NA	NA	NA	0.0001																			
4,4' - DDT	NA	NA	NA	0.0001																			

Notes:
RES DEC = Residential Direct Exposure Criteria.
I/C DEC = Industrial/Commercial Direct Exposure Criteria.
GA PMC = GA Pollutant Mobility Criteria.
SPLP = Synthetic Precipitation Leaching Procedure.
TCLP = Toxicity Characteristic Leaching Procedure.
mg/kg = milligrams per kilogram.
mg/l = milligrams per liter.
* RCRA Characteristically Hazardous Waste Regulatory Limit
-- = not detected, see laboratory reports for specific detection limits.
NA = not applicable / not analyzed for this compound.
NE = Criteria not established.
Shaded values indicate an exceedance of the RES DEC.
Bold values indicate an exceedance of the GA PMC.

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Parameters	Remediation Standard Regulations				Sample #	B-29	B-30	B-31	HA-1	HA-2	HA-3	HA-4	HA-5	Trip Blank	Trip Blank
	RES DEC	I/C DEC	GA PMC	GWPC (ug/l)		0.5-2'	4-5'	4-6'	0-2'	0-2'	0-2'	0-2'	0-2'		
						7/7/09	7/7/09	7/7/09	7/7/09	7/7/09	7/7/09	7/7/09	7/7/09	7/7/09	7/8/09
VOCs per EPA 8260 (mg/kg)	Various	Various	Various	NA		--	--	NA	NA	NA	NA	NA	NA	--	--
PAHs per EPA 8270 (mg/kg)	Various	Various	Various	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETPH per CTDEP method (mg/kg)	500	2,500	500	NA		110	--	NA	NA	NA	NA	NA	NA	NA	NA
Total 8 RCRA Metals per EPA 6010 & 7471 (mg/kg)														NA	NA
Arsenic	10	10	NA	NA		--	2.56	NA	7.86	4.35	3.54	4.09	3.01		
Barium	4,700	140,000	NA	NA		59.6	38.3	NA	NA	NA	NA	NA	NA		
Cadmium	34	1,000	NA	NA		1.04	1.12	NA	NA	NA	NA	NA	NA		
Total Chromium	100	100	NA	NA		40.2	20.1	NA	NA	NA	NA	NA	NA		
Mercury	20	610	NA	NA		0.0523	--	NA	NA	NA	NA	NA	NA		
Lead	500	1,000	NA	NA		71.2	13.6	4.39	69.1	24.6	25.1	20.1	38.5		
SPLP Metals per EPA 6010 & 7471 (mg/l)							NA	NA		NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	0.05	NA		NA			--						
Cadmium	NA	NA	0.005	NA		--			NA						
Chromium	NA	NA	0.05	NA		--			NA						
Lead	NA	NA	0.015	NA		--			--						
TCLP Metals per EPA 6010 & 7471 (mg/l)							NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	5*	NA		NA									
PCBs per EPA 8082 (mg/kg)	1	10	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorinated Herbicides per EPA 8151 (mg/kg)	Various	Various	Various	NA		NA	NA	NA	--	--	--	--	--	NA	
Chlorinated Pesticides per EPA 8081 (mg/kg)						NA	NA	NA						NA	NA
4,4' - DDE	1.8	17	NE	NA					--	--	--	0.00721	--		
4,4' - DDT	1.8	17	NE	NA					--	--	--	--	0.00514		
SPLP Chlorinated Pesticides per EPA 8081 (mg/l)						NA	NA	NA	NA	NA	NA			NA	NA
4,4' - DDE	NA	NA	NA	0.0001								--	--		
4,4' - DDT	NA	NA	NA	0.0001								--	--		

Notes:

RES DEC = Residential Direct Exposure Criteria.
I/C DEC = Industrial/Commercial Direct Exposure Criteria.
GA PMC = GA Pollutant Mobility Criteria.
SPLP = Synthetic Precipitation Leaching Procedure.
TCLP = Toxicity Characteristic Leaching Procedure.
mg/kg = milligrams per kilogram.
mg/l = milligrams per liter.
* RCRA Characteristically Hazardous Waste Regulatory Limit
-- = not detected, see laboratory reports for specific detection limits.
NA = not applicable / not analyzed for this compound.
NE = Criteria not established.
Shaded values indicate an exceedance of the RES DEC.
Bold values indicate an exceedance of the GA PMC.

TABLE 3

Groundwater Sample Analytical Results

Task 210 - Subsurface Site Investigation

Route 4 Improvements from Garden Street to Mountain Spring Road

Farmington, Connecticut

Parameters	Remediation Standard Regulations				B-1/GW	B-18/GW	Duplicate-3 (B-18/GW)	Field Blank	Trip Blank
	Proposed RES VC	GWPC	SWPC	SW Discharge MCL	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09
VOCs per EPA 8260 (ug/l)									
Acetone	50,000	700	NE	NE	12*	--	--	--	--
Naphthalene	NE	280	NE	NE	--	3.9	3.8	--	--
Toluene	7,100	1,000	4,000,000	NE	2.5	4.5	3.2	--	--
Xylenes	8,700	530	NE	NE	--	3.3	1.1	--	--
Total VOCs (ug/l)	NE	NE	NE	10	2.5	**11.7**	8.1	--	--
ETPH per DEP method (ug/l)	NE	100	NE	5,000	--	--	--	--	*NA*

Notes:

Proposed RES VC = revised Residential Volatilization Criteria proposed by the CT DEP in a March 2003 document.

SWPC = Surface Water Protection Criteria.

GWPC = Groundwater Protection Criteria.

SW Discharge MCL = maximum concentration limits listed in the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated February 9, 2005.

* Acetone is a typical laboratory contaminant.

VOCs = volatile organic compounds.

ETPH = extractable total petroleum hydrocarbons

NE = no criteria established.

ug/l = micrograms per liter.

-- = not detected, see laboratory reports for specific detection limits (Detection Limit < Criteria).

NA = not analyzed for this parameter.

Bold and shaded values indicate an exceedance of RSR criteria or the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water MCLs.

APPENDIX A

Soil Boring Logs

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-1**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny,mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			25	Topsoil/Grass		
	1	0.5-2				Br F-M SAND and SILT, trace F gravel, with asphalt fragments	0.7	
4-8	2	4-6.5			31	Lt Br F-C SAND and clayey SILT, trace F gravel, with asphalt fragments	0.3	
8-12	3	8-10			24	Lt Br F-C SAND	0.5	
12-15.5	4	12-14			30	same as above	0.0	
	5	14-15.5				Or Br SILT, some F-M SAND, trace F gravel (wet @15') (refusal @ 15.5')	0.0	**Groundwater @ 15'**
						END OF BORING @ 15.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
Grab groundwater sample collected

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-3**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny,mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			28	Br F-M SAND and SILT with cinders/ash from 1 to 1.5 feet	0.6	Groundwater not observed
4-6	2	4-6			25	Or Br F-M SAND and SILT (refusal @ 6')	0.7	
						END OF BORING @ 6'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-4**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny,mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			24	Dk Br F-M SAND, trace silt and F gravel	0.0	**Groundwater not observed**
4-8	2	4-6				Lt Br F-M SAND, trace silt and F gravel, with cobbles	0.5	
	3	6-7			36	Lt Br F-M SAND	0.0	
8-12	4	8-10				same as above	0.6	
	5	10-11			36		0.8	
12-15.5	6	12-14				same as above (dry) (refusal @ 15.5')	1.3	
	7	14-15.5			42		0.5	
						END OF BORING @ 15.5'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

Grab groundwater sample collected

DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 7/8/09 Date Completed: 7/8/09	BORING No. B-5
	Project: DOT Route 4 Farmington Task 210 Location: Farmington, CT			Method of investigation: Geoprobe

Project No.: 03-273-03E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: sunny,mid 70
P. Manager: Chris Koelle	Geologist: Joy Klappholz	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			28	Topsoil/Grass Or Br F-C SAND, some F-C gravel, trace silt	0.4	Groundwater not observed
	1	0.5-2.5						
4-7.5	2	4-6			26	Or Br F-M SAND and SILT, trace F gravel (refusal @ 7.5')	0.4	
						END OF BORING @ 7.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 7/8/09 Date Completed: 7/8/09	BORING No. B-6
	Project: DOT Route 4 Farmington Task 210 Location: Farmington, CT			Method of investigation: Geoprobe

Project No.: 03-273-03E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: sunny,mid 70
P. Manager: Chris Koelle	Geologist: Joy Klappholz	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2.5			35	Lt Br F SAND and SILT, trace F gravel	0.0	Groundwater not observed
	2	2-3					0.0	
4-4.5	2	4-4.5			6	Or Br F-M SAND and SILT, trace F gravel (refusal @ 4.5', boulder)	0.4	
						END OF BORING @ 4.5'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-7**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny,mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			24	Or Br F-M SAND, trace SILT, with cobbles (moist) (refusal @ 4')	0.3	**Groundwater not observed**
						END OF BORING @ 4'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

2 attempts; both refusal @ 4'

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-8**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny,low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			24	Rd Br SILT and F-M SAND, trace F gravel	4.0	**Groundwater not observed**
4-6	2	4-6			11	Rd Br clayey SILT, trace F gravel (refusal @ 6')	0.3	
						END OF BORING @ 6'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-9**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-3.5		0-0.5			25	Topsoil/Grass Or Br F-M SAND and clayey SILT, trace F-C gravel (dense) (refusal @ 3.5')	0.4	**Groundwater not observed**
	1	0.5-2						
						END OF BORING @ 3.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
2 attempts; both refusal @ 3.5'

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-10**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2.25			27	Or Br F SAND with asphalt fragments	0.3	**Groundwater not observed**
4-8	2	4-6				Or Br F SAND	0.0	
	3	6-8			48	Or Br M-C SAND, trace F gravel	0.4	
8-12	4	5-10.5			28	same as above	0.2	
12-16	5	12-14.25			27	Or Br M-C SAND, trace F gravel and clayey silt (dry)	0.5	
						END OF BORING @ 16'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	BORING No. **B-11**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt		
	1	0.5-2.25			34	Or Br F-M SAND and SILT trace F gravel	0.0	Groundwater not observed
4-6	2	4-6			24	Rd Br clayey SILT, trace F gravel (refusal @ 6')	1.3	
						END OF BORING @ 6'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-13**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-1				Asphalt/Subase		
	1	1-3			36	Or Br clayey SILT, trace F gravel	0.0	Groundwater not observed
4-6	2	4-5.5			18	same as above (refusal @ 6')	0.3	
						END OF BORING @ 6'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS / LAND STRUCTURES WATER — DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 7/8/09 Date Completed: 7/8/09	BORING No. B-14
	Project: DOT Route 4 Farmington Task 210 Location: Farmington, CT			Method of investigation: Geoprobe

Project No.: 03-273-03E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: sunny, mid 70
P. Manager: Chris Koelle	Geologist: Joy Klappholz	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-1			36	Asphalt/Subase Or Br F SAND	0.0	Groundwater not observed
	1	1-3						
4-6	2	4-5			12	same as above (refusal @ 6')	0.0	
						END OF BORING @ 6'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-15**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			36	Asphalt/Subase		Groundwater not observed
	1	0.5-1.5				Dk Br F-M SAND and gravel	0.0	
		1.5-2				Or Br SILT, little Fgravel, with cinders (fill)		
	2	2-3				Or Br SILT, trace F gravel	0.0	
4-7.5	3	4-6			12	Or Br clayey SILT, trace F gravel (refusal @ 7.5')	0.0	
	4	6-7.5					0.0	
						END OF BORING @ 7.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-17**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt/Subase		
	1	0.5-2.5			31	Lt br SILT, trace F gravel	0.3	**Groundwater not observed**
4-7.5	3	4-6			25	Or Br M SAND, little F gravel (dry) (refusal @ 7.5')	0.0	
						END OF BORING @ 7.5'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS · LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-18**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt/Subase		
	1	0.5-2			40	Dk Br M SAND, trace F gravel with cinders (fill)	0.3	
	2	2-3.25				Or Br SILT with cinders/ash (fill)	0.0	
4-8	3	4-6				Or Br clayey SILT, trace F gravel (wet @6.5')	0.4	Groundwater @ 6.5'
	4	6-7.5			42		0.4	
8-11.5	5	8-10				same as above (wet) (refusal @ 11.5')	0.6	
					25			
						END OF BORING @ 11.5'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

Grab groundwater sample collected w/ duplicate

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-19**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			46	Asphalt/Subase		Groundwater not observed
	1	0.5-2				Or Br SILT with cinders, glass, and plastic (fill)	0.3	
	2	2-4				Or Br SILT with cinders/ash (fill)	0.2	
4-8		4-4.5			36	Ash, cinders, glass, and plastic (fill)	0.9	
	3	4.5-6				Or Br Silt and F gravel with cinders, glass and plastic		
	4	6-7				Or Br SILT, some F gravel	0.0	
8-11.5	5	8-10			42	Or Br clayey SILT, trace F gravel (dry) (refusal @ 11.5')	0.3	
	6	10-11.5					0.0	
						END OF BORING @ 11.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-20**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt/Subase		
	1	0.5-2			24	Lt Br F-M SAND and SILT (moist)	0.0	**Groundwater not observed**
4-6	2	4-6			22	Lt Br clayey SILT with brick fragments (refusal @ 6')	0.2	
						END OF BORING @ 6'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-21**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			30	Asphalt/Subase		Groundwater not observed
	1	0.5-2.5				Lt Br F-M SAND, some silt, trace F gravel	1.1	
4-7		4-5			30	Lt Br F-M SAND, trace silt and F gravel		
		5-5.5				Lt Br clayey SILT		
	2	5.5-6.5				Lt Br F-M SAND, trace silt and F gravel (refusal @ 7')	3.0	
						END OF BORING @ 7'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS dtc LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-22**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			30	Asphalt/Subase		Groundwater not observed
		0.5-2				Rd/Or Br M-C SAND, some F-C gravel		
	1	2-2.5				Rd Br clayey SILT (dense)	0.0	
4-7	2	4-5			30	Rd Br clayey SILT, trace f gravel (dense) (refusal @ 7')	0.0	
	3	5.5-6.5					0.0	
						END OF BORING @ 7'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS / LAND STRUCTURES WATER — DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-23**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			24	Asphalt/Subase		Groundwater not observed
	1	0.5-2				Dk Br F-C SAND, little SILT, trace F gravel	0.0	
4-6	2	4-6			25	Rd Br clayey SILT, trace F gravel (refusal @ 6')	0.0	
						END OF BORING @ 6'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 7/8/09 ***Date Completed:*** 7/8/09	**BORING No. B-24**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, mid 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			24	Or br F-M SAND	0.0	**Groundwater not observed**
4-8	2	4-6				same as above	0.5	
	3	6-8			48		0.4	
8-12	4	8-10				same as above	0.3	
	5	10-12			48		0.6	
12-15	6	12-14				Or Br F-M SAND, little silt	1.7	
	7	14-15			35	Or Br F-M SILT (moist)	0.6	
15-17.5						Or Br F-M SAND and SILT (dry) (refusal @ 17.5')		
						END OF BORING @ 17.5'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
Installed temp well although temp well was dry

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-25**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** Logical Env. Solutions ***Geologist:*** Joy Klappholz		***Driller:*** Wayne ***D. Helper:*** Cindy	***Drill Rig:*** Geoprobe ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Topsoil/Grass		
	1	0.5-2			27	Or Br F-C SAND, some silt, with F-C gravel	0.0	Groundwater not observed
4-6	2	4-6			28	Or Br F SAND and SILT, trace F gravel and cobbles (refusal @ 6')	0.0	
						END OF BORING @ 6'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dte — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-26**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** Logical Env. Solutions ***Geologist:*** Joy Klappholz		***Driller:*** Wayne ***D. Helper:*** Cindy	***Drill Rig:*** Geoprobe ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			37	Topsoil/Grass		Groundwater not observed
	1	0.5-2				Or Br SILT	0.0	
	2	2-3				Or Br clayey SILT (dense) (refusal @ 4')	0.0	
						END OF BORING @ 4'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 7/7/09 Date Completed: 7/7/09	BORING No. B-27
	Project: DOT Route 4 Farmington Task 210 Location: Farmington, CT			Method of investigation: Geoprobe

Project No.: 03-273-03E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: sunny, low 70
P. Manager: Chris Koelle	Geologist: Joy Klappholz	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.33				Asphalt		
	1	0.33-2			45	Rd Br F SAND and SILT, trace F gravel (dense)	0.0	Groundwater not observed
	2	2-4					0.0	
4-8	3	4-6				Rd Br clayey SILT (moist) (dense) (refusal @ 8')	0.0	
	4	6-8			48		0.0	
						END OF BORING @ 8'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 7/7/09
Date Completed: 7/7/09

BORING No. B-28

Project: DOT Route 4 Farmington Task 210
Location: Farmington, CT

Method of investigation: Geoprobe

Project No.: 03-273-03E
P. Manager: Chris Koelle
Drilling Co.: Logical Env. Solutions
Geologist: Joy Klappholz
Driller: Wayne
D. Helper: Cindy
Drill Rig: Geoprobe
Weather: sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5			42	Asphalt Rd Br F SAND and SILT with cobbles (dense) (refusal @ 4')	0.0	Groundwater not observed
	1	0.5-2						
	2	2-3.5					1.8	
						END OF BORING @ 4'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-29**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt		
	1	0.5-2			30	Or Br F SAND and SILT, trace F gravel (refusal @ 4')	0.0	**Groundwater not observed**
						END OF BORING @ 4'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-30**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe

Project No.: 03-273-03E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** sunny, low 70
P. Manager: Chris Koelle	***Geologist:*** Joy Klappholz	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt		
	1	0.5-2.5			30	Or Br SILT, trace F-M gravel (moist)	0.0	**Groundwater not observed**
4-5	2	4-5			12	same as above (refusal @ 5')	4.1	
						END OF BORING @ 5'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. B-31**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Geoprobe
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** Logical Env. Solutions ***Geologist:*** Joy Klappholz		***Driller:*** Wayne ***D. Helper:*** Cindy	***Drill Rig:*** Geoprobe ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.33			24	Asphalt Dk Br F-M SAND and SILT, trace F gravel with		Groundwater not observed
		0.33-1						
	1	1-2					0.0	
4-8	2	4-6			48	Rd br clayey SILT, trace F gravel and cobbles (refusal @ 8')	0.0	
	3	6-8					0.0	
						END OF BORING @ 8'		

Sample Types:

S=Split Spoon: _____ T= Shelby Tube: _____

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. HA-1**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Hand Auger
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** ***Geologist:*** Ethan Stewart			***Drill Rig:*** Hand Auger ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2					24	Dark brown/red SILT with fine to medium sand, some gravel.	0.0	**Groundwater not observed**
						END OF HAND AUGER @ 2'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	BORING No. **HA-2**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Hand Auger
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** ***Geologist:*** Ethan Stewart			***Drill Rig:*** Hand Auger ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Sample Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2					24	Dark brown/red SILT with fine to medium sand, some gravel.	0.0	**Groundwater not observed**
						END OF HAND AUGER @ 2'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	Sheet 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. HA-3**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Hand Auger
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** ***Geologist:*** Ethan Stewart			***Drill Rig:*** Hand Auger ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2					24	Dark brown/red SILT with fine to medium sand, some gravel.	0.0	**Groundwater not observed**
						END OF HAND AUGER @ 2'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS / LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 7/7/09 ***Date Completed:*** 7/7/09	**BORING No. HA-4**
	Project: DOT Route 4 Farmington Task 210 ***Location:*** Farmington, CT			***Method of investigation:*** Hand Auger
Project No.: 03-273-03E ***P. Manager:*** Chris Koelle	***Drilling Co.:*** ***Geologist:*** Ethan Stewart			***Drill Rig:*** Hand Auger ***Weather:*** sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2					24	Dark brown/red SILT with fine to medium sand, some gravel.	0.0	**Groundwater not observed**
						END OF HAND AUGER @ 2'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 7/7/09
Date Completed: 7/7/09

BORING No. HA-5

Project: DOT Route 4 Farmington Task 210
Location: Farmington, CT

Method of investigation: Hand Auger

Project No.: 03-273-03E
P. Manager: Chris Koelle
Drilling Co.:
Geologist: Ethan Stewart

Drill Rig: Hand Auger
Weather: sunny, low 70

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2					24	Dark brown/red SILT with fine to medium sand, some gravel.	0.0	Groundwater not observed
						END OF HAND AUGER @ 2'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:

APPENDIX B

Soil and Groundwater Analytical Laboratory Reports

Report Date:
21-Jul-09 17:30

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Diversified Technology Consultants
2321 Whitney Ave., Hamden Center II
Hamden, CT 06518
Attn: Christopher Koelle

Project: CT DOT Rt 4 Corridor - Farmington, CT
Project 03-273-03E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA97414-02	B-8 (4-6)	Soil	07-Jul-09 13:00	08-Jul-09 15:45
SA97414-04	B-11 (4-6)	Soil	07-Jul-09 11:25	08-Jul-09 15:45
SA97414-06	B-20 (4-6)	Soil	07-Jul-09 11:05	08-Jul-09 15:45
SA97414-08	B-21 (4-6.5)	Soil	07-Jul-09 10:50	08-Jul-09 15:45
SA97414-10	B-22 (4-6)	Soil	07-Jul-09 09:45	08-Jul-09 15:45
SA97414-13	B-23 (4-6)	Soil	07-Jul-09 10:05	08-Jul-09 15:45
SA97414-15	B-25 (4-6)	Soil	07-Jul-09 10:35	08-Jul-09 15:45
SA97414-17	B-27 (4-6)	Soil	07-Jul-09 09:30	08-Jul-09 15:45
SA97414-20	B-28 (2-3.5)	Soil	07-Jul-09 09:05	08-Jul-09 15:45
SA97414-21	B-29 (0.5-2)	Soil	07-Jul-09 08:50	08-Jul-09 15:45
SA97414-23	B-30 (4-5)	Soil	07-Jul-09 08:40	08-Jul-09 15:45
SA97414-25	B-31 (4-6)	Soil	07-Jul-09 08:20	08-Jul-09 15:45
SA97414-27	HA-1	Soil	07-Jul-09 10:30	08-Jul-09 15:45
SA97414-28	HA-2	Soil	07-Jul-09 10:45	08-Jul-09 15:45
SA97414-29	HA-3	Soil	07-Jul-09 11:00	08-Jul-09 15:45
SA97414-30	HA-4	Soil	07-Jul-09 11:10	08-Jul-09 15:45
SA97414-31	HA-5	Soil	07-Jul-09 11:30	08-Jul-09 15:45
SA97414-32	Trip Blank	Methanol/Deionized Water	07-Jul-09 00:00	08-Jul-09 15:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 73 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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 or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 4.5 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 2.5 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 1312/8081A

Duplicates:

9071282-DUP1 *Source: SA97414-30*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SW846 1312/8081A

Samples:

S906802-CCV1

The analyte result for the primary column was outside of the acceptance limits. The result from the confirmation column was used. The analyte was not detected in the associated samples.

Endrin aldehyde

SA97414-30 *HA-4*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SA97414-31 *HA-5*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SW846 6010B

Duplicates:

9070595-DUP1 *Source: SA97414-21*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Arsenic
Chromium
Lead

SW846 7471A

Spikes:

9070596-MSD1 *Source: SA97414-23*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Mercury

Duplicates:

9070596-DUP1 *Source: SA97414-21*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Mercury

SW846 8081A

SW846 8081A

Samples:

S906462-CCV2

The analyte result for the primary column was outside of the acceptance limits. The result from the confirmation column was used. The analyte was not detected in the associated samples.

Alachlor

S906472-CCV1

The analyte result for the primary column was outside of the acceptance limits. The result from the confirmation column was used. The analyte was not detected in the associated samples.

Alachlor

SW846 8260B

Laboratory Control Samples:

9070665-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2-Hexanone (MBK)
Ethyl tert-butyl ether
Tert-amyl methyl ether

9070665-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2-Hexanone (MBK)
Ethyl tert-butyl ether
Tert-amyl methyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Naphthalene

Samples:

S906552-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Ethyl tert-butyl ether
Tert-amyl methyl ether

This affected the following samples:

B-11 (4-6)
B-20 (4-6)
B-21 (4-6.5)
B-22 (4-6)
B-23 (4-6)
B-25 (4-6)
B-27 (4-6)
B-28 (2-3.5)
B-29 (0.5-2)
B-30 (4-5)
B-8 (4-6)
Trip Blank

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (4-6) SA97414-02	03-273-03E	Soil	07-Jul-09 13:00	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds						Initial weight: 5.66 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	60.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	60.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	60.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	60.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	60.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	X

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
B-8 (4-6) SA97414-02	03-273-03E	Soil	07-Jul-09 13:00	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.66 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	60.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	120	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2410	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*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		mg/kg dry	31.1	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	31.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	31.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*111*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (4-6) SA97414-02	03-273-03E	Soil	07-Jul-09 13:00	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	85.5		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (4-6) SA97414-04	03-273-03E	Soil	07-Jul-09 11:25	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 6.05 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	52.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

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
B-11 (4-6) SA97414-04	03-273-03E	Soil	07-Jul-09 11:25	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.05 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	104	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2090	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.9	1	SW846 8082	09-Jul-09	10-Jul-09	9070525	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.9	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.9	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.9	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (4-6) SA97414-04	03-273-03E	Soil	07-Jul-09 11:25	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.7	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*110*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	89.4		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-20 (4-6) SA97414-06	03-273-03E	Soil	07-Jul-09 11:05	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 5.52 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	69.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	35.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	69.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.0	1	"	"	"	"	X

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
B-20 (4-6) SA97414-06	03-273-03E	Soil	07-Jul-09 11:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.52 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	69.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	140	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2800	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	31.7	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	31.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	31.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*105*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-20 (4-6) SA97414-06	03-273-03E	Soil	07-Jul-09 11:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	79.5		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-21 (4-6.5) SA97414-08	03-273-03E	Soil	07-Jul-09 10:50	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 4.18 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	76.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	38.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	76.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	76.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	X

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
B-21 (4-6.5) SA97414-08	03-273-03E	Soil	07-Jul-09 10:50	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.18 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	76.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	76.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	152	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3050	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	30.1	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-21 (4-6.5) SA97414-08	03-273-03E	Soil	07-Jul-09 10:50	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	87.0		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-22 (4-6) SA97414-10	03-273-03E	Soil	07-Jul-09 09:45	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds						Initial weight: 5.79 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	53.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	53.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-22 (4-6) SA97414-10	03-273-03E	Soil	07-Jul-09 09:45	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.79 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	53.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	107	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2140	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	148	1	SW846 8270C	14-Jul-09	15-Jul-09	9070854	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	148	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	148	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	148	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	148	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	148	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	148	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	148	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	148	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	148	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	148	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	148	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	148	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	148	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-22 (4-6) SA97414-10	03-273-03E	Soil	07-Jul-09 09:45	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3550B											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	148	1	SW846 8270C	14-Jul-09	15-Jul-09	9070854	X
91-20-3	Naphthalene	BRL		µg/kg dry	148	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	148	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	148	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*85*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*74*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.5	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*102*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	13.0		mg/kg dry	1.63	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
General Chemistry Parameters											
	% Solids	90.0		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-23 (4-6) SA97414-13	03-273-03E	Soil	07-Jul-09 10:05	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 6.06 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	51.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-23 (4-6) SA97414-13	03-273-03E	Soil	07-Jul-09 10:05	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.06 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	103	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2050	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	27.9	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*110*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-23 (4-6) SA97414-13	03-273-03E	Soil	07-Jul-09 10:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	90.1		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-25 (4-6) SA97414-15	03-273-03E	Soil	07-Jul-09 10:35	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 8.65 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.3	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	42.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.6	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	42.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	21.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.6	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.6	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.6	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.6	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	42.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	42.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	42.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.3	1	"	"	"	"	X

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
B-25 (4-6) SA97414-15	03-273-03E	Soil	07-Jul-09 10:35	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 8.65 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.3	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.6	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	42.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	42.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	85.8	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	21.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1720	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	30.4	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*85*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-25 (4-6) SA97414-15	03-273-03E	Soil	07-Jul-09 10:35	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	84.9		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-27 (4-6) SA97414-17	03-273-03E	Soil	07-Jul-09 09:30	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 5.92 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.7	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	56.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	56.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	X

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
B-27 (4-6) SA97414-17	03-273-03E	Soil	07-Jul-09 09:30	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.92 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	113	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2260	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*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		mg/kg dry	29.9	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*93*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-27 (4-6) SA97414-17	03-273-03E	Soil	07-Jul-09 09:30	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.69	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.69	1	"	"	"	"	X
7440-39-3	Barium	108		mg/kg dry	1.13	1	"	"	"	"	X
7440-43-9	Cadmium	1.27		mg/kg dry	0.563	1	"	"	"	"	X
7440-47-3	Chromium	31.0		mg/kg dry	1.13	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0307	1	SW846 7471A	11-Jul-09	15-Jul-09	9070596	X
7439-92-1	Lead	11.7		mg/kg dry	1.69	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7782-49-2	Selenium	BRL		mg/kg dry	1.69	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.6		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-28 (2-3.5) SA97414-20	03-273-03E	Soil	07-Jul-09 09:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 6.18 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	53.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	53.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	X

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
B-28 (2-3.5) SA97414-20	03-273-03E	Soil	07-Jul-09 09:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.18 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	53.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	107	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2140	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.6	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*123*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-28 (2-3.5) SA97414-20	03-273-03E	Soil	07-Jul-09 09:05	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	12.2		mg/kg dry	1.71	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
General Chemistry Parameters											
	% Solids	87.4		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-29 (0.5-2) SA97414-21	03-273-03E	Soil	07-Jul-09 08:50	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 5.38 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.1	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	61.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	61.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.1	1	"	"	"	"	X

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
B-29 (0.5-2) SA97414-21	03-273-03E	Soil	07-Jul-09 08:50	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.38 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.1	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	122	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2450	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*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		mg/kg dry	29.5	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Unidentified	110		mg/kg dry	29.5	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	110		mg/kg dry	29.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	110		mg/kg dry	29.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*125*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-29 (0.5-2) SA97414-21	03-273-03E	Soil	07-Jul-09 08:50	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.60	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7440-38-2	Arsenic	BRL		mg/kg dry	1.60	1	"	"	"	"	X
7440-39-3	Barium	59.6		mg/kg dry	1.07	1	"	"	"	"	X
7440-43-9	Cadmium	1.04		mg/kg dry	0.534	1	"	"	"	"	X
7440-47-3	Chromium	40.2		mg/kg dry	1.07	1	"	"	"	"	X
7439-97-6	Mercury	0.0523		mg/kg dry	0.0325	1	SW846 7471A	11-Jul-09	15-Jul-09	9070596	X
7439-92-1	Lead	71.2		mg/kg dry	1.60	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7782-49-2	Selenium	BRL		mg/kg dry	1.60	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	16-Jul-09	16-Jul-09	9071126	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	17-Jul-09	17-Jul-09	9071174	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	86.8		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-30 (4-5) SA97414-23	03-273-03E	Soil	07-Jul-09 08:40	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Volatile Organic Compounds					Initial weight: 6.12 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.7	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg dry	57.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	X

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
B-30 (4-5) SA97414-23	03-273-03E	Soil	07-Jul-09 08:40	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.12 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	57.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	114	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2280	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	30.7	1	+CT ETPH	14-Jul-09	15-Jul-09	9070845	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*114*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-30 (4-5) SA97414-23	03-273-03E	Soil	07-Jul-09 08:40	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.52	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7440-38-2	Arsenic	2.56		mg/kg dry	1.52	1	"	"	"	"	X
7440-39-3	Barium	38.3		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	1.12		mg/kg dry	0.508	1	"	"	"	"	X
7440-47-3	Chromium	20.1		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0305	1	SW846 7471A	11-Jul-09	15-Jul-09	9070596	X
7439-92-1	Lead	13.6		mg/kg dry	1.52	1	SW846 6010B	13-Jul-09	14-Jul-09	9070595	X
7782-49-2	Selenium	BRL		mg/kg dry	1.52	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	84.8		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-31 (4-6) SA97414-25	03-273-03E	Soil	07-Jul-09 08:20	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	08-Jul-09	08-Jul-09	9070506	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	4.39		mg/kg dry	1.51	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
General Chemistry Parameters											
	% Solids	91.0		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-1 SA97414-27	03-273-03E	Soil	07-Jul-09 10:30	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	3.10	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.10	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.10	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.10	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.10	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.10	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.10	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.10	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.10	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.10	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.96	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.96	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.96	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.96	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.96	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.96	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.96	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.96	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.10	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.10	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	62.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.4	1	"	"	"	"	X
2303-16-4	Diallate	BRL		µg/kg dry	6.21	1	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	3.10	1	"	"	"	"	
465-73-6	Isodrin	BRL		µg/kg dry	6.21	1	"	"	"	"	
510-15-6	Chlorobenzilate	BRL		µg/kg dry	6.21	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	13-Jul-09	13-Jul-09	9070734	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	2250	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	2250	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	2250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	7.86		mg/kg dry	1.76	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
7439-92-1	Lead	69.1		mg/kg dry	1.76	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	16-Jul-09	16-Jul-09	9071126	

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
HA-1 SA97414-27	03-273-03E	Soil	07-Jul-09 10:30	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	17-Jul-09	17-Jul-09	9071174	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	78.7		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-2 SA97414-28	03-273-03E	Soil	07-Jul-09 10:45	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	2.89	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.89	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.89	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.89	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.89	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.89	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.89	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.89	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.89	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.89	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.63	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.63	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.63	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.63	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.63	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.63	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.63	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.63	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.89	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.89	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	57.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.6	1	"	"	"	"	X
2303-16-4	Diallate	BRL		µg/kg dry	5.79	1	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	2.89	1	"	"	"	"	
465-73-6	Isodrin	BRL		µg/kg dry	5.79	1	"	"	"	"	
510-15-6	Chlorobenzilate	BRL		µg/kg dry	5.79	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	13-Jul-09	13-Jul-09	9070734	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	2250	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	2250	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	2250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	4.35		mg/kg dry	1.59	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
7439-92-1	Lead	24.6		mg/kg dry	1.59	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	85.3		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

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
HA-3 SA97414-29	03-273-03E	Soil	07-Jul-09 11:00	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	3.12	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.12	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.12	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.12	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.12	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.12	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.12	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.12	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.12	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.12	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.00	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.00	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.00	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.00	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.00	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.00	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.00	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.00	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.12	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.12	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	62.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.5	1	"	"	"	"	X
2303-16-4	Diallate	BRL		µg/kg dry	6.25	1	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	3.12	1	"	"	"	"	
465-73-6	Isodrin	BRL		µg/kg dry	6.25	1	"	"	"	"	
510-15-6	Chlorobenzilate	BRL		µg/kg dry	6.25	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	13-Jul-09	13-Jul-09	9070734	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	2250	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	2250	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	2250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	3.54		mg/kg dry	1.80	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
7439-92-1	Lead	25.1		mg/kg dry	1.80	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	78.9		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

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
HA-4 SA97414-30	03-273-03E	Soil	07-Jul-09 11:10	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	16-Jul-09	16-Jul-09	9071140	
Semivolatile Organic Compounds by GC											
SPLP Pesticides by SW846 1312/8081A											
Prepared by method SW846 3535											
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 1312/8081A	20-Jul-09	20-Jul-09	9071282	
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
72-20-8	Endrin	BRL		µg/l	0.002	1	"	"	"	"	
33213-65-9	Endosulfan II	BRL		µg/l	0.002	1	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.002	1	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
72-43-5	Methoxychlor	BRL		µg/l	0.002	1	"	"	"	"	
53494-70-5	Endrin ketone	BRL		µg/l	0.002	1	"	"	"	"	
7421-93-4	Endrin aldehyde	BRL		µg/l	0.002	1	"	"	"	"	
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	
8001-35-2	Toxaphene	BRL		µg/l	0.029	1	"	"	"	"	
57-74-9	Chlordane	BRL		µg/l	0.006	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*		*30-150 %*			"	"	"	"	
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	3.10	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.10	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.10	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.10	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.10	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.10	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.10	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.10	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.10	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	7.21		µg/kg dry	3.10	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.97	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.97	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.97	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.97	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.97	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.97	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.97	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.97	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.10	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.10	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	62.1	1	"	"	"	"	X

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
HA-4 SA97414-30	03-273-03E	Soil	07-Jul-09 11:10	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
57-74-9	Chlordane	BRL		µg/kg dry	12.4	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
2303-16-4	Diallate	BRL		µg/kg dry	6.21	1	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	3.10	1	"	"	"	"	
465-73-6	Isodrin	BRL		µg/kg dry	6.21	1	"	"	"	"	
510-15-6	Chlorobenzilate	BRL		µg/kg dry	6.21	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	13-Jul-09	13-Jul-09	9070734	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	2250	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	2250	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	2250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	4.09		mg/kg dry	1.61	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
7439-92-1	Lead	20.1		mg/kg dry	1.61	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	80.0		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
HA-5 SA97414-31	03-273-03E	Soil	07-Jul-09 11:30	08-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	16-Jul-09	16-Jul-09	9071140	
Semivolatile Organic Compounds by GC											
SPLP Pesticides by SW846 1312/8081A											
Prepared by method SW846 3535											
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 1312/8081A	20-Jul-09	20-Jul-09	9071282	
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
72-20-8	Endrin	BRL		µg/l	0.002	1	"	"	"	"	
33213-65-9	Endosulfan II	BRL		µg/l	0.002	1	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.002	1	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.002	1	"	"	"	"	
72-43-5	Methoxychlor	BRL		µg/l	0.002	1	"	"	"	"	
53494-70-5	Endrin ketone	BRL		µg/l	0.002	1	"	"	"	"	
7421-93-4	Endrin aldehyde	BRL		µg/l	0.002	1	"	"	"	"	
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	
8001-35-2	Toxaphene	BRL		µg/l	0.029	1	"	"	"	"	
57-74-9	Chlordane	BRL		µg/l	0.006	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	2.82	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.82	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.82	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.82	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.82	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.82	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.82	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.82	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.82	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.82	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.51	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.51	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.51	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.51	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	5.14		µg/kg dry	4.51	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.51	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.51	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.51	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.82	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.82	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	56.4	1	"	"	"	"	X

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
HA-5 SA97414-31	03-273-03E	Soil	07-Jul-09 11:30	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
57-74-9	Chlordane	BRL		µg/kg dry	11.3	1	SW846 8081A	09-Jul-09	11-Jul-09	9070528	X
2303-16-4	Diallate	BRL		µg/kg dry	5.64	1	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	2.82	1	"	"	"	"	
465-73-6	Isodrin	BRL		µg/kg dry	5.64	1	"	"	"	"	
510-15-6	Chlorobenzilate	BRL		µg/kg dry	5.64	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	13-Jul-09	14-Jul-09	9070734	X
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	2250	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	2250	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	2250	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	3.01		mg/kg dry	1.64	1	SW846 6010B	14-Jul-09	14-Jul-09	9070754	X
7439-92-1	Lead	38.5		mg/kg dry	1.64	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	86.6		%		1	SM2540 G Mod.	09-Jul-09	09-Jul-09	9070588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SA97414-32	03-273-03E	Methanol/Deionized Water	07-Jul-09 00:00	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X

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
Trip Blank SA97414-32	03-273-03E	Methanol/Deionized Water	07-Jul-09 00:00	08-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	10-Jul-09	11-Jul-09	9070665	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*			"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070665 - SW846 5035A Soil (low level)										
Blank (9070665-BLK1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070665 - SW846 5035A Soil (low level)										
Blank (9070665-BLK1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*44.7*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.1*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: Dibromofluoromethane	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (9070665-BS1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.1		µg/kg wet		20.0		125	70-130		
Acetone	11.6		µg/kg wet		20.0		58	40-136		
Acrylonitrile	19.0		µg/kg wet		20.0		95	70-130		
Benzene	19.9		µg/kg wet		20.0		99	70-130		
Bromobenzene	20.0		µg/kg wet		20.0		100	70-130		
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromoform	23.0		µg/kg wet		20.0		115	70-130		
Bromomethane	24.4		µg/kg wet		20.0		122	61-151		
2-Butanone (MEK)	17.6		µg/kg wet		20.0		88	61.5-132		
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
tert-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Carbon disulfide	20.3		µg/kg wet		20.0		102	70-130		
Carbon tetrachloride	23.0		µg/kg wet		20.0		115	70-130		
Chlorobenzene	20.9		µg/kg wet		20.0		104	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070665 - SW846 5035A Soil (low level)										
LCS (9070665-BS1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
Chloroethane	20.2		µg/kg wet		20.0		101	66-130		
Chloroform	21.4		µg/kg wet		20.0		107	70-130		
Chloromethane	18.9		µg/kg wet		20.0		95	70-130		
2-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	17.3		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	20.8		µg/kg wet		20.0		104	64.6-130		
1,2-Dibromoethane (EDB)	19.6		µg/kg wet		20.0		98	70-130		
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	21.5		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	20.6		µg/kg wet		20.0		103	51.9-130		
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	19.5		µg/kg wet		20.0		97	70-130		
2,2-Dichloropropane	14.8		µg/kg wet		20.0		74	70-130		
1,1-Dichloropropene	21.1		µg/kg wet		20.0		106	70-130		
cis-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
trans-1,3-Dichloropropene	16.3		µg/kg wet		20.0		81	70-130		
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	20.7		µg/kg wet		20.0		103	70-133		
2-Hexanone (MBK)	13.8	QC2	µg/kg wet		20.0		69	70-130		
Isopropylbenzene	17.4		µg/kg wet		20.0		87	70-130		
4-Isopropyltoluene	19.9		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	15.8		µg/kg wet		20.0		79	70-130		
4-Methyl-2-pentanone (MIBK)	13.4		µg/kg wet		20.0		67	50.3-133		
Methylene chloride	20.9		µg/kg wet		20.0		105	70-130		
Naphthalene	14.3		µg/kg wet		20.0		72	70-130		
n-Propylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Styrene	18.4		µg/kg wet		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	22.5		µg/kg wet		20.0		113	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	19.9		µg/kg wet		20.0		100	70-130		
Toluene	19.3		µg/kg wet		20.0		97	70-130		
1,2,3-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130		
1,1,1-Trichloroethane	20.3		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130		
Trichloroethene	20.7		µg/kg wet		20.0		104	70-130		
Trichlorofluoromethane (Freon 11)	23.5		µg/kg wet		20.0		118	70-147		
1,2,3-Trichloropropane	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070665 - SW846 5035A Soil (low level)										
LCS (9070665-BS1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
Vinyl chloride	22.6		µg/kg wet		20.0		113	70-130		
m,p-Xylene	40.8		µg/kg wet		40.0		102	70-130		
o-Xylene	20.3		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	16.6		µg/kg wet		20.0		83	70-130		
Ethyl ether	19.9		µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	13.0	QC2	µg/kg wet		20.0		65	70-130		
Ethyl tert-butyl ether	13.0	QC2	µg/kg wet		20.0		65	70-130		
Di-isopropyl ether	16.7		µg/kg wet		20.0		83	70-130		
Tert-Butanol / butyl alcohol	156		µg/kg wet		200		78	70-130		
1,4-Dioxane	151		µg/kg wet		200		75	60-146		
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		86	70-130		
Ethanol	406		µg/kg wet		400		102	70-130		
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*52.0*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (9070665-BSD1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.6		µg/kg wet		20.0		123	70-130	2	25
Acetone	10.1		µg/kg wet		20.0		50	40-136	14	50
Acrylonitrile	19.4		µg/kg wet		20.0		97	70-130	2	25
Benzene	19.5		µg/kg wet		20.0		98	70-130	2	25
Bromobenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130	5	25
Bromodichloromethane	21.3		µg/kg wet		20.0		106	70-130	1	25
Bromoform	22.6		µg/kg wet		20.0		113	70-130	2	25
Bromomethane	22.8		µg/kg wet		20.0		114	61-151	7	50
2-Butanone (MEK)	17.2		µg/kg wet		20.0		86	61.5-132	2	50
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130	3	25
sec-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130	2	25
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
Carbon disulfide	20.7		µg/kg wet		20.0		103	70-130	2	25
Carbon tetrachloride	22.8		µg/kg wet		20.0		114	70-130	0.7	25
Chlorobenzene	21.5		µg/kg wet		20.0		108	70-130	3	25
Chloroethane	20.1		µg/kg wet		20.0		100	66-130	0.8	50
Chloroform	21.3		µg/kg wet		20.0		106	70-130	0.8	25
Chloromethane	18.2		µg/kg wet		20.0		91	70-130	4	25
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	0.5	25
4-Chlorotoluene	20.1		µg/kg wet		20.0		101	70-130	3	25
1,2-Dibromo-3-chloropropane	15.2		µg/kg wet		20.0		76	70-130	13	25
Dibromochloromethane	19.1		µg/kg wet		20.0		95	64.6-130	8	50
1,2-Dibromoethane (EDB)	18.6		µg/kg wet		20.0		93	70-130	5	25
Dibromomethane	20.3		µg/kg wet		20.0		102	70-130	0.2	25
1,2-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	0.8	25
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	4	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	20.1		µg/kg wet		20.0		100	51.9-130	2	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	0.9	25
1,2-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	2	25
1,1-Dichloroethene	21.7		µg/kg wet		20.0		109	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070665 - SW846 5035A Soil (low level)										
LCS Dup (9070665-BSD1)										
Prepared: 10-Jul-09 Analyzed: 11-Jul-09										
cis-1,2-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130	1	25
trans-1,2-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	2	25
1,2-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130	3	25
1,3-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	0.3	25
2,2-Dichloropropane	15.0		µg/kg wet		20.0		75	70-130	1	25
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	2	25
cis-1,3-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	3	25
trans-1,3-Dichloropropene	15.8		µg/kg wet		20.0		79	70-130	3	25
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130	0.6	25
Hexachlorobutadiene	19.9		µg/kg wet		20.0		99	70-133	4	50
2-Hexanone (MBK)	13.7	QC2	µg/kg wet		20.0		69	70-130	0.7	25
Isopropylbenzene	17.5		µg/kg wet		20.0		87	70-130	0.5	25
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130	3	25
Methyl tert-butyl ether	15.4		µg/kg wet		20.0		77	70-130	3	25
4-Methyl-2-pentanone (MIBK)	14.0		µg/kg wet		20.0		70	50.3-133	4	50
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130	1	25
Naphthalene	13.3	QM9	µg/kg wet		20.0		67	70-130	7	25
n-Propylbenzene	20.5		µg/kg wet		20.0		103	70-130	3	25
Styrene	19.3		µg/kg wet		20.0		97	70-130	5	25
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130	2	25
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130	3	25
Tetrachloroethene	20.3		µg/kg wet		20.0		102	70-130	2	25
Toluene	19.2		µg/kg wet		20.0		96	70-130	0.9	25
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	2	25
1,2,4-Trichlorobenzene	16.4		µg/kg wet		20.0		82	70-130	3	25
1,3,5-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	0.9	25
1,1,1-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130	0.3	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130	3	25
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130	4	25
Trichlorofluoromethane (Freon 11)	23.5		µg/kg wet		20.0		117	70-147	0.2	50
1,2,3-Trichloropropane	20.4		µg/kg wet		20.0		102	70-130	6	25
1,2,4-Trimethylbenzene	19.3		µg/kg wet		20.0		96	70-130	3	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Vinyl chloride	21.2		µg/kg wet		20.0		106	70-130	6	25
m,p-Xylene	41.3		µg/kg wet		40.0		103	70-130	1	25
o-Xylene	20.6		µg/kg wet		20.0		103	70-130	1	25
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130	0.7	25
Ethyl ether	19.3		µg/kg wet		20.0		96	70-130	3	50
Tert-amyl methyl ether	10.1	QC2	µg/kg wet		20.0		50	70-130	25	25
Ethyl tert-butyl ether	12.8	QC2	µg/kg wet		20.0		64	70-130	2	25
Di-isopropyl ether	16.1		µg/kg wet		20.0		81	70-130	3	25
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		78	70-130	0.5	25
1,4-Dioxane	184		µg/kg wet		200		92	60-146	20	25
trans-1,4-Dichloro-2-butene	17.1		µg/kg wet		20.0		85	70-130	1	25
Ethanol	402		µg/kg wet		400		100	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.8*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070854 - SW846 3550B										
Blank (9070854-BLK1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Acenaphthene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
1-Methylnaphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Naphthalene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Surrogate: 2-Fluorobiphenyl	*2630*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: Terphenyl-d14	*2120*		µg/kg wet		*3330*		*63*	*30-130*		
LCS (9070854-BS1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Acenaphthene	2720		µg/kg wet	66.5	3330		82	40-140		
Acenaphthylene	2520		µg/kg wet	66.5	3330		76	40-140		
Anthracene	2560		µg/kg wet	66.5	3330		77	40-140		
Benzo (a) anthracene	2690		µg/kg wet	66.5	3330		81	40-140		
Benzo (a) pyrene	2590		µg/kg wet	66.5	3330		78	40-140		
Benzo (b) fluoranthene	2570		µg/kg wet	66.5	3330		77	40-140		
Benzo (g,h,i) perylene	2920		µg/kg wet	66.5	3330		87	40-140		
Benzo (k) fluoranthene	2490		µg/kg wet	66.5	3330		75	40-140		
Chrysene	2700		µg/kg wet	66.5	3330		81	40-140		
Dibenzo (a,h) anthracene	2760		µg/kg wet	66.5	3330		83	40-140		
Fluoranthene	2510		µg/kg wet	66.5	3330		75	40-140		
Fluorene	2500		µg/kg wet	66.5	3330		75	40-140		
Indeno (1,2,3-cd) pyrene	2880		µg/kg wet	66.5	3330		86	40-140		
1-Methylnaphthalene	2520		µg/kg wet	66.5	3330		76	40-140		
2-Methylnaphthalene	2700		µg/kg wet	66.5	3330		81	40-140		
Naphthalene	2530		µg/kg wet	66.5	3330		76	40-140		
Phenanthrene	2430		µg/kg wet	66.5	3330		73	40-140		
Pyrene	2660		µg/kg wet	66.5	3330		80	40-140		
Surrogate: 2-Fluorobiphenyl	*2410*		µg/kg wet		*3330*		*72*	*30-130*		
Surrogate: Terphenyl-d14	*2470*		µg/kg wet		*3330*		*74*	*30-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070525 - SW846 3550B										
Blank (9070525-BLK1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (9070525-BS1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
Aroclor-1016	196		µg/kg wet	20.0	250		78	50-140		
Aroclor-1016 [2C]	200		µg/kg wet	20.0	250		80	50-140		
Aroclor-1260	219		µg/kg wet	20.0	250		88	50-140		
Aroclor-1260 [2C]	216		µg/kg wet	20.0	250		86	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.1*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg wet		*20.0*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg wet		*20.0*		*112*	*30-150*		
LCS Dup (9070525-BSD1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
Aroclor-1016	178		µg/kg wet	20.0	250		71	50-140	10	30
Aroclor-1016 [2C]	205		µg/kg wet	20.0	250		82	50-140	2	30
Aroclor-1260	215		µg/kg wet	20.0	250		86	50-140	2	30
Aroclor-1260 [2C]	213		µg/kg wet	20.0	250		85	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.7*		µg/kg wet		*20.0*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Batch 9070528 - SW846 3550B										
Blank (9070528-BLK1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
alpha-BHC	BRL		µg/kg wet	2.50						
alpha-BHC [2C]	BRL		µg/kg wet	2.50						
beta-BHC	BRL		µg/kg wet	2.50						
beta-BHC [2C]	BRL		µg/kg wet	2.50						
delta-BHC	BRL		µg/kg wet	2.50						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070528 - SW846 3550B										
Blank (9070528-BLK1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
delta-BHC [2C]	BRL		µg/kg wet	2.50						
gamma-BHC (Lindane)	BRL		µg/kg wet	2.50						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	2.50						
Heptachlor	BRL		µg/kg wet	2.50						
Heptachlor [2C]	BRL		µg/kg wet	2.50						
Aldrin	BRL		µg/kg wet	2.50						
Aldrin [2C]	BRL		µg/kg wet	2.50						
Heptachlor epoxide	BRL		µg/kg wet	2.50						
Heptachlor epoxide [2C]	BRL		µg/kg wet	2.50						
Endosulfan I	BRL		µg/kg wet	2.50						
Endosulfan I [2C]	BRL		µg/kg wet	2.50						
Dieldrin	BRL		µg/kg wet	2.50						
Dieldrin [2C]	BRL		µg/kg wet	2.50						
4,4'-DDE (p,p')	BRL		µg/kg wet	2.50						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	2.50						
Endrin	BRL		µg/kg wet	4.00						
Endrin [2C]	BRL		µg/kg wet	4.00						
Endosulfan II	BRL		µg/kg wet	4.00						
Endosulfan II [2C]	BRL		µg/kg wet	4.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	4.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	4.00						
Endosulfan sulfate	BRL		µg/kg wet	4.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	4.00						
4,4'-DDT (p,p')	BRL		µg/kg wet	4.00						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	4.00						
Methoxychlor	BRL		µg/kg wet	4.00						
Methoxychlor [2C]	BRL		µg/kg wet	4.00						
Endrin ketone	BRL		µg/kg wet	4.00						
Endrin ketone [2C]	BRL		µg/kg wet	4.00						
Endrin aldehyde	BRL		µg/kg wet	4.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	4.00						
alpha-Chlordane	BRL		µg/kg wet	2.50						
alpha-Chlordane [2C]	BRL		µg/kg wet	2.50						
gamma-Chlordane	BRL		µg/kg wet	2.50						
gamma-Chlordane [2C]	BRL		µg/kg wet	2.50						
Toxaphene	BRL		µg/kg wet	50.0						
Toxaphene [2C]	BRL		µg/kg wet	50.0						
Chlordane	BRL		µg/kg wet	10.0						
Chlordane [2C]	BRL		µg/kg wet	10.0						
Alachlor	BRL		µg/kg wet	2.50						
Alachlor [2C]	BRL		µg/kg wet	2.50						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.45*		µg/kg wet		*10.0*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.01*		µg/kg wet		*10.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.46*		µg/kg wet		*10.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*4.90*		µg/kg wet		*10.0*		*49*	*30-150*		
LCS (9070528-BS1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
alpha-BHC	15.4		µg/kg wet	2.50	25.0		62	40-140		
alpha-BHC [2C]	16.6		µg/kg wet	2.50	25.0		67	40-140		
beta-BHC	17.1		µg/kg wet	2.50	25.0		68	40-140		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070528 - SW846 3550B										
LCS (9070528-BS1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
beta-BHC [2C]	16.3		µg/kg wet	2.50	25.0		65	40-140		
delta-BHC	15.8		µg/kg wet	2.50	25.0		63	40-140		
delta-BHC [2C]	16.3		µg/kg wet	2.50	25.0		65	40-140		
gamma-BHC (Lindane)	16.4		µg/kg wet	2.50	25.0		66	50-120		
gamma-BHC (Lindane) [2C]	16.6		µg/kg wet	2.50	25.0		66	50-120		
Heptachlor	16.6		µg/kg wet	2.50	25.0		66	40-140		
Heptachlor [2C]	16.6		µg/kg wet	2.50	25.0		66	40-140		
Aldrin	16.0		µg/kg wet	2.50	25.0		64	40-140		
Aldrin [2C]	15.6		µg/kg wet	2.50	25.0		62	40-140		
Heptachlor epoxide	16.6		µg/kg wet	2.50	25.0		66	50-150		
Heptachlor epoxide [2C]	16.3		µg/kg wet	2.50	25.0		65	50-150		
Endosulfan I	15.0		µg/kg wet	2.50	25.0		60	40-140		
Endosulfan I [2C]	15.3		µg/kg wet	2.50	25.0		61	40-140		
Dieldrin	15.9		µg/kg wet	2.50	25.0		64	30-130		
Dieldrin [2C]	15.5		µg/kg wet	2.50	25.0		62	30-130		
4,4'-DDE (p,p')	15.7		µg/kg wet	2.50	25.0		63	50-150		
4,4'-DDE (p,p') [2C]	15.8		µg/kg wet	2.50	25.0		63	50-150		
Endrin	15.1		µg/kg wet	4.00	25.0		60	50-120		
Endrin [2C]	15.1		µg/kg wet	4.00	25.0		60	50-120		
Endosulfan II	16.0		µg/kg wet	4.00	25.0		64	40-140		
Endosulfan II [2C]	15.3		µg/kg wet	4.00	25.0		61	40-140		
4,4'-DDD (p,p')	16.1		µg/kg wet	4.00	25.0		64	40-140		
4,4'-DDD (p,p') [2C]	13.6		µg/kg wet	4.00	25.0		54	40-140		
Endosulfan sulfate	13.7		µg/kg wet	4.00	25.0		55	50-120		
Endosulfan sulfate [2C]	13.6		µg/kg wet	4.00	25.0		55	50-120		
4,4'-DDT (p,p')	16.5		µg/kg wet	4.00	25.0		66	40-140		
4,4'-DDT (p,p') [2C]	15.8		µg/kg wet	4.00	25.0		63	40-140		
Methoxychlor	13.5		µg/kg wet	4.00	25.0		54	40-140		
Methoxychlor [2C]	13.9		µg/kg wet	4.00	25.0		56	40-140		
Endrin ketone	16.2		µg/kg wet	4.00	25.0		65	40-140		
Endrin ketone [2C]	15.1		µg/kg wet	4.00	25.0		60	40-140		
Endrin aldehyde	16.1		µg/kg wet	4.00	25.0		64	40-140		
Endrin aldehyde [2C]	14.5		µg/kg wet	4.00	25.0		58	40-140		
alpha-Chlordane	15.3		µg/kg wet	2.50	25.0		61	40-140		
alpha-Chlordane [2C]	15.9		µg/kg wet	2.50	25.0		64	40-140		
gamma-Chlordane	14.5		µg/kg wet	2.50	25.0		58	30-130		
gamma-Chlordane [2C]	16.2		µg/kg wet	2.50	25.0		65	30-130		
Alachlor	17.1		µg/kg wet	2.50	25.0		68	40-140		
Alachlor [2C]	14.0		µg/kg wet	2.50	25.0		56	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.55*		µg/kg wet		*10.0*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.20*		µg/kg wet		*10.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.37*		µg/kg wet		*10.0*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*4.93*		µg/kg wet		*10.0*		*49*	*30-150*		
LCS Dup (9070528-BSD1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
alpha-BHC	16.7		µg/kg wet	2.50	25.0		67	40-140	8	30
alpha-BHC [2C]	16.7		µg/kg wet	2.50	25.0		67	40-140	0.1	30
beta-BHC	17.7		µg/kg wet	2.50	25.0		71	40-140	3	30
beta-BHC [2C]	16.6		µg/kg wet	2.50	25.0		66	40-140	2	30
delta-BHC	17.1		µg/kg wet	2.50	25.0		68	40-140	8	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070528 - SW846 3550B										
LCS Dup (9070528-BSD1)										
Prepared: 09-Jul-09 Analyzed: 10-Jul-09										
delta-BHC [2C]	16.5		µg/kg wet	2.50	25.0		66	40-140	0.9	30
gamma-BHC (Lindane)	17.5		µg/kg wet	2.50	25.0		70	50-120	6	30
gamma-BHC (Lindane) [2C]	16.7		µg/kg wet	2.50	25.0		67	50-120	0.7	30
Heptachlor	18.0		µg/kg wet	2.50	25.0		72	40-140	8	30
Heptachlor [2C]	16.7		µg/kg wet	2.50	25.0		67	40-140	0.8	30
Aldrin	17.3		µg/kg wet	2.50	25.0		69	40-140	8	30
Aldrin [2C]	15.7		µg/kg wet	2.50	25.0		63	40-140	1	30
Heptachlor epoxide	17.9		µg/kg wet	2.50	25.0		71	50-150	7	30
Heptachlor epoxide [2C]	16.7		µg/kg wet	2.50	25.0		67	50-150	2	30
Endosulfan I	16.4		µg/kg wet	2.50	25.0		66	40-140	9	30
Endosulfan I [2C]	15.7		µg/kg wet	2.50	25.0		63	40-140	3	30
Dieldrin	17.4		µg/kg wet	2.50	25.0		70	30-130	9	30
Dieldrin [2C]	16.0		µg/kg wet	2.50	25.0		64	30-130	3	30
4,4'-DDE (p,p')	16.8		µg/kg wet	2.50	25.0		67	50-150	7	30
4,4'-DDE (p,p') [2C]	16.3		µg/kg wet	2.50	25.0		65	50-150	3	30
Endrin	16.7		µg/kg wet	4.00	25.0		67	50-120	10	30
Endrin [2C]	15.7		µg/kg wet	4.00	25.0		63	50-120	4	30
Endosulfan II	17.4		µg/kg wet	4.00	25.0		70	40-140	8	30
Endosulfan II [2C]	16.0		µg/kg wet	4.00	25.0		64	40-140	5	30
4,4'-DDD (p,p')	17.3		µg/kg wet	4.00	25.0		69	40-140	7	30
4,4'-DDD (p,p') [2C]	14.2		µg/kg wet	4.00	25.0		57	40-140	4	30
Endosulfan sulfate	15.2		µg/kg wet	4.00	25.0		61	50-120	11	30
Endosulfan sulfate [2C]	14.3		µg/kg wet	4.00	25.0		57	50-120	5	30
4,4'-DDT (p,p')	18.4		µg/kg wet	4.00	25.0		74	40-140	11	30
4,4'-DDT (p,p') [2C]	16.7		µg/kg wet	4.00	25.0		67	40-140	6	30
Methoxychlor	15.3		µg/kg wet	4.00	25.0		61	40-140	13	30
Methoxychlor [2C]	14.8		µg/kg wet	4.00	25.0		59	40-140	6	30
Endrin ketone	16.2		µg/kg wet	4.00	25.0		65	40-140	0.04	30
Endrin ketone [2C]	15.5		µg/kg wet	4.00	25.0		62	40-140	2	30
Endrin aldehyde	18.1		µg/kg wet	4.00	25.0		72	40-140	12	30
Endrin aldehyde [2C]	16.4		µg/kg wet	4.00	25.0		66	40-140	12	30
alpha-Chlordane	16.6		µg/kg wet	2.50	25.0		67	40-140	8	30
alpha-Chlordane [2C]	16.5		µg/kg wet	2.50	25.0		66	40-140	4	30
gamma-Chlordane	15.6		µg/kg wet	2.50	25.0		63	30-130	7	30
gamma-Chlordane [2C]	16.7		µg/kg wet	2.50	25.0		67	30-130	3	30
Alachlor	18.2		µg/kg wet	2.50	25.0		73	40-140	6	30
Alachlor [2C]	14.5		µg/kg wet	2.50	25.0		58	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.83*		µg/kg wet		*10.0*		*78*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.19*		µg/kg wet		*10.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.75*		µg/kg wet		*10.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*5.30*		µg/kg wet		*10.0*		*53*	*30-150*		
Batch 9070734 - SW846 3550B										
Blank (9070734-BLK1)										
Prepared & Analyzed: 13-Jul-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070734 - SW846 3550B										
Blank (9070734-BLK1)										
Prepared & Analyzed: 13-Jul-09										
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	2250						
MCPA [2C]	BRL		µg/kg wet	2250						
MCPB	BRL		µg/kg wet	2250						
MCPB [2C]	BRL		µg/kg wet	2250						
MCPP	BRL		µg/kg wet	2250						
MCPP [2C]	BRL		µg/kg wet	2250						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*13.3*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*13.7*		µg/kg wet		*13.3*		*102*	*30-150*		
LCS (9070734-BS1)										
Prepared & Analyzed: 13-Jul-09										
2,4,5-T	23.5		µg/kg wet	6.70	33.3		71	40-140		
2,4,5-T [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140		
2,4,5-TP (Silvex)	23.0		µg/kg wet	6.70	33.3		69	40-140		
2,4,5-TP (Silvex) [2C]	20.9		µg/kg wet	6.70	33.3		63	40-140		
2,4-D	20.7		µg/kg wet	6.70	33.3		62	40-140		
2,4-D [2C]	21.5		µg/kg wet	6.70	33.3		64	40-140		
2,4-DB	24.7		µg/kg wet	6.70	33.3		74	40-140		
2,4-DB [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140		
Dalapon	16.6		µg/kg wet	6.70	33.3		50	40-140		
Dalapon [2C]	18.5		µg/kg wet	6.70	33.3		55	40-140		
Dicamba	21.5		µg/kg wet	6.70	33.3		64	40-140		
Dicamba [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140		
Dichlorprop	23.5		µg/kg wet	6.70	33.3		71	40-140		
Dichlorprop [2C]	24.3		µg/kg wet	6.70	33.3		73	40-140		
Dinoseb	24.4		µg/kg wet	6.70	33.3		73	40-140		
Dinoseb [2C]	22.3		µg/kg wet	6.70	33.3		67	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*13.3*		*132*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.5*		µg/kg wet		*13.3*		*116*	*30-150*		
LCS (9070734-BS2)										
Prepared & Analyzed: 13-Jul-09										
MCPA	6330		µg/kg wet	2250	10000		63	40-140		
MCPA [2C]	6670		µg/kg wet	2250	10000		67	40-140		
MCPB	7070		µg/kg wet	2250	10000		71	40-140		
MCPB [2C]	7200		µg/kg wet	2250	10000		72	40-140		
MCPP	8470		µg/kg wet	2250	10000		85	40-140		
MCPP [2C]	7400		µg/kg wet	2250	10000		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.6*		µg/kg wet		*13.3*		*147*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070734 - SW846 3550B										
LCS Dup (9070734-BSD1)										
Prepared & Analyzed: 13-Jul-09										
2,4,5-T	21.1		µg/kg wet	6.70	33.3		63	40-140	11	25
2,4,5-T [2C]	23.6		µg/kg wet	6.70	33.3		71	40-140	11	25
2,4,5-TP (Silvex)	20.6		µg/kg wet	6.70	33.3		62	40-140	11	25
2,4,5-TP (Silvex) [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140	10	25
2,4-D	20.3		µg/kg wet	6.70	33.3		61	40-140	2	25
2,4-D [2C]	19.3		µg/kg wet	6.70	33.3		58	40-140	11	25
2,4-DB	22.5		µg/kg wet	6.70	33.3		67	40-140	10	25
2,4-DB [2C]	24.1		µg/kg wet	6.70	33.3		72	40-140	4	25
Dalapon	17.1		µg/kg wet	6.70	33.3		51	40-140	3	25
Dalapon [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140	9	25
Dicamba	20.9		µg/kg wet	6.70	33.3		63	40-140	3	25
Dicamba [2C]	23.1		µg/kg wet	6.70	33.3		69	40-140	7	25
Dichlorprop	22.7		µg/kg wet	6.70	33.3		68	40-140	3	25
Dichlorprop [2C]	25.7		µg/kg wet	6.70	33.3		77	40-140	6	25
Dinoseb	22.3		µg/kg wet	6.70	33.3		67	40-140	9	25
Dinoseb [2C]	24.9		µg/kg wet	6.70	33.3		75	40-140	11	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg wet		*13.3*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.3*		µg/kg wet		*13.3*		*122*	*30-150*		
LCS Dup (9070734-BSD2)										
Prepared & Analyzed: 13-Jul-09										
MCPA	6000		µg/kg wet	2250	10000		60	40-140	5	25
MCPA [2C]	6730		µg/kg wet	2250	10000		67	40-140	1	25
MCPB	6730		µg/kg wet	2250	10000		67	40-140	5	25
MCPB [2C]	7530		µg/kg wet	2250	10000		75	40-140	5	25
MCPP	7530		µg/kg wet	2250	10000		75	40-140	12	25
MCPP [2C]	7600		µg/kg wet	2250	10000		76	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*13.3*		*121*	*30-150*		
Batch 9071282 - SW846 3535										
Blank (9071282-BLK1)										
Prepared & Analyzed: 20-Jul-09										
alpha-BHC	BRL		µg/l	0.020						
alpha-BHC [2C]	BRL		µg/l	0.020						
beta-BHC	BRL		µg/l	0.020						
beta-BHC [2C]	BRL		µg/l	0.020						
delta-BHC	BRL		µg/l	0.020						
delta-BHC [2C]	BRL		µg/l	0.020						
gamma-BHC (Lindane)	BRL		µg/l	0.020						
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.020						
Heptachlor	BRL		µg/l	0.020						
Heptachlor [2C]	BRL		µg/l	0.020						
Aldrin	BRL		µg/l	0.020						
Aldrin [2C]	BRL		µg/l	0.020						
Heptachlor epoxide	BRL		µg/l	0.020						
Heptachlor epoxide [2C]	BRL		µg/l	0.020						
Endosulfan I	BRL		µg/l	0.020						
Endosulfan I [2C]	BRL		µg/l	0.020						
Dieldrin	BRL		µg/l	0.020						
Dieldrin [2C]	BRL		µg/l	0.020						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071282 - SW846 3535										
Blank (9071282-BLK1)										
Prepared & Analyzed: 20-Jul-09										
4,4'-DDE (p,p')	BRL		µg/l	0.020						
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.020						
Endrin	BRL		µg/l	0.020						
Endrin [2C]	BRL		µg/l	0.020						
Endosulfan II	BRL		µg/l	0.020						
Endosulfan II [2C]	BRL		µg/l	0.020						
4,4'-DDD (p,p')	BRL		µg/l	0.020						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.020						
Endosulfan sulfate	BRL		µg/l	0.020						
Endosulfan sulfate [2C]	BRL		µg/l	0.020						
4,4'-DDT (p,p')	BRL		µg/l	0.020						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.020						
Methoxychlor	BRL		µg/l	0.020						
Methoxychlor [2C]	BRL		µg/l	0.020						
Endrin ketone	BRL		µg/l	0.020						
Endrin ketone [2C]	BRL		µg/l	0.020						
Endrin aldehyde	BRL		µg/l	0.020						
Endrin aldehyde [2C]	BRL		µg/l	0.020						
alpha-Chlordane	BRL		µg/l	0.020						
alpha-Chlordane [2C]	BRL		µg/l	0.020						
gamma-Chlordane	BRL		µg/l	0.020						
gamma-Chlordane [2C]	BRL		µg/l	0.020						
Toxaphene	BRL		µg/l	0.250						
Toxaphene [2C]	BRL		µg/l	0.250						
Chlordane	BRL		µg/l	0.050						
Chlordane [2C]	BRL		µg/l	0.050						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.157*		µg/l		*0.200*		*78*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.137*		µg/l		*0.200*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.126*		µg/l		*0.200*		*63*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.105*		µg/l		*0.200*		*52*	*30-150*		
LCS (9071282-BS1)										
Prepared & Analyzed: 20-Jul-09										
alpha-BHC	0.286		µg/l	0.020	0.500		57	40-140		
alpha-BHC [2C]	0.291		µg/l	0.020	0.500		58	40-140		
beta-BHC	0.303		µg/l	0.020	0.500		61	40-140		
beta-BHC [2C]	0.306		µg/l	0.020	0.500		61	40-140		
delta-BHC	0.298		µg/l	0.020	0.500		60	40-140		
delta-BHC [2C]	0.291		µg/l	0.020	0.500		58	40-140		
gamma-BHC (Lindane)	0.311		µg/l	0.020	0.500		62	50-120		
gamma-BHC (Lindane) [2C]	0.297		µg/l	0.020	0.500		59	50-120		
Heptachlor	0.310		µg/l	0.020	0.500		62	40-140		
Heptachlor [2C]	0.301		µg/l	0.020	0.500		60	40-140		
Aldrin	0.302		µg/l	0.020	0.500		60	40-140		
Aldrin [2C]	0.285		µg/l	0.020	0.500		57	40-140		
Heptachlor epoxide	0.261		µg/l	0.020	0.500		52	50-150		
Heptachlor epoxide [2C]	0.302		µg/l	0.020	0.500		60	50-150		
Endosulfan I	0.267		µg/l	0.020	0.500		53	40-140		
Endosulfan I [2C]	0.285		µg/l	0.020	0.500		57	40-140		
Dieldrin	0.285		µg/l	0.020	0.500		57	30-130		
Dieldrin [2C]	0.292		µg/l	0.020	0.500		58	30-130		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071282 - SW846 3535										
LCS (9071282-BS1)										
Prepared & Analyzed: 20-Jul-09										
4,4'-DDE (p,p')	0.273		µg/l	0.020	0.500		55	50-150		
4,4'-DDE (p,p') [2C]	0.295		µg/l	0.020	0.500		59	50-150		
Endrin	0.271		µg/l	0.020	0.500		54	50-120		
Endrin [2C]	0.279		µg/l	0.020	0.500		56	50-120		
Endosulfan II	0.276		µg/l	0.020	0.500		55	40-140		
Endosulfan II [2C]	0.302		µg/l	0.020	0.500		60	40-140		
4,4'-DDD (p,p')	0.276		µg/l	0.020	0.500		55	40-140		
4,4'-DDD (p,p') [2C]	0.252		µg/l	0.020	0.500		50	40-140		
Endosulfan sulfate	0.268		µg/l	0.020	0.500		54	50-120		
Endosulfan sulfate [2C]	0.281		µg/l	0.020	0.500		56	50-120		
4,4'-DDT (p,p')	0.300		µg/l	0.020	0.500		60	40-140		
4,4'-DDT (p,p') [2C]	0.277		µg/l	0.020	0.500		55	40-140		
Methoxychlor	0.268		µg/l	0.020	0.500		54	40-140		
Methoxychlor [2C]	0.282		µg/l	0.020	0.500		56	40-140		
Endrin ketone	0.286		µg/l	0.020	0.500		57	40-140		
Endrin ketone [2C]	0.289		µg/l	0.020	0.500		58	40-140		
Endrin aldehyde	0.316		µg/l	0.020	0.500		63	40-140		
Endrin aldehyde [2C]	0.259		µg/l	0.020	0.500		52	40-140		
alpha-Chlordane	0.275		µg/l	0.020	0.500		55	40-140		
alpha-Chlordane [2C]	0.263		µg/l	0.020	0.500		53	40-140		
gamma-Chlordane	0.291		µg/l	0.020	0.500		58	30-130		
gamma-Chlordane [2C]	0.306		µg/l	0.020	0.500		61	30-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.148*		µg/l		*0.200*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.131*		µg/l		*0.200*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.121*		µg/l		*0.200*		*61*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0852*		µg/l		*0.200*		*43*	*30-150*		
LCS Dup (9071282-BSD1)										
Prepared & Analyzed: 20-Jul-09										
alpha-BHC	0.284		µg/l	0.020	0.500		57	40-140	0.6	30
alpha-BHC [2C]	0.269		µg/l	0.020	0.500		54	40-140	8	30
beta-BHC	0.307		µg/l	0.020	0.500		61	40-140	1	30
beta-BHC [2C]	0.286		µg/l	0.020	0.500		57	40-140	7	30
delta-BHC	0.294		µg/l	0.020	0.500		59	40-140	1	30
delta-BHC [2C]	0.270		µg/l	0.020	0.500		54	40-140	7	30
gamma-BHC (Lindane)	0.304		µg/l	0.020	0.500		61	50-120	2	30
gamma-BHC (Lindane) [2C]	0.275		µg/l	0.020	0.500		55	50-120	8	30
Heptachlor	0.294		µg/l	0.020	0.500		59	40-140	5	30
Heptachlor [2C]	0.281		µg/l	0.020	0.500		56	40-140	7	30
Aldrin	0.292		µg/l	0.020	0.500		58	40-140	3	30
Aldrin [2C]	0.263		µg/l	0.020	0.500		53	40-140	8	30
Heptachlor epoxide	0.267		µg/l	0.020	0.500		53	50-150	2	30
Heptachlor epoxide [2C]	0.279		µg/l	0.020	0.500		56	50-150	8	30
Endosulfan I	0.258		µg/l	0.020	0.500		52	40-140	3	30
Endosulfan I [2C]	0.264		µg/l	0.020	0.500		53	40-140	8	30
Dieldrin	0.267		µg/l	0.020	0.500		53	30-130	6	30
Dieldrin [2C]	0.273		µg/l	0.020	0.500		55	30-130	6	30
4,4'-DDE (p,p')	0.270		µg/l	0.020	0.500		54	50-150	1	30
4,4'-DDE (p,p') [2C]	0.272		µg/l	0.020	0.500		54	50-150	8	30
Endrin	0.270		µg/l	0.020	0.500		54	50-120	0.4	30
Endrin [2C]	0.260		µg/l	0.020	0.500		52	50-120	7	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071282 - SW846 3535										
LCS Dup (9071282-BSD1)										
Prepared & Analyzed: 20-Jul-09										
Endosulfan II	0.270		µg/l	0.020	0.500		54	40-140	2	30
Endosulfan II [2C]	0.266		µg/l	0.020	0.500		53	40-140	13	30
4,4'-DDD (p,p')	0.276		µg/l	0.020	0.500		55	40-140	0	30
4,4'-DDD (p,p') [2C]	0.234		µg/l	0.020	0.500		47	40-140	7	30
Endosulfan sulfate	0.261		µg/l	0.020	0.500		52	50-120	2	30
Endosulfan sulfate [2C]	0.249		µg/l	0.020	0.500		50	50-120	12	30
4,4'-DDT (p,p')	0.292		µg/l	0.020	0.500		58	40-140	3	30
4,4'-DDT (p,p') [2C]	0.261		µg/l	0.020	0.500		52	40-140	6	30
Methoxychlor	0.261		µg/l	0.020	0.500		52	40-140	3	30
Methoxychlor [2C]	0.261		µg/l	0.020	0.500		52	40-140	8	30
Endrin ketone	0.277		µg/l	0.020	0.500		55	40-140	3	30
Endrin ketone [2C]	0.267		µg/l	0.020	0.500		53	40-140	8	30
Endrin aldehyde	0.305		µg/l	0.020	0.500		61	40-140	4	30
Endrin aldehyde [2C]	0.240		µg/l	0.020	0.500		48	40-140	8	30
alpha-Chlordane	0.270		µg/l	0.020	0.500		54	40-140	2	30
alpha-Chlordane [2C]	0.278		µg/l	0.020	0.500		56	40-140	5	30
gamma-Chlordane	0.274		µg/l	0.020	0.500		55	30-130	6	30
gamma-Chlordane [2C]	0.281		µg/l	0.020	0.500		56	30-130	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.142*		µg/l		*0.200*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.125*		µg/l		*0.200*		*63*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.119*		µg/l		*0.200*		*59*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0753*		µg/l		*0.200*		*38*	*30-150*		
Duplicate (9071282-DUP1)	**Source: SA97414-30**									
Prepared & Analyzed: 20-Jul-09										
alpha-BHC	BRL		µg/l	0.002		BRL				30
alpha-BHC [2C]	BRL		µg/l	0.002		BRL				30
beta-BHC	BRL		µg/l	0.002		BRL				30
beta-BHC [2C]	BRL		µg/l	0.002		BRL				30
delta-BHC	BRL		µg/l	0.002		BRL				30
delta-BHC [2C]	BRL		µg/l	0.002		BRL				30
gamma-BHC (Lindane)	BRL		µg/l	0.002		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.002		BRL				30
Heptachlor	BRL		µg/l	0.002		BRL				30
Heptachlor [2C]	BRL		µg/l	0.002		BRL				30
Aldrin	BRL		µg/l	0.002		BRL				30
Aldrin [2C]	BRL		µg/l	0.002		BRL				30
Heptachlor epoxide	BRL		µg/l	0.002		BRL				30
Heptachlor epoxide [2C]	BRL		µg/l	0.002		BRL				30
Endosulfan I	BRL		µg/l	0.002		BRL				30
Endosulfan I [2C]	BRL		µg/l	0.002		BRL				30
Dieldrin	BRL		µg/l	0.002		BRL				30
Dieldrin [2C]	BRL		µg/l	0.002		BRL				30
4,4'-DDE (p,p')	BRL		µg/l	0.002		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.002		BRL				30
Endrin	BRL		µg/l	0.002		BRL				30
Endrin [2C]	BRL		µg/l	0.002		BRL				30
Endosulfan II	BRL		µg/l	0.002		BRL				30
Endosulfan II [2C]	BRL		µg/l	0.002		BRL				30
4,4'-DDD (p,p')	BRL		µg/l	0.002		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.002		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071282 - SW846 3535										
Duplicate (9071282-DUP1)	**Source: SA97414-30**									
Prepared & Analyzed: 20-Jul-09										
Endosulfan sulfate	BRL		µg/l	0.002		BRL				30
Endosulfan sulfate [2C]	BRL		µg/l	0.002		BRL				30
4,4'-DDT (p,p')	BRL		µg/l	0.002		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.002		BRL				30
Methoxychlor	BRL		µg/l	0.002		BRL				30
Methoxychlor [2C]	BRL		µg/l	0.002		BRL				30
Endrin ketone	BRL		µg/l	0.002		BRL				30
Endrin ketone [2C]	BRL		µg/l	0.002		BRL				30
Endrin aldehyde	BRL		µg/l	0.002		BRL				30
Endrin aldehyde [2C]	BRL		µg/l	0.002		BRL				30
alpha-Chlordane	BRL		µg/l	0.002		BRL				30
alpha-Chlordane [2C]	BRL		µg/l	0.002		BRL				30
gamma-Chlordane	BRL		µg/l	0.002		BRL				30
gamma-Chlordane [2C]	BRL		µg/l	0.002		BRL				30
Toxaphene	BRL		µg/l	0.027		BRL				30
Toxaphene [2C]	BRL		µg/l	0.027		BRL				30
Chlordane	BRL		µg/l	0.005		BRL				30
Chlordane [2C]	BRL		µg/l	0.005		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0732*		µg/l		*0.217*		*34*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0551*	SGC	µg/l		*0.217*		*25*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.119*		µg/l		*0.217*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.102*		µg/l		*0.217*		*47*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070845 - SW846 3550B										
Blank (9070845-BLK1)										
Prepared & Analyzed: 14-Jul-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.38*		mg/kg wet		*3.33*		*101*	*50-150*		
LCS (9070845-BS1)										
Prepared & Analyzed: 14-Jul-09										
C9-C36 Aliphatic Hydrocarbons	71.1		mg/kg wet	13.3	93.3		76	60-120		
Surrogate: 1-Chlorooctadecane	*2.65*		mg/kg wet		*3.33*		*79*	*50-150*		
Duplicate (9070845-DUP1) **Source: SA97414-08**										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Gasoline	BRL		mg/kg dry	30.6		BRL				50
Fuel Oil #2	BRL		mg/kg dry	30.6		BRL				50
Fuel Oil #4	BRL		mg/kg dry	30.6		BRL				50
Fuel Oil #6	BRL		mg/kg dry	30.6		BRL				50
Motor Oil	BRL		mg/kg dry	30.6		BRL				50
Aviation Fuel	BRL		mg/kg dry	30.6		BRL				50
Unidentified	BRL		mg/kg dry	30.6		BRL				50
Other Oil	BRL		mg/kg dry	30.6		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.6		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.6		BRL				50
Surrogate: 1-Chlorooctadecane	*4.26*		mg/kg dry		*3.83*		*111*	*50-150*		
Matrix Spike (9070845-MS1) **Source: SA97414-08**										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
C9-C36 Aliphatic Hydrocarbons	89.2		mg/kg dry	15.3	107	BRL	83	50-150		
Surrogate: 1-Chlorooctadecane	*3.25*		mg/kg dry		*3.83*		*85*	*50-150*		
Matrix Spike Dup (9070845-MSD1) **Source: SA97414-08**										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
C9-C36 Aliphatic Hydrocarbons	89.2		mg/kg dry	15.3	107	BRL	83	50-150	0	30
Surrogate: 1-Chlorooctadecane	*3.20*		mg/kg dry		*3.83*		*84*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070595 - SW846 3050B										
Blank (9070595-BLK1)										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Selenium	BRL		mg/kg wet	1.29						
Lead	BRL		mg/kg wet	1.29						
Silver	BRL		mg/kg wet	1.29						
Cadmium	BRL		mg/kg wet	0.431						
Chromium	BRL		mg/kg wet	0.862						
Arsenic	BRL		mg/kg wet	1.29						
Barium	BRL		mg/kg wet	0.862						
Duplicate (9070595-DUP1) Source: SA97414-21										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Lead	109	QR6	mg/kg dry	1.63		71.2			42	20
Selenium	0.512	J	mg/kg dry	1.63		0.518			1	20
Chromium	21.5	QR6	mg/kg dry	1.09		40.2			61	20
Cadmium	1.02		mg/kg dry	0.545		1.04			2	20
Silver	BRL		mg/kg dry	1.63		BRL				20
Arsenic	2.14	QR6	mg/kg dry	1.63		1.43			40	20
Barium	63.7		mg/kg dry	1.09		59.6			7	20
Matrix Spike (9070595-MS1) Source: SA97414-23										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Lead	138		mg/kg dry	1.58	132	13.6	94	75-125		
Selenium	129		mg/kg dry	1.58	132	0.523	98	75-125		
Arsenic	133		mg/kg dry	1.58	132	2.56	99	75-125		
Cadmium	130		mg/kg dry	0.528	132	1.12	98	75-125		
Silver	129		mg/kg dry	1.58	132	BRL	98	75-125		
Chromium	154		mg/kg dry	1.06	132	20.1	102	75-125		
Barium	180		mg/kg dry	1.06	132	38.3	107	75-125		
Matrix Spike Dup (9070595-MSD1) Source: SA97414-23										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Lead	139		mg/kg dry	1.62	135	13.6	93	75-125	0.7	20
Selenium	130		mg/kg dry	1.62	135	0.523	96	75-125	0.7	20
Chromium	154		mg/kg dry	1.08	135	20.1	99	75-125	0.04	20
Arsenic	134		mg/kg dry	1.62	135	2.56	97	75-125	0.7	20
Cadmium	134		mg/kg dry	0.540	135	1.12	98	75-125	3	20
Silver	131		mg/kg dry	1.62	135	BRL	97	75-125	2	20
Barium	186		mg/kg dry	1.08	135	38.3	109	75-125	3	20
Post Spike (9070595-PS1) Source: SA97414-23										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Lead	162		mg/kg dry	1.76	146	13.6	101	80-120		
Selenium	150		mg/kg dry	1.76	146	0.523	102	80-120		
Cadmium	151		mg/kg dry	0.586	146	1.12	102	80-120		
Arsenic	152		mg/kg dry	1.76	146	2.56	102	80-120		
Silver	149		mg/kg dry	1.76	146	BRL	102	80-120		
Chromium	167		mg/kg dry	1.17	146	20.1	100	80-120		
Barium	191		mg/kg dry	1.17	146	38.3	104	80-120		
Reference (9070595-SRM1)										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Selenium	77.5		mg/kg wet	1.50	76.7		101	78.4-120.9		
Lead	87.7		mg/kg wet	1.50	89.1		98	79.1-120.3		

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 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070595 - SW846 3050B										
Reference (9070595-SRM1)										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Arsenic	82.6		mg/kg wet	1.50	81.9		101	81-118.4		
Silver	35.1		mg/kg wet	1.50	34.2		103	66.2-133.6		
Cadmium	100		mg/kg wet	0.500	96.9		104	82.4-117.6		
Chromium	50.0		mg/kg wet	1.00	46.4		108	78.8-120.7		
Barium	180		mg/kg wet	1.00	180		100	80.7-119.3		
Reference (9070595-SRM2)										
Prepared: 13-Jul-09 Analyzed: 14-Jul-09										
Lead	88.0		mg/kg wet	1.50	87.7		100	79.1-120.3		
Selenium	76.1		mg/kg wet	1.50	75.4		101	78.4-120.9		
Silver	35.5		mg/kg wet	1.50	33.6		105	66.2-133.6		
Chromium	47.8		mg/kg wet	1.00	45.6		105	78.8-120.7		
Cadmium	98.4		mg/kg wet	0.500	95.3		103	82.4-117.6		
Arsenic	82.4		mg/kg wet	1.50	80.5		102	81-118.4		
Barium	195		mg/kg wet	1.00	177		110	80.7-119.3		
Batch 9070596 - EPA200/SW7000 Series										
Blank (9070596-BLK1)										
Prepared: 13-Jul-09 Analyzed: 15-Jul-09										
Mercury	BRL		mg/kg wet	0.0261						
Duplicate (9070596-DUP1) Source: SA97414-21										
Prepared: 13-Jul-09 Analyzed: 15-Jul-09										
Mercury	0.0392	QR8	mg/kg dry	0.0322		0.0523			29	20
Matrix Spike (9070596-MS1) Source: SA97414-23										
Prepared: 13-Jul-09 Analyzed: 15-Jul-09										
Mercury	0.590		mg/kg dry	0.0328	0.456	0.0230	124	75-125		
Matrix Spike Dup (9070596-MSD1) Source: SA97414-23										
Prepared: 13-Jul-09 Analyzed: 15-Jul-09										
Mercury	0.563	QM7	mg/kg dry	0.0308	0.428	0.0230	126	75-125	5	20
Reference (9070596-SRM1)										
Prepared: 13-Jul-09 Analyzed: 15-Jul-09										
Mercury	2.30		mg/kg wet	0.0300	1.90		121	71.7-128.2		
Batch 9070754 - SW846 3050B										
Blank (9070754-BLK1)										
Prepared & Analyzed: 14-Jul-09										
Lead	BRL		mg/kg wet	1.43						
Arsenic	BRL		mg/kg wet	1.43						
Reference (9070754-SRM1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Lead	81.6		mg/kg wet	1.50	86.6		94	79.1-120.3		
Arsenic	75.9		mg/kg wet	1.50	79.6		95	81-118.4		
Reference (9070754-SRM2)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Lead	83.3		mg/kg wet	1.50	88.4		94	79.1-120.3		
Arsenic	77.7		mg/kg wet	1.50	81.2		96	81-118.4		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071174 - SW846 3010A										
Blank (9071174-BLK1)										
Prepared & Analyzed: 17-Jul-09										
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
LCS (9071174-BS1)										
Prepared & Analyzed: 17-Jul-09										
Lead	2.60		mg/l	0.0150	2.50		104	85-115		
Chromium	2.59		mg/l	0.0100	2.50		104	85-115		
Arsenic	2.56		mg/l	0.0080	2.50		102	85-115		
Cadmium	2.71		mg/l	0.0050	2.50		108	85-115		
LCS Dup (9071174-BSD1)										
Prepared & Analyzed: 17-Jul-09										
Lead	2.67		mg/l	0.0150	2.50		107	85-115	2	20
Cadmium	2.81		mg/l	0.0050	2.50		112	85-115	4	20
Chromium	2.72		mg/l	0.0100	2.50		109	85-115	5	20
Arsenic	2.63		mg/l	0.0080	2.50		105	85-115	3	20
Duplicate (9071174-DUP1)	**Source: SA97414-21**									
Prepared & Analyzed: 17-Jul-09										
Lead	BRL		mg/l	0.0150		0.0051				20
Cadmium	BRL		mg/l	0.0050		BRL				20
Arsenic	BRL		mg/l	0.0080		BRL				20
Chromium	BRL		mg/l	0.0100		BRL				20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070588 - General Preparation										
Duplicate (9070588-DUP1)	**Source: SA97414-02**									
Prepared & Analyzed: 09-Jul-09										
% Solids	85.2		%			85.5			0.3	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

CAL2	Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria
DC2	The analyte result for the primary column was outside of the acceptance limits. The result from the confirmation column was used. The analyte was not detected in the associated samples.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
SGC	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
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Kim Wisk
Nicole Leja

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: CT DOT Rt 4 Corridor - Farmington, CT	CT DOT Rt 4 Corridor - Farmington, CT/ 03-273-03E
This Form Provides certifications for the following data set: SA97414-02 SA97414-23 SA97414-04 SA97414-25 SA97414-06 SA97414-27 SA97414-08 SA97414-28 SA97414-10 SA97414-29 SA97414-13 SA97414-30 SA97414-15 SA97414-31 SA97414-17 SA97414-32 SA97414-20 SA97414-21	List Specific Analytical Methods Used: +CT ETPH SM2540 G Mod. SW846 1312 SW846 1312/6010B SW846 1312/8081A SW846 6010B SW846 7471A SW846 8081A SW846 8082 SW846 8151A SW846 8260B SW846 8270C VOC Soil Extraction
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: 7/21/2009

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA

Client: Diversified Technology Consultants

Project Location: CT DOT Rt 4 Corridor - Farmington, CT

Project Number: 03-273-03E

Sampling Date(s):
07-Jul-09

Laboratory Sample ID(s):
SA97414-02 through SA97414-32

RCP Methods Used: +CT ETPH, SW846 1312, SW846 1312/6010B, SW846 1312/8081A, SW846 6010B, SW846 7471A, SW846 8081A, SW846 8082, SW846 8151A, SW846 8260B, SW846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 7/21/2009

SA97414 EM

SPECTRUM ANALYTICAL, INC.
formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:
☐ Standard TAT - ~~7 to 10 business days~~ 5 DAY
☐ 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: DTC
2321 Whitney Ave
Hamden CT 06518

Invoice To: DTC

Project No.: 03-273-03E
Site Name: ~~DTC~~ CONNDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

P.O. No.: _____ RQN: 6310

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= DI H_2O 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes: (check as needed)

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	RCRA (8010)	Total Pb	PAHs (8270)	QA/QC Reporting Notes
97414.01	*B-8 (0-2)	7/7/09	1255	G/C	SO	3	1								* Please hold
.02	B-8 (4-6)		1300			3	1			X	X				sample
.03	*B-11 (0.5-2.5)		1120				1								
.04	B-11 (4-6)		1125			3	1			X	X	X			
.05	*B-20 (1-2)		1100				1								
.06	B-20 (4-6)		1105			3	1			X	X				
.07	*B-21 (0.5-2.5)		1045				1								
.08	B-21 (4-6.5)		1050			3	1			X	X				
.09	*B-22 (0.5-2.5)		0940			3	1								
.10	B-22 (4-6)	↓	0945	↓	↓	3	1			X	X		X	X	

EDD Format: _____
☐ E-mail to chris.koelle@handalta.com

Condition upon receipt: ☑ Ice ☐ Ambient ☐ °C 4/3

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/8/09	1040
[signature]	[signature]	7/8/09	15:45

☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report

QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CT RSR

2.5°C

SA97414 Ex

SPECTRUM ANALYTICAL, INC.
Featuring:
HANDAL TECHNOLOGIES

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden CT ~~06518~~

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klapphalz

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= DI H_2O 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes: (check as needed)

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

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	Total RCRA Metals	Total Pb	
92414-1	*B-22(6-7)	7/7/09	0950	G/C	SO	~~3~~	1							* Please hold sample
2	*B-23(0-2)		1000			3	1							
3	B-23(4-6)		1005			3	1			X	X			
4	*B-25(0-2)		1030				1							
5	B-25(4-6)		1035			3	1			X	X			
6	*B-27(2-4)		0925			3	1							
7	B-27(4-6)		0930			3	1			X	X	X		
8	*B-27(6-8)		0935			3	1							
9	*B-28(0.5-~~2.5~~ 2.5)		0900			3	1							
10	B-28(2-3.5)		0905			3	1			X	X		X	

EDD Format: _____
☐ E-mail to: chris.koelle@tecundtc.com

Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 4.5

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/8/09	1400
[signature]	[signature]	7/8/09	15:45

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

2.5°C

SA 97414 EM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling: 5
☑ Standard TAT - ~~2 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: DTC
2321 Whitney Ave
Hamden, CT 06473

Project Mgr.: Chris Koelle
Telephone #: 203-339-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H2O 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes: (check as needed)

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPH	VOC (8260)	Total Pb	Total RCRA	Total As	Chlorinated Pesticides	Chlorinated Herbicides	
9	24	B-29 (0.5-2)	7/7/09	0850	G/C	SO	3	1			X	X		X				* Please hold samples
	22	B-30 (0-2.5)		0835			3	1										
	23	B-30 (4-5)		0840			3	1			X	X		X				
	24	B-31 (0.33-2)		0815			3	1										
	25	B-31 (4-6)		0820			3	1					X					
	26	B-31 (6-8)		0825			3	1										
	27	HA-1		1030	C			1					X		X	X	X	
	28	HA-2		1045				1					X		X	X	X	
	29	HA-3		1100				1					X		X	X	X	
	30	HA-4		1110				1					X		X	X	X	

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RSR Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other: _____

State specific reporting standards: CT RSR

EDD Format _____
☑ E-mail to chris.koelle@dtcc.com

Relinquished by:	Received by:	Date:	Time:
		7/8/09	1040
		7/8/09	15:45

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.5

2.5 °C

SA 97414 Pm

SPECTRUM ANALYTICAL, INC.
Planning ...
INNOVATIVE TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT 06518

Project Mgr.: Chris Koelle
Telephone #: _____

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: D3-293-03E
Site Name: ConnDOT Rank 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H_2O 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes: (check as needed)

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

☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report

QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CT RSR

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	Total Pb & As	Chlorinated Pesticides	Chlorinated Herbicides
974141-31	HA-5	7/7/09	1130	C	SO		1				X	X	X
↓ 32	Trip Blank	7/7/09	—	—	—	3				X	X		

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/8/09	1040
[signature]	[signature]	7/8/09	15:45

EDD Format _____
☑ E-mail to chris.koelle@tetrattech.com

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.6

2.5°C

11 Alingren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

SA 97414 EM

SPECTRUM ANALYTICAL, INC.
Partners in
HANDEAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT 06473

Project Mgr.: Chris Keelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H2O 10= _____ 11= _____

List preservative code below:

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/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

	Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	~~# of Plastic~~ SPLP ASPL	SPLP Pb, Cr	E-TPH	VOC (8260)	Total Pb	Total RCRA 8	Total As	Chlorinated Pesticides	Chlorinated Herbicides	SPLP Pesticides	
97414-27		B-29 (0.5-2)	7/7/09	0850	G/C	SO	3	1			✓	X	X		X					* Please hold samples
	28	*B-30 (0-2.5)		0835			3	1												
	29	B-30 (4-5)		0840			3	1				X	X		X					
	30	*B-31 (0.33-1)		0815			3	1												
	31	B-31 (4-6)		0820			3	1						X						
	32	*B-31 (6-8)		0825			3	1												
	33	HA-1		1030	C			1		✓				X		X	X	X		
	34	HA-2		1045				1						X		X	X	X		Added per client request 7/10/09
	35	HA-3		1100				1						X		X	X	X		
	36	HA-4		1110				1						X		X	X	X	✓	

EDD Format _____
☐ E-mail to chris.keelle@tetratech.com

Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 4.5

Relinquished by:	Received by:	Date:	Time:
		7/8/09	1040
		7/8/09	1545

2.5°C

SA 97414 Fm

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling: 5
☑ 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 30 days unless otherwise instructed.

Report To: DTC
2321 Whitney Ave
Hamden, CT 06473

Project Mgr.: Chris Koella
Telephone #: _____

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H_2O 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SU=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report
QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	Total Pb & As	Chlorinated Pesticides	Organics Herbicides	SCLP Pesticides			
934431	HA-5	7/7/09	1130	C	SO		1				X	X	X	✓			
J-32	Trip Blank	7/7/09	—	—	—	3				X	X						

Added 7/14/09 per client request

EDD Format: _____
☑ E-mail to chris.koella@tetratech.com

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/8/09	1040
		7/8/09	15:45

Condition upon receipt: ☑ Iced ☐ Ambient ☐ 46

2.5°C

Report Date:
22-Jul-09 16:37

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Diversified Technology Consultants
2321 Whitney Ave., Hamden Center II
Hamden, CT 06518
Attn: Christopher Koelle

Project: CT DOT Rt 4 Corridor - Farmington, CT
Project 03-273-3E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA97497-02	B-1 (4-6.5)	Soil	08-Jul-09 11:35	09-Jul-09 17:15
SA97497-03	B-1 (8-10)	Soil	08-Jul-09 11:40	09-Jul-09 17:15
SA97497-05	B-1 (14-15.5)	Soil	08-Jul-09 11:50	09-Jul-09 17:15
SA97497-07	B-3 (4-6)	Soil	08-Jul-09 08:50	09-Jul-09 17:15
SA97497-09	B-4 (4-6)	Soil	08-Jul-09 11:00	09-Jul-09 17:15
SA97497-12	B-5 (4-6)	Soil	08-Jul-09 09:10	09-Jul-09 17:15
SA97497-14	B-6 (4-4.5)	Soil	08-Jul-09 10:40	09-Jul-09 17:15
SA97497-15	B-7 (0-2)	Soil	08-Jul-09 10:20	09-Jul-09 17:15
SA97497-16	B-9 (0.5-2)	Soil	08-Jul-09 10:00	09-Jul-09 17:15
SA97497-18	B-10 (4-6)	Soil	08-Jul-09 09:40	09-Jul-09 17:15
SA97497-20	B-13 (1-3)	Soil	08-Jul-09 14:25	09-Jul-09 17:15
SA97497-21	B-13 (4-5.5)	Soil	08-Jul-09 14:30	09-Jul-09 17:15
SA97497-23	B-14 (4-5)	Soil	08-Jul-09 14:45	09-Jul-09 17:15
SA97497-24	B-15 (0.5-2)	Soil	08-Jul-09 14:10	09-Jul-09 17:15
SA97497-25	B-15 (2-3)	Soil	08-Jul-09 14:15	09-Jul-09 17:15
SA97497-26	B-15 (4-6)	Soil	08-Jul-09 14:20	09-Jul-09 17:15
SA97497-27	B-15 (6-7.5)	Soil	08-Jul-09 14:25	09-Jul-09 17:15
SA97497-28	B-17 (0.5-2.5)	Soil	08-Jul-09 13:40	09-Jul-09 17:15
SA97497-29	B-17 (4-6)	Soil	08-Jul-09 13:45	09-Jul-09 17:15
SA97497-30	B-18 (0.5-2)	Soil	08-Jul-09 13:10	09-Jul-09 17:15
SA97497-31	B-18 (2-3.25)	Soil	08-Jul-09 13:15	09-Jul-09 17:15
SA97497-33	B-18 (6-7.5)	Soil	08-Jul-09 13:25	09-Jul-09 17:15
SA97497-35	B-19 (0.5-2)	Soil	08-Jul-09 12:40	09-Jul-09 17:15
SA97497-36	B-19 (2-4)	Soil	08-Jul-09 12:45	09-Jul-09 17:15
SA97497-37	B-19 (4-6)	Soil	08-Jul-09 12:50	09-Jul-09 17:15
SA97497-38	B-19 (6-7)	Soil	08-Jul-09 12:55	09-Jul-09 17:15
SA97497-41	B-24 (4-6)	Soil	08-Jul-09 08:25	09-Jul-09 17:15
SA97497-43	B-1/GW	Ground Water	08-Jul-09 12:00	09-Jul-09 17:15
SA97497-44	B-18/GW	Ground Water	08-Jul-09 13:30	09-Jul-09 17:15
SA97497-45	DUP-1	Soil	08-Jul-09 00:00	09-Jul-09 17:15
SA97497-46	DUP-2	Soil	08-Jul-09 00:00	09-Jul-09 17:15
SA97497-47	DUP-3	Ground Water	08-Jul-09 00:00	09-Jul-09 17:15
SA97497-48	Trip Blank	Methanol/Deionized Water	08-Jul-09 00:00	09-Jul-09 17:15
SA97497-49	Trip Blank	Ground Water	08-Jul-09 00:00	09-Jul-09 17:15
SA97497-50	Field Blank	Aqueous	08-Jul-09 00:00	09-Jul-09 17:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 123 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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 or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 14.5 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 2.7 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 1312/6010B

Duplicates:

9071297-DUP1 *Source: SA97497-24*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Lead

SW846 8082

Samples:

S906650-CCV7

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr)

SW846 8260B

SW846 8260B

Blanks:

9070768-BLK1

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

SW846 8260B

Laboratory Control Samples:

9070768-BS1

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

9070768-BSD1

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

9070796-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

1,1,2-Trichlorotrifluoroethane (Freon 113)

9070796-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

9070863-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

9070863-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

1,1,2-Trichlorotrifluoroethane (Freon 113)
2-Hexanone (MBK)
Naphthalene

9070879-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

1,1,2-Trichlorotrifluoroethane (Freon 113)

SW846 8260B

Laboratory Control Samples:

9070879-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether
Tert-amyl methyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

2-Hexanone (MBK)
Naphthalene

9070985-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether

9070985-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethyl tert-butyl ether

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Naphthalene
Tert-amyl methyl ether

SW846 8260B

Samples:

S906503-CCV1

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

S906523-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Ethyl tert-butyl ether
Tert-amyl methyl ether

This affected the following samples:

B-1 (4-6.5)
B-3 (4-6)
B-4 (4-6)
B-5 (4-6)
B-6 (4-4.5)

S906574-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

1,4-Dioxane
Ethyl tert-butyl ether
Hexachlorobutadiene
sec-Butylbenzene
Tert-amyl methyl ether

This affected the following samples:

B-10 (4-6)
B-13 (4-5.5)
B-14 (4-5)
B-15 (0.5-2)
B-15 (6-7.5)
B-17 (4-6)
B-18 (2-3.25)
B-18 (6-7.5)
B-19 (2-4)
B-7 (0-2)

S906590-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

1,4-Dioxane
Ethyl tert-butyl ether
Tert-amyl methyl ether

This affected the following samples:

DUP-1
Trip Blank

SW846 8260B

Samples:

S906633-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Ethyl tert-butyl ether
Tert-amyl methyl ether

This affected the following samples:

B-19 (6-7)
B-24 (4-6)
B-9 (0.5-2)

SA97497-43 *B-1/GW*

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

SA97497-44 *B-18/GW*

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

SA97497-47 *DUP-3*

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

SA97497-49 *Trip Blank*

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

SA97497-50 *Field Blank*

Analyte quantified by quadratic equation type calibration.

Vinyl chloride

SW846 8270C

Samples:

SA97497-24 *B-15 (0.5-2)*

The Reporting Limit has been raised to account for matrix interference.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (4-6.5) SA97497-02	03-273-3E	Soil	08-Jul-09 11:35	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 7.67 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.5	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
67-64-1	Acetone	BRL		µg/kg dry	44.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	44.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (4-6.5) SA97497-02	03-273-3E	Soil	08-Jul-09 11:35	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 7.67 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.5	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
100-42-5	Styrene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	44.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	89.9	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1800	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	30.1	1	+CT ETPH	15-Jul-09	16-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.1	1	"	"	"	"	
	Unidentified	64.1		mg/kg dry	30.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	30.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	64.1		mg/kg dry	30.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	64.1		mg/kg dry	30.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*108*		*50-150 %*			"	"	"	"	
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
B-1 (4-6.5) SA97497-02	03-273-3E	Soil	08-Jul-09 11:35	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	87.0		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070711	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (8-10) SA97497-03	03-273-3E	Soil	08-Jul-09 11:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	33.3	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.3	1	"	"	"	"	
	Unidentified	87.8		mg/kg dry	33.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	33.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	87.8		mg/kg dry	33.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	87.8		mg/kg dry	33.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*109*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	79.3		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

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
B-1 (14-15.5) SA97497-05	03-273-3E	Soil	08-Jul-09 11:50	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	7.23		mg/kg dry	1.77	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
General Chemistry Parameters											
	% Solids	83.7		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070711	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (4-6) SA97497-07	03-273-3E	Soil	08-Jul-09 08:50	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 8.21 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.2	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
67-64-1	Acetone	BRL		µg/kg dry	42.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	42.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	21.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	42.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	42.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	42.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (4-6) SA97497-07	03-273-3E	Soil	08-Jul-09 08:50	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.21 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.2	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
100-42-5	Styrene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	42.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	42.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	84.3	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	21.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1690	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.3	1	+CT ETPH	15-Jul-09	15-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*113*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (4-6) SA97497-07	03-273-3E	Soil	08-Jul-09 08:50	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	87.3		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070711	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (4-6) SA97497-09	03-273-3E	Soil	08-Jul-09 11:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 5.84 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
67-64-1	Acetone	BRL		µg/kg dry	51.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (4-6) SA97497-09	03-273-3E	Soil	08-Jul-09 11:00	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.84 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	104	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2070	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.8	1	+CT ETPH	15-Jul-09	15-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*110*		*50-150 %*			"	"	"	"	
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
B-4 (4-6) SA97497-09	03-273-3E	Soil	08-Jul-09 11:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	91.1		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (4-6) SA97497-12	03-273-3E	Soil	08-Jul-09 09:10	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 7.34 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.4	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
67-64-1	Acetone	BRL		µg/kg dry	44.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.8	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.8	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	44.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (4-6) SA97497-12	03-273-3E	Soil	08-Jul-09 09:10	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 7.34 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.4	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
100-42-5	Styrene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.8	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	44.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	88.2	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1760	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.6	1	+CT ETPH	15-Jul-09	16-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Unidentified	72.6		mg/kg dry	29.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	72.6		mg/kg dry	29.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	72.6		mg/kg dry	29.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*107*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (4-6) SA97497-12	03-273-3E	Soil	08-Jul-09 09:10	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	89.3		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (4-4.5) SA97497-14	03-273-3E	Soil	08-Jul-09 10:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 5.32 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.3	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
67-64-1	Acetone	BRL		µg/kg dry	73.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	73.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	36.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	73.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	73.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	73.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.3	1	"	"	"	"	X

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
B-6 (4-4.5) SA97497-14	03-273-3E	Soil	08-Jul-09 10:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.32 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.3	1	SW846 8260B	13-Jul-09	14-Jul-09	9070796	X
100-42-5	Styrene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	73.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	73.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	147	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2930	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	32.6	1	+CT ETPH	15-Jul-09	15-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	32.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	32.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	32.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	32.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	32.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	32.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	32.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	32.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	32.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*113*		*50-150 %*			"	"	"	"	
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
B-6 (4-4.5) SA97497-14	03-273-3E	Soil	08-Jul-09 10:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	78.7		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (0-2) SA97497-15	03-273-3E	Soil	08-Jul-09 10:20	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 4.64 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	68.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	68.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	34.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	68.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	68.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	68.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	X

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
B-7 (0-2) SA97497-15	03-273-3E	Soil	08-Jul-09 10:20	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 4.64 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	68.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	68.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	137	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2750	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*79*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*96*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	87.5		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (0.5-2) SA97497-16	03-273-3E	Soil	08-Jul-09 10:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 6.33 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
67-64-1	Acetone	BRL		µg/kg dry	50.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	50.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (0.5-2) SA97497-16	03-273-3E	Soil	08-Jul-09 10:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.33 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	50.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	101	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2030	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*89*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	88.9		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

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
B-10 (4-6) SA97497-18	03-273-3E	Soil	08-Jul-09 09:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 5.75 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	52.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (4-6) SA97497-18	03-273-3E	Soil	08-Jul-09 09:40	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.75 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	105	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2100	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*96*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.6	1	+CT ETPH	15-Jul-09	15-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*112*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (4-6) SA97497-18	03-273-3E	Soil	08-Jul-09 09:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	91.2		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (1-3) SA97497-20	03-273-3E	Soil	08-Jul-09 14:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	142	1	SW846 8270C	20-Jul-09	21-Jul-09	9071301	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	142	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	142	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	142	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	142	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	142	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	142	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*66*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*62*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.8	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Unidentified	110		mg/kg dry	27.8	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	27.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	110		mg/kg dry	27.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	110		mg/kg dry	27.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	8.94		mg/kg dry	1.43	1	SW846 6010B	17-Jul-09	20-Jul-09	9071236	X
General Chemistry Parameters											
	% Solids	90.9		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

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
B-13 (4-5.5) SA97497-21	03-273-3E	Soil	08-Jul-09 14:30	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 3.64 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.4	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	83.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	83.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	41.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	83.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	83.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	83.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.4	1	"	"	"	"	X

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
B-13 (4-5.5) SA97497-21	03-273-3E	Soil	08-Jul-09 14:30	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 3.64 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.4	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	83.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	83.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	167	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3340	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.6	1	+CT ETPH	15-Jul-09	16-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*116*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (4-5.5) SA97497-21	03-273-3E	Soil	08-Jul-09 14:30	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	88.9		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (4-5) SA97497-23	03-273-3E	Soil	08-Jul-09 14:45	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 6.51 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.5	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	45.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	45.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	45.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	45.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	45.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.5	1	"	"	"	"	X

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
B-14 (4-5) SA97497-23	03-273-3E	Soil	08-Jul-09 14:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.51 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.5	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	45.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	45.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	90.3	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1810	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.0	1	+CT ETPH	15-Jul-09	16-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.0	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.0	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*119*		*50-150 %*			"	"	"	"	
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
B-14 (4-5) SA97497-23	03-273-3E	Soil	08-Jul-09 14:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	92.9		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-15 (0.5-2) SA97497-24	03-273-3E	Soil	08-Jul-09 14:10	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds						Initial weight: 4.77 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.9	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	59.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.9	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	59.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	29.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.9	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	59.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	59.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.9	1	"	"	"	"	X

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
B-15 (0.5-2) SA97497-24	03-273-3E	Soil	08-Jul-09 14:10	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 4.77 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.9	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.9	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.9	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.9	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.9	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	59.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.9	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	59.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	119	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	29.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2370	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*94*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C			R01								
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	1370	10	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	1370	10	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	1370	10	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	1370	10	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	1370	10	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	1370	10	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	1370	10	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	1370	10	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	1370	10	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	1370	10	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	1370	10	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	1370	10	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	1370	10	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	1370	10	"	"	"	"	

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
B-15 (0.5-2) SA97497-24	03-273-3E	Soil	08-Jul-09 14:10	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C			R01								
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	1370	10	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	1370	10	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	1370	10	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	1370	10	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*82*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*72*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	137	5	+CT ETPH	15-Jul-09	16-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	137	5	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	137	5	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	137	5	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	137	5	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	137	5	"	"	"	"	
	Unidentified	1,300		mg/kg dry	137	5	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	137	5	"	"	"	"	
	Total Petroleum Hydrocarbons	1,300		mg/kg dry	137	5	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	1,300		mg/kg dry	137	5	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*137*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	2.55		mg/kg dry	1.46	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
7439-92-1	Lead	315		mg/kg dry	1.46	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	0.633		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	21-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	93.7		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-15 (2-3) SA97497-25	03-273-3E	Soil	08-Jul-09 14:15	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	142	1	SW846 8270C	20-Jul-09	21-Jul-09	9071301	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	142	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	142	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	142	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	142	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	142	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	142	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	142	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*62*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.3	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.3	1	"	"	"	"	
	Unidentified	76.8		mg/kg dry	28.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	76.8		mg/kg dry	28.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	76.8		mg/kg dry	28.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	21.6		mg/kg dry	1.46	1	SW846 6010B	17-Jul-09	20-Jul-09	9071236	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	21-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	91.1		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-15 (4-6) SA97497-26	03-273-3E	Soil	08-Jul-09 14:20	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	143	1	SW846 8270C	20-Jul-09	21-Jul-09	9071301	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	143	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	143	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	143	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	143	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	143	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	143	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	143	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	143	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	143	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	143	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	143	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	143	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	143	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	143	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	143	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	143	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	143	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*66*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.7	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.7	1	"	"	"	"	
	Unidentified	72.3		mg/kg dry	28.7	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	72.3		mg/kg dry	28.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	72.3		mg/kg dry	28.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*106*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	7.83		mg/kg dry	1.55	1	SW846 6010B	17-Jul-09	21-Jul-09	9071236	X
General Chemistry Parameters											
	% Solids	91.5		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

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
B-15 (6-7.5) SA97497-27	03-273-3E	Soil	08-Jul-09 14:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 5.13 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.7	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	57.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	57.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-15 (6-7.5) SA97497-27	03-273-3E	Soil	08-Jul-09 14:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.13 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	57.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	115	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2300	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	140	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	140	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	140	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	140	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	140	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	140	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	140	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	140	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	140	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	140	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	140	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	140	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	140	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	140	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-15 (6-7.5) SA97497-27	03-273-3E	Soil	08-Jul-09 14:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	140	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	140	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	140	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	140	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*77*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*73*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	28.1	1	+CT ETPH	15-Jul-09	15-Jul-09	9070937	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*113*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	4.11		mg/kg dry	1.50	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
General Chemistry Parameters											
	% Solids	91.9		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-17 (0.5-2.5) SA97497-28	03-273-3E	Soil	08-Jul-09 13:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	157	1	SW846 8270C	20-Jul-09	21-Jul-09	9071301	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	157	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	157	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	157	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	157	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	157	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	157	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	157	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	157	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	157	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	157	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	157	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	157	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	157	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	157	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*73*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	31.4	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.4	1	"	"	"	"	
	Unidentified	101		mg/kg dry	31.4	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	101		mg/kg dry	31.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	101		mg/kg dry	31.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	169		mg/kg dry	1.52	1	SW846 6010B	17-Jul-09	21-Jul-09	9071236	X
General Chemistry Parameters											
	% Solids	84.4		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-17 (4-6) SA97497-29	03-273-3E	Soil	08-Jul-09 13:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 5.78 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	59.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	59.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	59.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	59.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	X

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
B-17 (4-6) SA97497-29	03-273-3E	Soil	08-Jul-09 13:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.78 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	59.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	59.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	120	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2400	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*96*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.6	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*112*		*50-150 %*			"	"	"	"	
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
B-17 (4-6) SA97497-29	03-273-3E	Soil	08-Jul-09 13:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
General Chemistry Parameters											
	% Solids	84.8		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (0.5-2) SA97497-30	03-273-3E	Soil	08-Jul-09 13:10	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	30.8	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.8	1	"	"	"	"	
	Unidentified	210		mg/kg dry	30.8	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	30.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	210		mg/kg dry	30.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	210		mg/kg dry	30.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*100*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	78.7		mg/kg dry	1.67	1	SW846 6010B	17-Jul-09	21-Jul-09	9071236	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	0.164		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	21-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	85.1		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (2-3.25) SA97497-31	03-273-3E	Soil	08-Jul-09 13:15	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds						Initial weight: 5.28 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	65.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	65.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (2-3.25) SA97497-31	03-273-3E	Soil	08-Jul-09 13:15	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.28 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	130	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2610	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	156	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	156	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	156	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	156	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	156	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	156	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (2-3.25) SA97497-31	03-273-3E	Soil	08-Jul-09 13:15	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	156	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	156	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	156	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*67*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	31.2	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	31.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	31.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*115*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	2.17		mg/kg dry	1.70	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
7439-92-1	Lead	31.8		mg/kg dry	1.70	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	84.5		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (6-7.5) SA97497-33	03-273-3E	Soil	08-Jul-09 13:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 6.06 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.2	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	61.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	30.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	61.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (6-7.5) SA97497-33	03-273-3E	Soil	08-Jul-09 13:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.06 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.2	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	124	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2470	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	156	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	156	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	156	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	156	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	156	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	156	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	156	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	156	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-18 (6-7.5) SA97497-33	03-273-3E	Soil	08-Jul-09 13:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	156	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	156	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	156	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	156	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*72*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	31.3	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.3	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	31.3	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	31.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*116*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	81.6		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

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
B-19 (0.5-2) SA97497-35	03-273-3E	Soil	08-Jul-09 12:40	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.1	1	+CT ETPH	20-Jul-09	21-Jul-09	9071298	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Unidentified	63.2		mg/kg dry	29.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	63.2		mg/kg dry	29.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	63.2		mg/kg dry	29.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	30.4		mg/kg dry	1.63	1	SW846 6010B	17-Jul-09	21-Jul-09	9071236	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	21-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	91.0		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-19 (2-4) SA97497-36	03-273-3E	Soil	08-Jul-09 12:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 6.58 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.8	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
67-64-1	Acetone	BRL		µg/kg dry	47.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.8	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	23.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	47.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	47.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	47.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.8	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-19 (2-4) SA97497-36	03-273-3E	Soil	08-Jul-09 12:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.58 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.8	1	SW846 8260B	14-Jul-09	14-Jul-09	9070863	X
100-42-5	Styrene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.8	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.8	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.8	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.8	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	47.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.8	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	47.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	95.2	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1900	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	146	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	146	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	146	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	146	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	146	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	146	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	146	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	146	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	146	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	146	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-19 (2-4) SA97497-36	03-273-3E	Soil	08-Jul-09 12:45	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	146	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	146	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	146	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	146	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*70*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.3	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.3	1	"	"	"	"	
	Unidentified	97.0		mg/kg dry	29.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	97.0		mg/kg dry	29.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	97.0		mg/kg dry	29.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*117*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	2.54		mg/kg dry	1.50	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
7439-92-1	Lead	451		mg/kg dry	1.50	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	17-Jul-09	17-Jul-09	9071229	X
7439-92-1	Lead	3.87		mg/l	0.0150	1	SW846 1311/6010B	20-Jul-09	21-Jul-09	9071295	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	0.233		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	21-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	90.1		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-19 (4-6) SA97497-37	03-273-3E	Soil	08-Jul-09 12:50	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	30.1	1	+CT ETPH	21-Jul-09	22-Jul-09	9071372	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.1	1	"	"	"	"	
	Unidentified	63.4		mg/kg dry	30.1	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	30.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	63.4		mg/kg dry	30.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	63.4		mg/kg dry	30.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*64*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	76.0		mg/kg dry	1.46	1	SW846 6010B	17-Jul-09	21-Jul-09	9071236	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	17-Jul-09	17-Jul-09	9071230	
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010B	20-Jul-09	22-Jul-09	9071297	
General Chemistry Parameters											
	% Solids	88.3		%		1	SM2540 G Mod.	17-Jul-09	17-Jul-09	9071226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-19 (6-7) SA97497-38	03-273-3E	Soil	08-Jul-09 12:55	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 6.48 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.0	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
67-64-1	Acetone	BRL		µg/kg dry	50.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	50.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.0	1	"	"	"	"	X

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
B-19 (6-7) SA97497-38	03-273-3E	Soil	08-Jul-09 12:55	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.48 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.0	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
100-42-5	Styrene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	50.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	101	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2020	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*98*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
83-32-9	Acenaphthene	BRL		µg/kg dry	147	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	147	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	147	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	147	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	147	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	147	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	147	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	147	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	147	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	147	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	147	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	147	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	147	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	147	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
B-19 (6-7) SA97497-38	03-273-3E	Soil	08-Jul-09 12:55	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
PAHs by SW846 8270C											
Prepared by method SW846 3545A											
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	147	1	SW846 8270C	15-Jul-09	15-Jul-09	9070939	X
91-20-3	Naphthalene	BRL		µg/kg dry	147	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	147	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	147	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*83*		*30-130 %*			"	"	"	"	
1718-51-0	*Terphenyl-d14*	*82*		*30-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	29.4	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*114*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-38-2	Arsenic	BRL		mg/kg dry	1.57	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
7439-92-1	Lead	5.21		mg/kg dry	1.57	1	"	"	"	"	X
General Chemistry Parameters											
	% Solids	88.2		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-24 (4-6) SA97497-41	03-273-3E	Soil	08-Jul-09 08:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.99 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.2	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
67-64-1	Acetone	BRL		µg/kg dry	41.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	41.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	20.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	41.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	41.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	41.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.2	1	"	"	"	"	X

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
B-24 (4-6) SA97497-41	03-273-3E	Soil	08-Jul-09 08:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.99 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.2	1	SW846 8260B	15-Jul-09	16-Jul-09	9070985	X
100-42-5	Styrene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	41.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	41.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	83.5	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1670	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*96*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.3	1	SW846 8082	14-Jul-09	15-Jul-09	9070843	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.3	1	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.3	1	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.3	1	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.3	1	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-24 (4-6) SA97497-41	03-273-3E	Soil	08-Jul-09 08:25	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.7	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.7	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.7	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.7	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.7	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.7	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.7	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.7	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.7	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.7	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*104*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	93.5		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

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
B-1/GW SA97497-43	03-273-3E	Ground Water	08-Jul-09 12:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
67-64-1	Acetone	12.0		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

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
B-1/GW SA97497-43	03-273-3E	Ground Water	08-Jul-09 12:00	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	2.5		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL	CAL1	µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	15-Jul-09	16-Jul-09	9070936	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*76*		*50-150 %*			"	"	"	"	

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
B-18/GW SA97497-44	03-273-3E	Ground Water	08-Jul-09 13:30	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	3.9		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

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
B-18/GW	03-273-3E	Ground Water	08-Jul-09 13:30	09-Jul-09
SA97497-44				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	4.5		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL	CAL1	µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	2.0		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	1.3		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	15-Jul-09	16-Jul-09	9070936	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*58*		*50-150 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-1 SA97497-45	03-273-3E	Soil	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Jul-09	10-Jul-09	9070712	
Volatile Organic Compounds					Initial weight: 9.08 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.2	1	SW846 8260B	14-Jul-09	15-Jul-09	9070879	X
67-64-1	Acetone	BRL		µg/kg dry	32.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	32.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	32.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	32.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	32.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.2	1	"	"	"	"	X

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
DUP-1 SA97497-45	03-273-3E	Soil	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.4	1	+CT ETPH	15-Jul-09	16-Jul-09	9070938	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.4	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	27.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*116*		*50-150 %*			"	"	"	"	
General Chemistry Parameters											
	% Solids	94.3		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-2 SA97497-46	03-273-3E	Soil	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	4.83		mg/kg dry	1.52	1	SW846 6010B	14-Jul-09	15-Jul-09	9070850	X
General Chemistry Parameters											
	% Solids	82.1		%		1	SM2540 G Mod.	10-Jul-09	10-Jul-09	9070709	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-3 SA97497-47	03-273-3E	Ground Water	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	3.8		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

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
DUP-3 SA97497-47	03-273-3E	Ground Water	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	3.2		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL	CAL1	µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	1.1		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	15-Jul-09	16-Jul-09	9070936	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*59*		*50-150 %*			"	"	"	"	

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
Trip Blank SA97497-48	03-273-3E	Methanol/Deionized Water	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B	14-Jul-09	15-Jul-09	9070879	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	25.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	50.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X

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
Trip Blank SA97497-48	03-273-3E	Methanol/Deionized Water	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)											
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	SW846 8260B	14-Jul-09	15-Jul-09	9070879	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	50.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SA97497-49	03-273-3E	Ground Water	08-Jul-09 00:00	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			HDS								
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

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
Trip Blank SA97497-49	03-273-3E	Ground Water	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds			HDS								
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL	CAL1	µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*89*		*70-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Field Blank SA97497-50	03-273-3E	Aqueous	08-Jul-09 00:00	09-Jul-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X

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
Field Blank SA97497-50	03-273-3E	Aqueous	08-Jul-09 00:00	09-Jul-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW846 8260B	13-Jul-09	13-Jul-09	9070768	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL	CAL1	µg/l	1.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*101*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3510C											
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	15-Jul-09	16-Jul-09	9070936	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*87*		*50-150 %*			"	"	"	"	

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	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070768 - SW846 5030 Water MS										
Blank (9070768-BLK1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070768 - SW846 5030 Water MS										
Blank (9070768-BLK1)										
Prepared & Analyzed: 13-Jul-09										
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL	CAL1	µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*45.9*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*55.0*		µg/l		*50.0*		*110*	*70-130*		
LCS (9070768-BS1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/l		20.0		110	70-130		
Acetone	19.9		µg/l		20.0		100	52.2-144		
Acrylonitrile	20.9		µg/l		20.0		104	70-130		
Benzene	19.5		µg/l		20.0		97	70-130		
Bromobenzene	19.4		µg/l		20.0		97	70-130		
Bromochloromethane	19.3		µg/l		20.0		96	70-130		
Bromodichloromethane	21.0		µg/l		20.0		105	70-130		
Bromoform	17.8		µg/l		20.0		89	70-130		
Bromomethane	20.8		µg/l		20.0		104	40-167		
2-Butanone (MEK)	19.4		µg/l		20.0		97	57.7-141		
n-Butylbenzene	17.6		µg/l		20.0		88	70-130		
sec-Butylbenzene	18.3		µg/l		20.0		91	70-130		
tert-Butylbenzene	17.8		µg/l		20.0		89	70-130		
Carbon disulfide	17.8		µg/l		20.0		89	70-130		
Carbon tetrachloride	21.1		µg/l		20.0		105	70-130		
Chlorobenzene	19.4		µg/l		20.0		97	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070768 - SW846 5030 Water MS										
LCS (9070768-BS1)										
Prepared & Analyzed: 13-Jul-09										
Chloroethane	18.4		µg/l		20.0		92	65.1-130		
Chloroform	18.1		µg/l		20.0		91	70-130		
Chloromethane	18.6		µg/l		20.0		93	70-130		
2-Chlorotoluene	21.6		µg/l		20.0		108	70-130		
4-Chlorotoluene	21.2		µg/l		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	19.4		µg/l		20.0		97	70-130		
Dibromochloromethane	17.2		µg/l		20.0		86	55.6-155		
1,2-Dibromoethane (EDB)	20.9		µg/l		20.0		105	70-130		
Dibromomethane	19.8		µg/l		20.0		99	70-130		
1,2-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,3-Dichlorobenzene	21.1		µg/l		20.0		105	70-130		
1,4-Dichlorobenzene	19.4		µg/l		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	16.1		µg/l		20.0		80	45.8-135		
1,1-Dichloroethane	19.7		µg/l		20.0		98	70-130		
1,2-Dichloroethane	19.5		µg/l		20.0		97	70-130		
1,1-Dichloroethene	19.0		µg/l		20.0		95	70-130		
cis-1,2-Dichloroethene	21.1		µg/l		20.0		106	70-130		
trans-1,2-Dichloroethene	18.2		µg/l		20.0		91	70-130		
1,2-Dichloropropane	19.7		µg/l		20.0		98	70-130		
1,3-Dichloropropane	20.0		µg/l		20.0		100	70-130		
2,2-Dichloropropane	21.2		µg/l		20.0		106	70-130		
1,1-Dichloropropene	19.4		µg/l		20.0		97	70-130		
cis-1,3-Dichloropropene	17.4		µg/l		20.0		87	70-130		
trans-1,3-Dichloropropene	17.2		µg/l		20.0		86	70-130		
Ethylbenzene	20.0		µg/l		20.0		100	70-130		
Hexachlorobutadiene	17.2		µg/l		20.0		86	63.3-141		
2-Hexanone (MBK)	17.5		µg/l		20.0		88	70-130		
Isopropylbenzene	17.6		µg/l		20.0		88	70-130		
4-Isopropyltoluene	18.3		µg/l		20.0		91	70-130		
Methyl tert-butyl ether	20.8		µg/l		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/l		20.0		93	40-157		
Methylene chloride	17.8		µg/l		20.0		89	70-130		
Naphthalene	18.2		µg/l		20.0		91	70-130		
n-Propylbenzene	17.4		µg/l		20.0		87	70-130		
Styrene	17.4		µg/l		20.0		87	70-130		
1,1,1,2-Tetrachloroethane	22.5		µg/l		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	19.2		µg/l		20.0		96	70-130		
Tetrachloroethene	18.6		µg/l		20.0		93	70-130		
Toluene	19.1		µg/l		20.0		95	70-130		
1,2,3-Trichlorobenzene	18.3		µg/l		20.0		91	70-130		
1,2,4-Trichlorobenzene	17.6		µg/l		20.0		88	70-130		
1,3,5-Trichlorobenzene	19.5		µg/l		20.0		98	70-130		
1,1,1-Trichloroethane	19.9		µg/l		20.0		99	70-130		
1,1,2-Trichloroethane	20.8		µg/l		20.0		104	70-130		
Trichloroethene	18.1		µg/l		20.0		91	70-130		
Trichlorofluoromethane (Freon 11)	20.2		µg/l		20.0		101	61.9-167		
1,2,3-Trichloropropane	24.0		µg/l		20.0		120	70-130		
1,2,4-Trimethylbenzene	17.7		µg/l		20.0		88	70-130		
1,3,5-Trimethylbenzene	17.6		µg/l		20.0		88	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070768 - SW846 5030 Water MS										
LCS (9070768-BS1)										
Prepared & Analyzed: 13-Jul-09										
Vinyl chloride	26.0	CAL1	µg/l		20.0		130	70-130		
m,p-Xylene	37.3		µg/l		40.0		93	70-130		
o-Xylene	19.8		µg/l		20.0		99	70-130		
Tetrahydrofuran	19.4		µg/l		20.0		97	70-130		
Ethyl ether	20.1		µg/l		20.0		101	70-133		
Tert-amyl methyl ether	19.6		µg/l		20.0		98	70-130		
Ethyl tert-butyl ether	20.5		µg/l		20.0		102	70-130		
Di-isopropyl ether	19.3		µg/l		20.0		97	70-130		
Tert-Butanol / butyl alcohol	218		µg/l		200		109	70-130		
1,4-Dioxane	216		µg/l		200		108	50.6-156		
trans-1,4-Dichloro-2-butene	18.5		µg/l		20.0		93	70-130		
Ethanol	450		µg/l		400		112	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*53.0*		µg/l		*50.0*		*106*	*70-130*		
LCS Dup (9070768-BSD1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.7		µg/l		20.0		103	70-130	6	25
Acetone	21.2		µg/l		20.0		106	52.2-144	6	50
Acrylonitrile	21.4		µg/l		20.0		107	70-130	3	25
Benzene	18.2		µg/l		20.0		91	70-130	6	25
Bromobenzene	19.1		µg/l		20.0		95	70-130	2	25
Bromochloromethane	19.1		µg/l		20.0		95	70-130	1	25
Bromodichloromethane	20.0		µg/l		20.0		100	70-130	5	25
Bromoform	17.2		µg/l		20.0		86	70-130	3	25
Bromomethane	19.4		µg/l		20.0		97	40-167	7	50
2-Butanone (MEK)	20.0		µg/l		20.0		100	57.7-141	3	50
n-Butylbenzene	15.8		µg/l		20.0		79	70-130	11	25
sec-Butylbenzene	17.0		µg/l		20.0		85	70-130	7	25
tert-Butylbenzene	16.9		µg/l		20.0		84	70-130	5	25
Carbon disulfide	16.2		µg/l		20.0		81	70-130	10	25
Carbon tetrachloride	18.9		µg/l		20.0		95	70-130	11	25
Chlorobenzene	18.9		µg/l		20.0		94	70-130	3	25
Chloroethane	16.6		µg/l		20.0		83	65.1-130	10	50
Chloroform	17.4		µg/l		20.0		87	70-130	4	25
Chloromethane	16.8		µg/l		20.0		84	70-130	10	25
2-Chlorotoluene	20.0		µg/l		20.0		100	70-130	8	25
4-Chlorotoluene	19.8		µg/l		20.0		99	70-130	7	25
1,2-Dibromo-3-chloropropane	19.6		µg/l		20.0		98	70-130	1	25
Dibromochloromethane	16.8		µg/l		20.0		84	55.6-155	2	50
1,2-Dibromoethane (EDB)	20.7		µg/l		20.0		103	70-130	1	25
Dibromomethane	19.3		µg/l		20.0		96	70-130	2	25
1,2-Dichlorobenzene	19.8		µg/l		20.0		99	70-130	7	25
1,3-Dichlorobenzene	20.3		µg/l		20.0		101	70-130	4	25
1,4-Dichlorobenzene	18.3		µg/l		20.0		91	70-130	6	25
Dichlorodifluoromethane (Freon12)	14.6		µg/l		20.0		73	45.8-135	10	50
1,1-Dichloroethane	18.3		µg/l		20.0		91	70-130	7	25
1,2-Dichloroethane	18.7		µg/l		20.0		93	70-130	4	25
1,1-Dichloroethene	17.3		µg/l		20.0		86	70-130	10	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070768 - SW846 5030 Water MS										
LCS Dup (9070768-BSD1)										
Prepared & Analyzed: 13-Jul-09										
cis-1,2-Dichloroethene	19.6		µg/l		20.0		98	70-130	7	25
trans-1,2-Dichloroethene	16.9		µg/l		20.0		84	70-130	7	25
1,2-Dichloropropane	18.9		µg/l		20.0		95	70-130	4	25
1,3-Dichloropropane	19.5		µg/l		20.0		97	70-130	2	25
2,2-Dichloropropane	19.4		µg/l		20.0		97	70-130	9	25
1,1-Dichloropropene	18.0		µg/l		20.0		90	70-130	8	25
cis-1,3-Dichloropropene	16.4		µg/l		20.0		82	70-130	5	25
trans-1,3-Dichloropropene	16.5		µg/l		20.0		82	70-130	4	25
Ethylbenzene	18.6		µg/l		20.0		93	70-130	7	25
Hexachlorobutadiene	15.9		µg/l		20.0		80	63.3-141	8	50
2-Hexanone (MBK)	18.7		µg/l		20.0		94	70-130	7	25
Isopropylbenzene	16.3		µg/l		20.0		82	70-130	8	25
4-Isopropyltoluene	16.6		µg/l		20.0		83	70-130	10	25
Methyl tert-butyl ether	20.5		µg/l		20.0		103	70-130	1	25
4-Methyl-2-pentanone (MIBK)	18.6		µg/l		20.0		93	40-157	0.05	50
Methylene chloride	17.7		µg/l		20.0		89	70-130	0.5	25
Naphthalene	17.6		µg/l		20.0		88	70-130	3	25
n-Propylbenzene	16.2		µg/l		20.0		81	70-130	8	25
Styrene	16.4		µg/l		20.0		82	70-130	6	25
1,1,1,2-Tetrachloroethane	22.0		µg/l		20.0		110	70-130	2	25
1,1,2,2-Tetrachloroethane	19.2		µg/l		20.0		96	70-130	0.4	25
Tetrachloroethene	17.2		µg/l		20.0		86	70-130	7	25
Toluene	18.0		µg/l		20.0		90	70-130	6	25
1,2,3-Trichlorobenzene	17.0		µg/l		20.0		85	70-130	7	25
1,2,4-Trichlorobenzene	16.8		µg/l		20.0		84	70-130	4	25
1,3,5-Trichlorobenzene	18.1		µg/l		20.0		91	70-130	8	25
1,1,1-Trichloroethane	18.4		µg/l		20.0		92	70-130	8	25
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130	2	25
Trichloroethene	17.1		µg/l		20.0		86	70-130	6	25
Trichlorofluoromethane (Freon 11)	18.5		µg/l		20.0		93	61.9-167	8	50
1,2,3-Trichloropropane	23.9		µg/l		20.0		120	70-130	0.4	25
1,2,4-Trimethylbenzene	16.8		µg/l		20.0		84	70-130	5	25
1,3,5-Trimethylbenzene	16.6		µg/l		20.0		83	70-130	6	25
Vinyl chloride	23.9	CAL1	µg/l		20.0		120	70-130	8	25
m,p-Xylene	34.8		µg/l		40.0		87	70-130	7	25
o-Xylene	18.6		µg/l		20.0		93	70-130	6	25
Tetrahydrofuran	19.8		µg/l		20.0		99	70-130	2	25
Ethyl ether	19.4		µg/l		20.0		97	70-133	3	50
Tert-amyl methyl ether	19.2		µg/l		20.0		96	70-130	2	25
Ethyl tert-butyl ether	19.8		µg/l		20.0		99	70-130	3	25
Di-isopropyl ether	18.3		µg/l		20.0		92	70-130	5	25
Tert-Butanol / butyl alcohol	231		µg/l		200		115	70-130	6	25
1,4-Dioxane	220		µg/l		200		110	50.6-156	2	25
trans-1,4-Dichloro-2-butene	19.3		µg/l		20.0		96	70-130	4	25
Ethanol	455		µg/l		400		114	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*53.2*		µg/l		*50.0*		*106*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070796 - SW846 5035A Soil (low level)										
Blank (9070796-BLK1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070796 - SW846 5035A Soil (low level)										
Blank (9070796-BLK1)										
Prepared & Analyzed: 13-Jul-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*48.7*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*63.1*		µg/kg wet		*50.0*		*126*	*70-130*		
Surrogate: Dibromofluoromethane	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (9070796-BS1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.2	QM9	µg/kg wet		20.0		131	70-130		
Acetone	11.5		µg/kg wet		20.0		58	40-136		
Acrylonitrile	19.6		µg/kg wet		20.0		98	70-130		
Benzene	20.6		µg/kg wet		20.0		103	70-130		
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130		
Bromochloromethane	22.4		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	22.5		µg/kg wet		20.0		112	70-130		
Bromoform	23.4		µg/kg wet		20.0		117	70-130		
Bromomethane	23.7		µg/kg wet		20.0		119	61-151		
2-Butanone (MEK)	17.3		µg/kg wet		20.0		86	61.5-132		
n-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	23.7		µg/kg wet		20.0		119	70-130		
tert-Butylbenzene	22.9		µg/kg wet		20.0		114	70-130		
Carbon disulfide	22.0		µg/kg wet		20.0		110	70-130		
Carbon tetrachloride	23.8		µg/kg wet		20.0		119	70-130		
Chlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
Chloroethane	21.5		µg/kg wet		20.0		107	66-130		

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	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070796 - SW846 5035A Soil (low level)										
LCS (9070796-BS1)										
Prepared & Analyzed: 13-Jul-09										
Chloroform	21.9		µg/kg wet		20.0		109	70-130		
Chloromethane	19.4		µg/kg wet		20.0		97	70-130		
2-Chlorotoluene	22.5		µg/kg wet		20.0		112	70-130		
4-Chlorotoluene	21.5		µg/kg wet		20.0		107	70-130		
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130		
Dibromochloromethane	20.4		µg/kg wet		20.0		102	64.6-130		
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130		
Dibromomethane	21.3		µg/kg wet		20.0		107	70-130		
1,2-Dichlorobenzene	22.1		µg/kg wet		20.0		111	70-130		
1,3-Dichlorobenzene	23.7		µg/kg wet		20.0		119	70-130		
1,4-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
Dichlorodifluoromethane (Freon12)	20.5		µg/kg wet		20.0		103	51.9-130		
1,1-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichloroethane	21.3		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethene	23.1		µg/kg wet		20.0		115	70-130		
cis-1,2-Dichloroethene	22.8		µg/kg wet		20.0		114	70-130		
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130		
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloropropene	21.6		µg/kg wet		20.0		108	70-130		
cis-1,3-Dichloropropene	18.1		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	16.9		µg/kg wet		20.0		85	70-130		
Ethylbenzene	21.5		µg/kg wet		20.0		108	70-130		
Hexachlorobutadiene	21.8		µg/kg wet		20.0		109	70-133		
2-Hexanone (MBK)	14.7		µg/kg wet		20.0		74	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	22.1		µg/kg wet		20.0		111	70-130		
Methyl tert-butyl ether	15.0		µg/kg wet		20.0		75	70-130		
4-Methyl-2-pentanone (MIBK)	16.1		µg/kg wet		20.0		81	50.3-133		
Methylene chloride	21.5		µg/kg wet		20.0		108	70-130		
Naphthalene	14.8		µg/kg wet		20.0		74	70-130		
n-Propylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Styrene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	24.7		µg/kg wet		20.0		124	70-130		
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet		20.0		103	70-130		
Tetrachloroethene	21.1		µg/kg wet		20.0		105	70-130		
Toluene	20.1		µg/kg wet		20.0		100	70-130		
1,2,3-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	18.3		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
Trichloroethene	21.7		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	24.9		µg/kg wet		20.0		124	70-147		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Vinyl chloride	22.6		µg/kg wet		20.0		113	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070796 - SW846 5035A Soil (low level)										
LCS (9070796-BS1)										
Prepared & Analyzed: 13-Jul-09										
m,p-Xylene	43.3		µg/kg wet		40.0		108	70-130		
o-Xylene	22.5		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	16.5		µg/kg wet		20.0		82	70-130		
Ethyl ether	19.7		µg/kg wet		20.0		99	70-130		
Tert-amyl methyl ether	13.0	QC2	µg/kg wet		20.0		65	70-130		
Ethyl tert-butyl ether	12.7	QC2	µg/kg wet		20.0		63	70-130		
Di-isopropyl ether	17.2		µg/kg wet		20.0		86	70-130		
Tert-Butanol / butyl alcohol	151		µg/kg wet		200		76	70-130		
1,4-Dioxane	182		µg/kg wet		200		91	60-146		
trans-1,4-Dichloro-2-butene	18.6		µg/kg wet		20.0		93	70-130		
Ethanol	380		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (9070796-BSD1)										
Prepared & Analyzed: 13-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.9		µg/kg wet		20.0		129	70-130	1	25
Acetone	18.6		µg/kg wet		20.0		93	40-136	47	50
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130	0.9	25
Benzene	20.5		µg/kg wet		20.0		102	70-130	0.5	25
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130	1	25
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130	4	25
Bromodichloromethane	22.1		µg/kg wet		20.0		111	70-130	2	25
Bromoform	23.4		µg/kg wet		20.0		117	70-130	0.3	25
Bromomethane	24.4		µg/kg wet		20.0		122	61-151	3	50
2-Butanone (MEK)	18.6		µg/kg wet		20.0		93	61.5-132	8	50
n-Butylbenzene	21.1		µg/kg wet		20.0		105	70-130	0.8	25
sec-Butylbenzene	23.1		µg/kg wet		20.0		115	70-130	3	25
tert-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	0.09	25
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130	2	25
Carbon tetrachloride	24.6		µg/kg wet		20.0		123	70-130	3	25
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130	3	25
Chloroethane	22.0		µg/kg wet		20.0		110	66-130	3	50
Chloroform	21.5		µg/kg wet		20.0		108	70-130	2	25
Chloromethane	19.7		µg/kg wet		20.0		98	70-130	1	25
2-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130	4	25
4-Chlorotoluene	21.4		µg/kg wet		20.0		107	70-130	0.4	25
1,2-Dibromo-3-chloropropane	16.6		µg/kg wet		20.0		83	70-130	8	25
Dibromochloromethane	20.5		µg/kg wet		20.0		102	64.6-130	0.5	50
1,2-Dibromoethane (EDB)	18.5		µg/kg wet		20.0		92	70-130	9	25
Dibromomethane	20.7		µg/kg wet		20.0		104	70-130	3	25
1,2-Dichlorobenzene	22.2		µg/kg wet		20.0		111	70-130	0.5	25
1,3-Dichlorobenzene	23.5		µg/kg wet		20.0		118	70-130	0.9	25
1,4-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Dichlorodifluoromethane (Freon12)	21.0		µg/kg wet		20.0		105	51.9-130	2	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	0.9	25
1,2-Dichloroethane	21.2		µg/kg wet		20.0		106	70-130	0.8	25
1,1-Dichloroethene	22.3		µg/kg wet		20.0		111	70-130	3	25
cis-1,2-Dichloroethene	22.7		µg/kg wet		20.0		114	70-130	0.4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070796 - SW846 5035A Soil (low level)										
LCS Dup (9070796-BSD1)										
Prepared & Analyzed: 13-Jul-09										
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130	2	25
1,2-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130	0.8	25
1,3-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130	0.3	25
2,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	6	25
1,1-Dichloropropene	21.9		µg/kg wet		20.0		109	70-130	1	25
cis-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130	1	25
trans-1,3-Dichloropropene	16.5		µg/kg wet		20.0		83	70-130	3	25
Ethylbenzene	21.4		µg/kg wet		20.0		107	70-130	0.6	25
Hexachlorobutadiene	21.9		µg/kg wet		20.0		110	70-133	0.4	50
2-Hexanone (MBK)	14.2		µg/kg wet		20.0		71	70-130	4	25
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130	0.2	25
4-Isopropyltoluene	21.9		µg/kg wet		20.0		110	70-130	1	25
Methyl tert-butyl ether	15.6		µg/kg wet		20.0		78	70-130	4	25
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	50.3-133	6	50
Methylene chloride	21.3		µg/kg wet		20.0		106	70-130	1	25
Naphthalene	14.2		µg/kg wet		20.0		71	70-130	4	25
n-Propylbenzene	21.8		µg/kg wet		20.0		109	70-130	0.7	25
Styrene	20.7		µg/kg wet		20.0		103	70-130	0.4	25
1,1,1,2-Tetrachloroethane	23.5		µg/kg wet		20.0		117	70-130	5	25
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130	2	25
Tetrachloroethene	20.3		µg/kg wet		20.0		102	70-130	4	25
Toluene	20.0		µg/kg wet		20.0		100	70-130	0.6	25
1,2,3-Trichlorobenzene	18.3		µg/kg wet		20.0		92	70-130	7	25
1,2,4-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	5	25
1,3,5-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	0.3	25
1,1,1-Trichloroethane	21.1		µg/kg wet		20.0		106	70-130	0.9	25
1,1,2-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130	2	25
Trichloroethene	21.3		µg/kg wet		20.0		106	70-130	2	25
Trichlorofluoromethane (Freon 11)	24.7		µg/kg wet		20.0		124	70-147	0.6	50
1,2,3-Trichloropropane	21.3		µg/kg wet		20.0		107	70-130	2	25
1,2,4-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
1,3,5-Trimethylbenzene	21.1		µg/kg wet		20.0		106	70-130	1	25
Vinyl chloride	22.5		µg/kg wet		20.0		113	70-130	0.09	25
m,p-Xylene	42.6		µg/kg wet		40.0		106	70-130	2	25
o-Xylene	23.3		µg/kg wet		20.0		117	70-130	4	25
Tetrahydrofuran	17.1		µg/kg wet		20.0		85	70-130	3	25
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130	2	50
Tert-amyl methyl ether	11.0	QC2	µg/kg wet		20.0		55	70-130	17	25
Ethyl tert-butyl ether	12.6	QC2	µg/kg wet		20.0		63	70-130	0.3	25
Di-isopropyl ether	16.8		µg/kg wet		20.0		84	70-130	2	25
Tert-Butanol / butyl alcohol	155		µg/kg wet		200		78	70-130	2	25
1,4-Dioxane	212		µg/kg wet		200		106	60-146	15	25
trans-1,4-Dichloro-2-butene	17.4		µg/kg wet		20.0		87	70-130	7	25
Ethanol	400		µg/kg wet		400		100	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*53.4*		µg/kg wet		*50.0*		*107*	*70-130*		
Batch 9070863 - SW846 5035A Soil (low level)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070863 - SW846 5035A Soil (low level)										
Blank [9070863-BLK1]										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070863 - SW846 5035A Soil (low level)										
Blank (9070863-BLK1)										
Prepared & Analyzed: 14-Jul-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.6*		µg/kg wet		*50.0*		*123*	*70-130*		
Surrogate: Dibromofluoromethane	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (9070863-BS1)										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.2		µg/kg wet		20.0		126	70-130		
Acetone	11.7		µg/kg wet		20.0		58	40-136		
Acrylonitrile	20.4		µg/kg wet		20.0		102	70-130		
Benzene	19.8		µg/kg wet		20.0		99	70-130		
Bromobenzene	21.8		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromoform	21.7		µg/kg wet		20.0		109	70-130		
Bromomethane	23.1		µg/kg wet		20.0		115	61-151		
2-Butanone (MEK)	17.1		µg/kg wet		20.0		85	61.5-132		
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	23.3		µg/kg wet		20.0		117	70-130		
tert-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130		
Carbon disulfide	20.3		µg/kg wet		20.0		102	70-130		
Carbon tetrachloride	22.9		µg/kg wet		20.0		115	70-130		
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070863 - SW846 5035A Soil (low level)										
LCS (9070863-BS1)										
Prepared & Analyzed: 14-Jul-09										
Chloroethane	21.1		µg/kg wet		20.0		106	66-130		
Chloroform	21.0		µg/kg wet		20.0		105	70-130		
Chloromethane	18.8		µg/kg wet		20.0		94	70-130		
2-Chlorotoluene	22.5		µg/kg wet		20.0		113	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	16.0		µg/kg wet		20.0		80	70-130		
Dibromochloromethane	20.4		µg/kg wet		20.0		102	64.6-130		
1,2-Dibromoethane (EDB)	18.2		µg/kg wet		20.0		91	70-130		
Dibromomethane	20.3		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,3-Dichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,4-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	19.3		µg/kg wet		20.0		96	51.9-130		
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	21.1		µg/kg wet		20.0		106	70-130		
1,1-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130		
1,1-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
trans-1,3-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	21.3		µg/kg wet		20.0		107	70-133		
2-Hexanone (MBK)	14.0		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	15.1		µg/kg wet		20.0		76	70-130		
4-Methyl-2-pentanone (MIBK)	14.6		µg/kg wet		20.0		73	50.3-133		
Methylene chloride	21.5		µg/kg wet		20.0		107	70-130		
Naphthalene	14.7		µg/kg wet		20.0		73	70-130		
n-Propylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Styrene	19.8		µg/kg wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	20.1		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	21.0		µg/kg wet		20.0		105	70-130		
Toluene	19.3		µg/kg wet		20.0		96	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
Trichloroethene	20.4		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	24.3		µg/kg wet		20.0		122	70-147		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	20.1		µg/kg wet		20.0		101	70-130		
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070863 - SW846 5035A Soil (low level)										
LCS (9070863-BS1)										
Prepared & Analyzed: 14-Jul-09										
Vinyl chloride	22.0		µg/kg wet		20.0		110	70-130		
m,p-Xylene	42.2		µg/kg wet		40.0		105	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130		
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130		
Tert-amyl methyl ether	11.3	QC2	µg/kg wet		20.0		57	70-130		
Ethyl tert-butyl ether	12.3	QC2	µg/kg wet		20.0		62	70-130		
Di-isopropyl ether	16.5		µg/kg wet		20.0		82	70-130		
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130		
1,4-Dioxane	190		µg/kg wet		200		95	60-146		
trans-1,4-Dichloro-2-butene	20.2		µg/kg wet		20.0		101	70-130		
Ethanol	384		µg/kg wet		400		96	70-130		
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS Dup (9070863-BSD1)										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.7	QM9	µg/kg wet		20.0		143	70-130	13	25
Acetone	17.9		µg/kg wet		20.0		89	40-136	42	50
Acrylonitrile	19.5		µg/kg wet		20.0		98	70-130	4	25
Benzene	19.7		µg/kg wet		20.0		99	70-130	0.3	25
Bromobenzene	22.2		µg/kg wet		20.0		111	70-130	2	25
Bromochloromethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130	0.3	25
Bromoform	23.5		µg/kg wet		20.0		118	70-130	8	25
Bromomethane	23.0		µg/kg wet		20.0		115	61-151	0.09	50
2-Butanone (MEK)	16.4		µg/kg wet		20.0		82	61.5-132	4	50
n-Butylbenzene	24.9		µg/kg wet		20.0		124	70-130	19	25
sec-Butylbenzene	24.7		µg/kg wet		20.0		123	70-130	6	25
tert-Butylbenzene	22.9		µg/kg wet		20.0		115	70-130	3	25
Carbon disulfide	20.5		µg/kg wet		20.0		103	70-130	1	25
Carbon tetrachloride	23.4		µg/kg wet		20.0		117	70-130	2	25
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130	0.5	25
Chloroethane	21.0		µg/kg wet		20.0		105	66-130	0.7	50
Chloroform	20.8		µg/kg wet		20.0		104	70-130	1	25
Chloromethane	19.0		µg/kg wet		20.0		95	70-130	1	25
2-Chlorotoluene	22.8		µg/kg wet		20.0		114	70-130	1	25
4-Chlorotoluene	22.0		µg/kg wet		20.0		110	70-130	4	25
1,2-Dibromo-3-chloropropane	16.5		µg/kg wet		20.0		83	70-130	3	25
Dibromochloromethane	18.5		µg/kg wet		20.0		93	64.6-130	9	50
1,2-Dibromoethane (EDB)	17.7		µg/kg wet		20.0		88	70-130	3	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	0.5	25
1,2-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	1	25
1,3-Dichlorobenzene	24.4		µg/kg wet		20.0		122	70-130	4	25
1,4-Dichlorobenzene	23.0		µg/kg wet		20.0		115	70-130	6	25
Dichlorodifluoromethane (Freon12)	21.4		µg/kg wet		20.0		107	51.9-130	10	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	0.6	25
1,2-Dichloroethane	21.2		µg/kg wet		20.0		106	70-130	0.3	25
1,1-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070863 - SW846 5035A Soil (low level)										
LCS Dup (9070863-BSD1)										
Prepared & Analyzed: 14-Jul-09										
cis-1,2-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130	1	25
trans-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	4	25
1,2-Dichloropropane	19.3		µg/kg wet		20.0		97	70-130	1	25
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	3	25
2,2-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130	0.2	25
1,1-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130	3	25
cis-1,3-Dichloropropene	17.1		µg/kg wet		20.0		85	70-130	2	25
trans-1,3-Dichloropropene	16.5		µg/kg wet		20.0		82	70-130	2	25
Ethylbenzene	22.2		µg/kg wet		20.0		111	70-130	6	25
Hexachlorobutadiene	25.1		µg/kg wet		20.0		126	70-133	16	50
2-Hexanone (MBK)	12.8	QM9	µg/kg wet		20.0		64	70-130	9	25
Isopropylbenzene	19.5		µg/kg wet		20.0		97	70-130	6	25
4-Isopropyltoluene	24.1		µg/kg wet		20.0		120	70-130	12	25
Methyl tert-butyl ether	14.5		µg/kg wet		20.0		73	70-130	4	25
4-Methyl-2-pentanone (MIBK)	11.7		µg/kg wet		20.0		58	50.3-133	22	50
Methylene chloride	20.8		µg/kg wet		20.0		104	70-130	3	25
Naphthalene	13.9	QM9	µg/kg wet		20.0		69	70-130	6	25
n-Propylbenzene	23.4		µg/kg wet		20.0		117	70-130	10	25
Styrene	21.2		µg/kg wet		20.0		106	70-130	7	25
1,1,1,2-Tetrachloroethane	22.6		µg/kg wet		20.0		113	70-130	2	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	3	25
Tetrachloroethene	22.4		µg/kg wet		20.0		112	70-130	6	25
Toluene	19.4		µg/kg wet		20.0		97	70-130	0.6	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	2	25
1,2,4-Trichlorobenzene	19.5		µg/kg wet		20.0		97	70-130	7	25
1,3,5-Trichlorobenzene	23.3		µg/kg wet		20.0		116	70-130	9	25
1,1,1-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130	3	25
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	2	25
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130	4	25
Trichlorofluoromethane (Freon 11)	24.8		µg/kg wet		20.0		124	70-147	2	50
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		109	70-130	0.6	25
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
Vinyl chloride	22.3		µg/kg wet		20.0		112	70-130	1	25
m,p-Xylene	46.1		µg/kg wet		40.0		115	70-130	9	25
o-Xylene	23.7		µg/kg wet		20.0		118	70-130	13	25
Tetrahydrofuran	16.3		µg/kg wet		20.0		81	70-130	0.7	25
Ethyl ether	17.8		µg/kg wet		20.0		89	70-130	9	50
Tert-amyl methyl ether	11.2	QC2	µg/kg wet		20.0		56	70-130	0.9	25
Ethyl tert-butyl ether	12.2	QC2	µg/kg wet		20.0		61	70-130	0.7	25
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130	0.5	25
Tert-Butanol / butyl alcohol	147		µg/kg wet		200		73	70-130	2	25
1,4-Dioxane	183		µg/kg wet		200		91	60-146	4	25
trans-1,4-Dichloro-2-butene	18.2		µg/kg wet		20.0		91	70-130	11	25
Ethanol	398		µg/kg wet		400		99	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070879 - SW846 5035A Soil (low level)										
Blank (9070879-BLK1)										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070879 - SW846 5035A Soil (low level)										
Blank (9070879-BLK1)										
Prepared & Analyzed: 14-Jul-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.8*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
LCS (9070879-BS1)										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.9	QM9	µg/kg wet		20.0		134	70-130		
Acetone	15.2		µg/kg wet		20.0		76	40-136		
Acrylonitrile	21.2		µg/kg wet		20.0		106	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.5		µg/kg wet		20.0		108	70-130		
Bromochloromethane	22.4		µg/kg wet		20.0		112	70-130		
Bromodichloromethane	22.0		µg/kg wet		20.0		110	70-130		
Bromoform	22.8		µg/kg wet		20.0		114	70-130		
Bromomethane	23.4		µg/kg wet		20.0		117	61-151		
2-Butanone (MEK)	21.0		µg/kg wet		20.0		105	61.5-132		
n-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
sec-Butylbenzene	23.7		µg/kg wet		20.0		118	70-130		
tert-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
Carbon disulfide	21.5		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	24.0		µg/kg wet		20.0		120	70-130		
Chlorobenzene	22.1		µg/kg wet		20.0		110	70-130		
Chloroethane	22.1		µg/kg wet		20.0		110	66-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070879 - SW846 5035A Soil (low level)										
LCS (9070879-BS1)										
Prepared & Analyzed: 14-Jul-09										
Chloroform	21.7		µg/kg wet		20.0		109	70-130		
Chloromethane	20.0		µg/kg wet		20.0		100	70-130		
2-Chlorotoluene	22.7		µg/kg wet		20.0		113	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	17.4		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	21.0		µg/kg wet		20.0		105	64.6-130		
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130		
Dibromomethane	21.4		µg/kg wet		20.0		107	70-130		
1,2-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
1,3-Dichlorobenzene	23.0		µg/kg wet		20.0		115	70-130		
1,4-Dichlorobenzene	21.3		µg/kg wet		20.0		107	70-130		
Dichlorodifluoromethane (Freon12)	20.8		µg/kg wet		20.0		104	51.9-130		
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,1-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130		
cis-1,2-Dichloroethene	22.1		µg/kg wet		20.0		111	70-130		
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloropropane	20.3		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130		
2,2-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130		
1,1-Dichloropropene	21.7		µg/kg wet		20.0		109	70-130		
cis-1,3-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130		
trans-1,3-Dichloropropene	16.6		µg/kg wet		20.0		83	70-130		
Ethylbenzene	21.5		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	70-133		
2-Hexanone (MBK)	15.5		µg/kg wet		20.0		77	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	15.4		µg/kg wet		20.0		77	70-130		
4-Methyl-2-pentanone (MIBK)	15.1		µg/kg wet		20.0		76	50.3-133		
Methylene chloride	21.4		µg/kg wet		20.0		107	70-130		
Naphthalene	14.5		µg/kg wet		20.0		73	70-130		
n-Propylbenzene	21.5		µg/kg wet		20.0		108	70-130		
Styrene	19.8		µg/kg wet		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	23.9		µg/kg wet		20.0		120	70-130		
1,1,2,2-Tetrachloroethane	20.1		µg/kg wet		20.0		100	70-130		
Tetrachloroethene	20.6		µg/kg wet		20.0		103	70-130		
Toluene	19.8		µg/kg wet		20.0		99	70-130		
1,2,3-Trichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	17.1		µg/kg wet		20.0		85	70-130		
1,3,5-Trichlorobenzene	20.1		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		97	70-130		
Trichloroethene	20.9		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	25.3		µg/kg wet		20.0		126	70-147		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		107	70-130		
Vinyl chloride	22.7		µg/kg wet		20.0		114	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070879 - SW846 5035A Soil (low level)										
LCS (9070879-BS1)										
Prepared & Analyzed: 14-Jul-09										
m,p-Xylene	43.0		µg/kg wet		40.0		108	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	17.9		µg/kg wet		20.0		90	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	11.7	QC2	µg/kg wet		20.0		58	70-130		
Ethyl tert-butyl ether	12.4	QC2	µg/kg wet		20.0		62	70-130		
Di-isopropyl ether	17.2		µg/kg wet		20.0		86	70-130		
Tert-Butanol / butyl alcohol	170		µg/kg wet		200		85	70-130		
1,4-Dioxane	199		µg/kg wet		200		99	60-146		
trans-1,4-Dichloro-2-butene	19.8		µg/kg wet		20.0		99	70-130		
Ethanol	451		µg/kg wet		400		113	70-130		
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (9070879-BSD1)										
Prepared & Analyzed: 14-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.1		µg/kg wet		20.0		125	70-130	7	25
Acetone	11.6		µg/kg wet		20.0		58	40-136	26	50
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130	7	25
Benzene	19.7		µg/kg wet		20.0		98	70-130	5	25
Bromobenzene	20.6		µg/kg wet		20.0		103	70-130	5	25
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130	4	25
Bromodichloromethane	21.5		µg/kg wet		20.0		107	70-130	2	25
Bromoform	20.6		µg/kg wet		20.0		103	70-130	10	25
Bromomethane	24.1		µg/kg wet		20.0		121	61-151	3	50
2-Butanone (MEK)	17.3		µg/kg wet		20.0		87	61.5-132	19	50
n-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	3	25
sec-Butylbenzene	22.5		µg/kg wet		20.0		112	70-130	5	25
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130	2	25
Carbon disulfide	21.2		µg/kg wet		20.0		106	70-130	2	25
Carbon tetrachloride	23.3		µg/kg wet		20.0		117	70-130	3	25
Chlorobenzene	21.3		µg/kg wet		20.0		107	70-130	3	25
Chloroethane	21.4		µg/kg wet		20.0		107	66-130	3	50
Chloroform	20.8		µg/kg wet		20.0		104	70-130	4	25
Chloromethane	18.8		µg/kg wet		20.0		94	70-130	6	25
2-Chlorotoluene	21.3		µg/kg wet		20.0		106	70-130	6	25
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,2-Dibromo-3-chloropropane	16.3		µg/kg wet		20.0		81	70-130	6	25
Dibromochloromethane	19.6		µg/kg wet		20.0		98	64.6-130	7	50
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130	4	25
Dibromomethane	20.3		µg/kg wet		20.0		101	70-130	5	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	4	25
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	2	25
1,4-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet		20.0		102	51.9-130	2	50
1,1-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	0.9	25
1,2-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130	5	25
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	7	25
cis-1,2-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130	1	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070879 - SW846 5035A Soil (low level)										
LCS Dup (9070879-BSD1)										
Prepared & Analyzed: 14-Jul-09										
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	5	25
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	8	25
1,3-Dichloropropane	18.5		µg/kg wet		20.0		92	70-130	7	25
2,2-Dichloropropane	16.5		µg/kg wet		20.0		83	70-130	4	25
1,1-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130	2	25
cis-1,3-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	5	25
trans-1,3-Dichloropropene	16.1		µg/kg wet		20.0		80	70-130	3	25
Ethylbenzene	20.7		µg/kg wet		20.0		104	70-130	4	25
Hexachlorobutadiene	21.1		µg/kg wet		20.0		106	70-133	5	50
2-Hexanone (MBK)	13.4	QM9	µg/kg wet		20.0		67	70-130	15	25
Isopropylbenzene	18.3		µg/kg wet		20.0		91	70-130	4	25
4-Isopropyltoluene	21.5		µg/kg wet		20.0		107	70-130	2	25
Methyl tert-butyl ether	14.5		µg/kg wet		20.0		72	70-130	6	25
4-Methyl-2-pentanone (MIBK)	14.5		µg/kg wet		20.0		72	50.3-133	4	50
Methylene chloride	21.6		µg/kg wet		20.0		108	70-130	0.7	25
Naphthalene	13.6	QM9	µg/kg wet		20.0		68	70-130	6	25
n-Propylbenzene	21.1		µg/kg wet		20.0		106	70-130	2	25
Styrene	20.1		µg/kg wet		20.0		101	70-130	2	25
1,1,1,2-Tetrachloroethane	22.9		µg/kg wet		20.0		115	70-130	4	25
1,1,2,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
Tetrachloroethene	20.7		µg/kg wet		20.0		103	70-130	0.3	25
Toluene	19.1		µg/kg wet		20.0		96	70-130	4	25
1,2,3-Trichlorobenzene	17.7		µg/kg wet		20.0		89	70-130	7	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	1	25
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,1,1-Trichloroethane	20.9		µg/kg wet		20.0		104	70-130	2	25
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	4	25
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130	1	25
Trichlorofluoromethane (Freon 11)	24.5		µg/kg wet		20.0		123	70-147	3	50
1,2,3-Trichloropropane	22.2		µg/kg wet		20.0		111	70-130	2	25
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130	8	25
1,3,5-Trimethylbenzene	20.5		µg/kg wet		20.0		102	70-130	4	25
Vinyl chloride	22.0		µg/kg wet		20.0		110	70-130	3	25
m,p-Xylene	40.7		µg/kg wet		40.0		102	70-130	6	25
o-Xylene	22.4		µg/kg wet		20.0		112	70-130	4	25
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130	13	25
Ethyl ether	19.0		µg/kg wet		20.0		95	70-130	2	50
Tert-amyl methyl ether	12.3	QC2	µg/kg wet		20.0		62	70-130	5	25
Ethyl tert-butyl ether	11.8	QC2	µg/kg wet		20.0		59	70-130	6	25
Di-isopropyl ether	16.5		µg/kg wet		20.0		82	70-130	4	25
Tert-Butanol / butyl alcohol	149		µg/kg wet		200		75	70-130	13	25
1,4-Dioxane	201		µg/kg wet		200		101	60-146	1	25
trans-1,4-Dichloro-2-butene	17.2		µg/kg wet		20.0		86	70-130	14	25
Ethanol	425		µg/kg wet		400		106	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Batch 9070985 - SW846 5035A Soil (low level)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070985 - SW846 5035A Soil (low level)										
Blank [9070985-BLK1]										
Prepared & Analyzed: 15-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070985 - SW846 5035A Soil (low level)										
Blank (9070985-BLK1)										
Prepared & Analyzed: 15-Jul-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.9*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: Dibromofluoromethane	*53.9*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (9070985-BS1)										
Prepared & Analyzed: 15-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.6		µg/kg wet		20.0		128	70-130		
Acetone	10.1		µg/kg wet		20.0		50	40-136		
Acrylonitrile	19.0		µg/kg wet		20.0		95	70-130		
Benzene	19.5		µg/kg wet		20.0		98	70-130		
Bromobenzene	20.5		µg/kg wet		20.0		102	70-130		
Bromochloromethane	21.7		µg/kg wet		20.0		108	70-130		
Bromodichloromethane	21.5		µg/kg wet		20.0		108	70-130		
Bromoform	22.2		µg/kg wet		20.0		111	70-130		
Bromomethane	23.2		µg/kg wet		20.0		116	61-151		
2-Butanone (MEK)	16.3		µg/kg wet		20.0		82	61.5-132		
n-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130		
sec-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130		
Carbon tetrachloride	23.4		µg/kg wet		20.0		117	70-130		
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070985 - SW846 5035A Soil (low level)										
LCS (9070985-BS1)										
Prepared & Analyzed: 15-Jul-09										
Chloroethane	20.7		µg/kg wet		20.0		103	66-130		
Chloroform	21.0		µg/kg wet		20.0		105	70-130		
Chloromethane	19.5		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	15.4		µg/kg wet		20.0		77	70-130		
Dibromochloromethane	18.7		µg/kg wet		20.0		94	64.6-130		
1,2-Dibromoethane (EDB)	18.6		µg/kg wet		20.0		93	70-130		
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		105	70-130		
1,3-Dichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,4-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	21.5		µg/kg wet		20.0		108	51.9-130		
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,1-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	21.8		µg/kg wet		20.0		109	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130		
1,3-Dichloropropane	18.5		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,1-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130		
cis-1,3-Dichloropropene	17.1		µg/kg wet		20.0		86	70-130		
trans-1,3-Dichloropropene	17.0		µg/kg wet		20.0		85	70-130		
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	22.0		µg/kg wet		20.0		110	70-133		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	17.9		µg/kg wet		20.0		89	70-130		
4-Isopropyltoluene	21.3		µg/kg wet		20.0		106	70-130		
Methyl tert-butyl ether	15.3		µg/kg wet		20.0		76	70-130		
4-Methyl-2-pentanone (MIBK)	14.1		µg/kg wet		20.0		71	50.3-133		
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130		
Naphthalene	14.7		µg/kg wet		20.0		74	70-130		
n-Propylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Styrene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1,2-Tetrachloroethane	21.9		µg/kg wet		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	18.9		µg/kg wet		20.0		95	70-130		
Tetrachloroethene	20.1		µg/kg wet		20.0		101	70-130		
Toluene	19.0		µg/kg wet		20.0		95	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	20.7		µg/kg wet		20.0		103	70-130		
1,1,1-Trichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,1,2-Trichloroethane	19.1		µg/kg wet		20.0		96	70-130		
Trichloroethene	20.4		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	24.2		µg/kg wet		20.0		121	70-147		
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	19.5		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.9		µg/kg wet		20.0		99	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070985 - SW846 5035A Soil (low level)										
LCS (9070985-BS1)										
Prepared & Analyzed: 15-Jul-09										
Vinyl chloride	22.3		µg/kg wet		20.0		112	70-130		
m,p-Xylene	40.1		µg/kg wet		40.0		100	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	14.5		µg/kg wet		20.0		73	70-130		
Ethyl tert-butyl ether	12.4	QC2	µg/kg wet		20.0		62	70-130		
Di-isopropyl ether	16.6		µg/kg wet		20.0		83	70-130		
Tert-Butanol / butyl alcohol	145		µg/kg wet		200		73	70-130		
1,4-Dioxane	229		µg/kg wet		200		114	60-146		
trans-1,4-Dichloro-2-butene	18.0		µg/kg wet		20.0		90	70-130		
Ethanol	407		µg/kg wet		400		102	70-130		
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS Dup (9070985-BSD1)										
Prepared & Analyzed: 15-Jul-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.2	QM9	µg/kg wet		20.0		131	70-130	2	25
Acetone	15.2		µg/kg wet		20.0		76	40-136	41	50
Acrylonitrile	20.7		µg/kg wet		20.0		104	70-130	9	25
Benzene	19.8		µg/kg wet		20.0		99	70-130	1	25
Bromobenzene	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromochloromethane	21.9		µg/kg wet		20.0		109	70-130	0.9	25
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130	0.5	25
Bromoform	23.4		µg/kg wet		20.0		117	70-130	6	25
Bromomethane	23.3		µg/kg wet		20.0		116	61-151	0.5	50
2-Butanone (MEK)	18.6		µg/kg wet		20.0		93	61.5-132	13	50
n-Butylbenzene	20.5		µg/kg wet		20.0		102	70-130	1	25
sec-Butylbenzene	23.1		µg/kg wet		20.0		115	70-130	4	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		110	70-130	2	25
Carbon disulfide	24.4		µg/kg wet		20.0		122	70-130	16	25
Carbon tetrachloride	23.3		µg/kg wet		20.0		116	70-130	0.7	25
Chlorobenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Chloroethane	21.1		µg/kg wet		20.0		105	66-130	2	50
Chloroform	21.1		µg/kg wet		20.0		106	70-130	0.5	25
Chloromethane	19.8		µg/kg wet		20.0		99	70-130	1	25
2-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130	4	25
4-Chlorotoluene	21.5		µg/kg wet		20.0		107	70-130	5	25
1,2-Dibromo-3-chloropropane	17.1		µg/kg wet		20.0		86	70-130	11	25
Dibromochloromethane	19.2		µg/kg wet		20.0		96	64.6-130	2	50
1,2-Dibromoethane (EDB)	18.5		µg/kg wet		20.0		92	70-130	0.9	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	2	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	0.05	25
1,3-Dichlorobenzene	22.9		µg/kg wet		20.0		115	70-130	0.4	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Dichlorodifluoromethane (Freon12)	22.0		µg/kg wet		20.0		110	51.9-130	2	50
1,1-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130	0.9	25
1,2-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130	1	25
1,1-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070985 - SW846 5035A Soil (low level)										
LCS Dup (9070985-BSD1)										
Prepared & Analyzed: 15-Jul-09										
cis-1,2-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130	2	25
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	0.5	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		99	70-130	4	25
1,3-Dichloropropane	19.5		µg/kg wet		20.0		98	70-130	5	25
2,2-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130	1	25
1,1-Dichloropropene	21.4		µg/kg wet		20.0		107	70-130	2	25
cis-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130	2	25
trans-1,3-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	1	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Hexachlorobutadiene	21.2		µg/kg wet		20.0		106	70-133	4	50
2-Hexanone (MBK)	14.3		µg/kg wet		20.0		72	70-130	0.6	25
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130	3	25
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130	0.4	25
Methyl tert-butyl ether	15.0		µg/kg wet		20.0		75	70-130	2	25
4-Methyl-2-pentanone (MIBK)	13.4		µg/kg wet		20.0		67	50.3-133	5	50
Methylene chloride	21.5		µg/kg wet		20.0		107	70-130	4	25
Naphthalene	13.4	QM9	µg/kg wet		20.0		67	70-130	9	25
n-Propylbenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
Styrene	20.2		µg/kg wet		20.0		101	70-130	5	25
1,1,1,2-Tetrachloroethane	22.1		µg/kg wet		20.0		110	70-130	1	25
1,1,2,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130	10	25
Tetrachloroethene	20.4		µg/kg wet		20.0		102	70-130	1	25
Toluene	19.2		µg/kg wet		20.0		96	70-130	0.7	25
1,2,3-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	9	25
1,2,4-Trichlorobenzene	15.7		µg/kg wet		20.0		78	70-130	15	25
1,3,5-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	6	25
1,1,1-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130	2	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130	2	25
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130	4	25
Trichlorofluoromethane (Freon 11)	24.1		µg/kg wet		20.0		121	70-147	0.2	50
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130	9	25
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,3,5-Trimethylbenzene	20.7		µg/kg wet		20.0		103	70-130	4	25
Vinyl chloride	22.3		µg/kg wet		20.0		112	70-130	0.09	25
m,p-Xylene	43.8		µg/kg wet		40.0		110	70-130	9	25
o-Xylene	22.8		µg/kg wet		20.0		114	70-130	9	25
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130	0.06	25
Ethyl ether	19.3		µg/kg wet		20.0		96	70-130	0.8	50
Tert-amyl methyl ether	11.9	QM9	µg/kg wet		20.0		60	70-130	20	25
Ethyl tert-butyl ether	12.5	QC2	µg/kg wet		20.0		63	70-130	0.8	25
Di-isopropyl ether	16.8		µg/kg wet		20.0		84	70-130	1	25
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130	3	25
1,4-Dioxane	227		µg/kg wet		200		113	60-146	0.9	25
trans-1,4-Dichloro-2-butene	18.7		µg/kg wet		20.0		93	70-130	4	25
Ethanol	402		µg/kg wet		400		100	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070939 - SW846 3545A										
Blank (9070939-BLK1)										
Prepared & Analyzed: 15-Jul-09										
Acenaphthene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
1-Methylnaphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Naphthalene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Surrogate: 2-Fluorobiphenyl	*2530*		µg/kg wet		*3330*		*76*	*30-130*		
Surrogate: Terphenyl-d14	*2510*		µg/kg wet		*3330*		*75*	*30-130*		
LCS (9070939-BS1)										
Prepared & Analyzed: 15-Jul-09										
Acenaphthene	2740		µg/kg wet	66.5	3330		82	40-140		
Acenaphthylene	2850		µg/kg wet	66.5	3330		85	40-140		
Anthracene	2980		µg/kg wet	66.5	3330		89	40-140		
Benzo (a) anthracene	2960		µg/kg wet	66.5	3330		89	40-140		
Benzo (a) pyrene	2920		µg/kg wet	66.5	3330		88	40-140		
Benzo (b) fluoranthene	2860		µg/kg wet	66.5	3330		86	40-140		
Benzo (g,h,i) perylene	3320		µg/kg wet	66.5	3330		100	40-140		
Benzo (k) fluoranthene	2770		µg/kg wet	66.5	3330		83	40-140		
Chrysene	2900		µg/kg wet	66.5	3330		87	40-140		
Dibenzo (a,h) anthracene	3240		µg/kg wet	66.5	3330		97	40-140		
Fluoranthene	2970		µg/kg wet	66.5	3330		89	40-140		
Fluorene	2840		µg/kg wet	66.5	3330		85	40-140		
Indeno (1,2,3-cd) pyrene	3290		µg/kg wet	66.5	3330		99	40-140		
1-Methylnaphthalene	2640		µg/kg wet	66.5	3330		79	40-140		
2-Methylnaphthalene	2750		µg/kg wet	66.5	3330		83	40-140		
Naphthalene	2740		µg/kg wet	66.5	3330		82	40-140		
Phenanthrene	2910		µg/kg wet	66.5	3330		87	40-140		
Pyrene	2890		µg/kg wet	66.5	3330		87	40-140		
Surrogate: 2-Fluorobiphenyl	*2590*		µg/kg wet		*3330*		*78*	*30-130*		
Surrogate: Terphenyl-d14	*2590*		µg/kg wet		*3330*		*78*	*30-130*		
Duplicate (9070939-DUP1)	**Source: SA97497-38**									
Prepared & Analyzed: 15-Jul-09										
Acenaphthene	BRL		µg/kg dry	73.2		BRL				50
Acenaphthylene	BRL		µg/kg dry	73.2		BRL				50
Anthracene	BRL		µg/kg dry	73.2		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	73.2		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	73.2		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070939 - SW846 3545A										
Duplicate (9070939-DUP1)	**Source: SA97497-38**									
Prepared & Analyzed: 15-Jul-09										
Benzo (b) fluoranthene	BRL		µg/kg dry	73.2		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	73.2		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	73.2		BRL				50
Chrysene	BRL		µg/kg dry	73.2		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	73.2		BRL				50
Fluoranthene	BRL		µg/kg dry	73.2		BRL				50
Fluorene	BRL		µg/kg dry	73.2		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	73.2		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	73.2		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	73.2		BRL				50
Naphthalene	BRL		µg/kg dry	73.2		BRL				50
Phenanthrene	BRL		µg/kg dry	73.2		BRL				50
Pyrene	BRL		µg/kg dry	73.2		BRL				50
Surrogate: 2-Fluorobiphenyl	*1430*		µg/kg dry		*3670*		*39*	*30-130*		
Surrogate: Terphenyl-d14	*1390*		µg/kg dry		*3670*		*38*	*30-130*		
Matrix Spike (9070939-MS1)	**Source: SA97497-38**									
Prepared & Analyzed: 15-Jul-09										
Acenaphthene	2840		µg/kg dry	74.5	3730	BRL	76	40-140		
Pyrene	2840		µg/kg dry	74.5	3730	BRL	76	40-140		
Surrogate: 2-Fluorobiphenyl	*2710*		µg/kg dry		*3730*		*73*	*30-130*		
Surrogate: Terphenyl-d14	*2640*		µg/kg dry		*3730*		*71*	*30-130*		
Matrix Spike Dup (9070939-MSD1)	**Source: SA97497-38**									
Prepared & Analyzed: 15-Jul-09										
Acenaphthene	3100		µg/kg dry	73.7	3700	BRL	84	40-140	10	30
Pyrene	3100		µg/kg dry	73.7	3700	BRL	84	40-140	10	30
Surrogate: 2-Fluorobiphenyl	*2770*		µg/kg dry		*3700*		*75*	*30-130*		
Surrogate: Terphenyl-d14	*2660*		µg/kg dry		*3700*		*72*	*30-130*		
Batch 9071301 - SW846 3545A										
Blank (9071301-BLK1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Acenaphthene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
1-Methylnaphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Naphthalene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Surrogate: 2-Fluorobiphenyl	*2610*		µg/kg wet		*3330*		*78*	*30-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071301 - SW846 3545A										
Blank (9071301-BLK1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Surrogate: Terphenyl-dl4	*2540*		µg/kg wet		*3330*		*76*	*30-130*		
LCS (9071301-BS1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Acenaphthene	2810		µg/kg wet	66.5	3330		84	40-140		
Acenaphthylene	2850		µg/kg wet	66.5	3330		85	40-140		
Anthracene	2860		µg/kg wet	66.5	3330		86	40-140		
Benzo (a) anthracene	2830		µg/kg wet	66.5	3330		85	40-140		
Benzo (a) pyrene	2810		µg/kg wet	66.5	3330		84	40-140		
Benzo (b) fluoranthene	2840		µg/kg wet	66.5	3330		85	40-140		
Benzo (g,h,i) perylene	2830		µg/kg wet	66.5	3330		85	40-140		
Benzo (k) fluoranthene	2720		µg/kg wet	66.5	3330		82	40-140		
Chrysene	2860		µg/kg wet	66.5	3330		86	40-140		
Dibenzo (a,h) anthracene	2880		µg/kg wet	66.5	3330		86	40-140		
Fluoranthene	2830		µg/kg wet	66.5	3330		85	40-140		
Fluorene	2830		µg/kg wet	66.5	3330		85	40-140		
Indeno (1,2,3-cd) pyrene	2920		µg/kg wet	66.5	3330		88	40-140		
1-Methylnaphthalene	2610		µg/kg wet	66.5	3330		78	40-140		
2-Methylnaphthalene	2700		µg/kg wet	66.5	3330		81	40-140		
Naphthalene	2670		µg/kg wet	66.5	3330		80	40-140		
Phenanthrene	2800		µg/kg wet	66.5	3330		84	40-140		
Pyrene	2810		µg/kg wet	66.5	3330		84	40-140		
Surrogate: 2-Fluorobiphenyl	*2550*		µg/kg wet		*3330*		*77*	*30-130*		
Surrogate: Terphenyl-dl4	*2440*		µg/kg wet		*3330*		*73*	*30-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070843 - SW846 3550B										
Blank (9070843-BLK1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*20.0*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.4*		µg/kg wet		*20.0*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.3*		µg/kg wet		*20.0*		*82*	*30-150*		
LCS (9070843-BS1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Aroclor-1016	204		µg/kg wet	20.0	250		82	50-140		
Aroclor-1016 [2C]	182		µg/kg wet	20.0	250		73	50-140		
Aroclor-1260	200		µg/kg wet	20.0	250		80	50-140		
Aroclor-1260 [2C]	180		µg/kg wet	20.0	250		72	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.4*		µg/kg wet		*20.0*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.9*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.7*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.9*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS Dup (9070843-BSD1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Aroclor-1016	206		µg/kg wet	20.0	250		82	50-140	0.7	30
Aroclor-1016 [2C]	186		µg/kg wet	20.0	250		74	50-140	2	30
Aroclor-1260	201		µg/kg wet	20.0	250		80	50-140	0.4	30
Aroclor-1260 [2C]	185		µg/kg wet	20.0	250		74	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.5*		µg/kg wet		*20.0*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070936 - SW846 3510C										
Blank (9070936-BLK1)										
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0263*		mg/l		*0.0500*		*53*	*50-150*		
LCS (9070936-BS1)										
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
C9-C36 Aliphatic Hydrocarbons	1.0		mg/l	0.05	1.40		72	60-120		
Surrogate: 1-Chlorooctadecane	*0.0255*		mg/l		*0.0500*		*51*	*50-150*		
Batch 9070937 - SW846 3545A										
Blank (9070937-BLK1)										
Prepared & Analyzed: 15-Jul-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.21*		mg/kg wet		*3.33*		*96*	*50-150*		
LCS (9070937-BS1)										
Prepared & Analyzed: 15-Jul-09										
C9-C36 Aliphatic Hydrocarbons	65.5		mg/kg wet	13.3	93.3		70	60-120		
Surrogate: 1-Chlorooctadecane	*2.68*		mg/kg wet		*3.33*		*80*	*50-150*		
Duplicate (9070937-DUP1)	**Source: SA97497-18**									
Prepared & Analyzed: 15-Jul-09										
Gasoline	BRL		mg/kg dry	29.1		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.1		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.1		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.1		BRL				50
Motor Oil	BRL		mg/kg dry	29.1		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.1		BRL				50
Unidentified	BRL		mg/kg dry	29.1		BRL				50
Other Oil	BRL		mg/kg dry	29.1		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.1		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.1		BRL				50
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg dry		*3.65*		*96*	*50-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070937 - SW846 3545A										
Matrix Spike (9070937-MS1)	**Source: SA97497-18**									
Prepared & Analyzed: 15-Jul-09										
C9-C36 Aliphatic Hydrocarbons	73.2		mg/kg dry	13.9	97.3	BRL	75	50-150		
Surrogate: 1-Chlorooctadecane	*3.02*		mg/kg dry		*3.47*		*87*	*50-150*		
Matrix Spike Dup (9070937-MSD1)	**Source: SA97497-18**									
Prepared & Analyzed: 15-Jul-09										
C9-C36 Aliphatic Hydrocarbons	69.2		mg/kg dry	14.3	100	BRL	69	50-150	8	30
Surrogate: 1-Chlorooctadecane	*2.85*		mg/kg dry		*3.57*		*80*	*50-150*		
Batch 9070938 - SW846 3545A										
Blank (9070938-BLK1)										
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.26*		mg/kg wet		*3.33*		*98*	*50-150*		
LCS (9070938-BS1)										
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
C9-C36 Aliphatic Hydrocarbons	82.3		mg/kg wet	13.3	93.3		88	60-120		
Surrogate: 1-Chlorooctadecane	*2.73*		mg/kg wet		*3.33*		*82*	*50-150*		
Duplicate (9070938-DUP1)	**Source: SA97497-38**									
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
Gasoline	BRL		mg/kg dry	29.3		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.3		BRL				50
Motor Oil	BRL		mg/kg dry	29.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.3		BRL				50
Unidentified	BRL		mg/kg dry	29.3		BRL				50
Other Oil	BRL		mg/kg dry	29.3		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.3		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.3		BRL				50
Surrogate: 1-Chlorooctadecane	*4.03*		mg/kg dry		*3.67*		*110*	*50-150*		
Matrix Spike (9070938-MS1)	**Source: SA97497-38**									
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
C9-C36 Aliphatic Hydrocarbons	87.5		mg/kg dry	14.6	103	BRL	85	50-150		
Surrogate: 1-Chlorooctadecane	*3.16*		mg/kg dry		*3.66*		*86*	*50-150*		
Matrix Spike Dup (9070938-MSD1)	**Source: SA97497-38**									
Prepared: 15-Jul-09 Analyzed: 16-Jul-09										
C9-C36 Aliphatic Hydrocarbons	96.4		mg/kg dry	14.8	104	BRL	93	50-150	9	30
Surrogate: 1-Chlorooctadecane	*3.60*		mg/kg dry		*3.70*		*97*	*50-150*		
Batch 9071298 - SW846 3545A										

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071298 - SW846 3545A										
Blank (9071298-BLK1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.98*		mg/kg wet		*3.33*		*89*	*50-150*		
LCS (9071298-BS1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
C9-C36 Aliphatic Hydrocarbons	90.6		mg/kg wet	13.3	93.3		97	60-120		
Surrogate: 1-Chlorooctadecane	*2.53*		mg/kg wet		*3.33*		*76*	*50-150*		
Batch 9071372 - SW846 3545A										
Blank (9071372-BLK1)										
Prepared: 21-Jul-09 Analyzed: 22-Jul-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.90*		mg/kg wet		*3.33*		*87*	*50-150*		
LCS (9071372-BS1)										
Prepared: 21-Jul-09 Analyzed: 22-Jul-09										
C9-C36 Aliphatic Hydrocarbons	80.4		mg/kg wet	13.3	93.3		86	60-120		
Surrogate: 1-Chlorooctadecane	*2.75*		mg/kg wet		*3.33*		*82*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070850 - SW846 3050B										
Blank (9070850-BLK1)										
Prepared: 14-Jul-09 Analyzed: 15-Jul-09										
Lead	BRL		mg/kg wet	1.42						
Arsenic	BRL		mg/kg wet	1.42						
Reference (9070850-SRM1)										
Prepared: 14-Jul-09 Analyzed: 16-Jul-09										
Lead	91.7		mg/kg wet	1.50	90.1		102	79.1-120.3		
Arsenic	78.2		mg/kg wet	1.50	82.7		94	81-118.4		
Reference (9070850-SRM2)										
Prepared: 14-Jul-09 Analyzed: 16-Jul-09										
Lead	87.0		mg/kg wet	1.50	89.2		98	79.1-120.3		
Arsenic	75.8		mg/kg wet	1.50	81.9		92	81-118.4		
Batch 9071236 - SW846 3050B										
Blank (9071236-BLK1)										
Prepared: 17-Jul-09 Analyzed: 20-Jul-09										
Lead	BRL		mg/kg wet	1.46						
Reference (9071236-SRM1)										
Prepared: 17-Jul-09 Analyzed: 21-Jul-09										
Lead	76.6		mg/kg wet	1.50	86.9		88	79.1-120.3		
Reference (9071236-SRM2)										
Prepared: 17-Jul-09 Analyzed: 21-Jul-09										
Lead	79.2		mg/kg wet	1.50	86.3		92	79.1-120.3		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071295 - SW846 3010A										
Blank (9071295-BLK1)										
Prepared & Analyzed: 21-Jul-09										
Lead	BRL		mg/l	0.0150						
LCS (9071295-BS1)										
Prepared & Analyzed: 21-Jul-09										
Lead	2.46		mg/l	0.0150	2.50		99	85-115		
LCS Dup (9071295-BSD1)										
Prepared & Analyzed: 21-Jul-09										
Lead	2.44		mg/l	0.0150	2.50		98	85-115	0.8	20

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9071297 - SW846 3010A										
Blank (9071297-BLK1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	BRL		mg/l	0.0150						
LCS (9071297-BS1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	2.20		mg/l	0.0150	2.50		88	85-115		
LCS Dup (9071297-BSD1)										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	2.44		mg/l	0.0150	2.50		98	85-115	11	20
Duplicate (9071297-DUP1) Source: SA97497-24										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	1.08	QR6	mg/l	0.0150		0.633			52	20
Matrix Spike (9071297-MS1) Source: SA97497-36										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	2.58		mg/l	0.0150	2.50	0.233	94	75-125		
Matrix Spike Dup (9071297-MSD1) Source: SA97497-36										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	2.51		mg/l	0.0150	2.50	0.233	91	75-125	3	20
Post Spike (9071297-PS1) Source: SA97497-36										
Prepared: 20-Jul-09 Analyzed: 21-Jul-09										
Lead	2.74		mg/l	0.0150	2.50	0.233	100	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9070709 - General Preparation										
Duplicate (9070709-DUP1) Source: SA97497-09										
Prepared & Analyzed: 10-Jul-09										
% Solids	92.2		%			91.1			1	20
Batch 9071226 - General Preparation										
Duplicate (9071226-DUP1) Source: SA97497-03										
Prepared & Analyzed: 17-Jul-09										
% Solids	76.9		%			79.3			3	20

Notes and Definitions

CAL1	Analyte quantified by quadratic equation type calibration.
CAL2	Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria
HDS	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
R01	The Reporting Limit has been raised to account for matrix interference.
SGC	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.

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 samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Kim Wisk
Nicole Leja

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: CT DOT Rt 4 Corridor - Farmington, CT	CT DOT Rt 4 Corridor - Farmington, CT/ 03-273-3E
This Form Provides certifications for the following data set: SA97497-02, SA97497-03, SA97497-05, SA97497-07, SA97497-09, SA97497-12, SA97497-14, SA97497-15, SA97497-16, SA97497-18, SA97497-20, SA97497-21, SA97497-23, SA97497-24, SA97497-25, SA97497-26, SA97497-27, SA97497-28, SA97497-29, SA97497-30, SA97497-31, SA97497-33, SA97497-35, SA97497-36, SA97497-37, SA97497-38, SA97497-41, SA97497-43, SA97497-44, SA97497-45, SA97497-46, SA97497-47, SA97497-48, SA97497-49, SA97497-50	List Specific Analytical Methods Used: +CT ETPH SM2540 G Mod. SW846 1311 SW846 1311/6010B SW846 1312 SW846 1312/6010B SW846 6010B SW846 8082 SW846 8260B SW846 8270C VOC Soil Extraction
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: 7/22/2009

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA

Client: Diversified Technology Consultants

Project Location: CT DOT Rt 4 Corridor - Farmington, CT

Project Number: 03-273-3E

Sampling Date(s):
08-Jul-09

Laboratory Sample ID(s):
SA97497-02 through SA97497-50

RCP Methods Used: +CT ETPH, SW846 1311, SW846 1311/6010B, SW846 1312, SW846 1312/6010B, SW846 6010B, SW846 8082, SW846 8260B, SW846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☐ Yes ☑ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 7/22/2009

SA97497 Fay

SPECTRUM ANALYTICAL, INC.
Featuring
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Keelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03 273-3E
Site Name: Conn DOT Rte 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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=DI H_2O 10=Ice 11=

List preservative code below: 10 | 8 | 10 | %

QA/QC Reporting Notes: (check as needed)

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

☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report

QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CT RSR

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	Total Pb						
97497-01	*B-1 (0-2)	7/8/09	1130	C	SO		1											* Please hold
02	B-1 (4-6.5)		1135	%		3	2			X	X							sample
03	*B-1 (8-10)		1140	C			2											
04	*B-1 (12-14)		1145	C			2											
05	B-1 (14-15.5)		1150	%			1					X						
06	*B-3 (0-2)		0845	C			1											
07	B-3 (4-6)		0850	%		3	1			X	X							
08	*B-4 (0-2)		1055	C			1											
09	B-4 (4-6)		1100	%		3	1			X	X							
10	*B-4 (6-7)	↓	1105	C	↓		1											

EDD Format: _____
☑ E-mail to chris.keelle@transdtc.com

Relinquished by:	Received by:	Date:	Time:
Jay P Klappholz	[illegible]	7/9/09	3:49 PM
[illegible]	[illegible]	7/9/09	17:15

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.5C (14C)

2.7°C

SA97497 CY

SPECTRUM ANALYTICAL, INC.
Featuring
IDEXUAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: Conn DOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H_2O 10= Ice 11=

List preservative code below: 10 7/4/10

QA/QC Reporting Notes: (checks as needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT EPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)							Containers / Analyses	QA/QC Reporting Notes
97497-11	*B-5(0-2.5)	7/8/09	0905	C	SO		1												* Please hold
12	B-5(4-6)		0910	G/C		3	1			X	X								Sample
13	*B-6(2-3)		1035	C			1												
14	B-6(4-4.5)		1040	G/C		3	1			X	X								
15	B-7(0-2)		1030	G/C		3	1				X								
16	B-9(0.5-2)		1000	G/C		3	1				X								
17	*B-10(0-2.25)		0925	C			1												
18	B-10(4-6)		0940	G/C		3	1			X	X								
19	*B-10(6-8)		0945	C			1												
20	*B-13(1-3)		1435	C			1												

EDD Format _____
☑ E-mail to chris.koelle@dtcandtc.com

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/9/09	3:49 PM
[signature]	[signature]	7/9/09	17:15

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.5C

SA 97497 - Em

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Boris Kerlie
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03 273 · 03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H_2O 10= 11=

List preservative code below: 10 | 9/6 | 10 | 10 | 10

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	EPH	VOC (8260)	PAHs (8270)	Total Pb + As	Total Pb				
97497-21	B-13(4-5.5)	7/8/09	1430	G/6	SO	3	2			X	X							* Reserved
22	B-14(1-3)		1440	C			2											Sample
23	B-14(4-5)		1445	G/6		3	2			X	X							
24	B-15(0.5-2)		1410	G/6		3	2			X	X	X	X					
25	B-15(2-3)		1415	C			2											
26	B-15(4-6)		1420	C			2											
27	B-15(6-7.5)		1425	G/6		3	2			X	X	X		X				
28	B-17(0.5-2.5)		1340	C			2											
29	B-17(4-6)		1345	G/6		3	2			X	X							
30	B-18(0.5-2)	↓	1310	C	↓		2											

EDD Format _____
☑ E-mail to chris.kerlie@handtc.com

Relinquished by:	Received by:	Date:	Time:
[signature] DTC	DTC [signature]	7/9/09	3:45PM
		7/9/09	17:15

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.5°C

SA97497 Ry

SPECTRUM ANALYTICAL, INC.
Formerly
HONIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

Special Handling: 5
☑ Standard TAT - ~~2 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: Conn DOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Kluppholz

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= DI H_2O 10= Ice 11= _____

List preservative code below: 10 10 10 10 1

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		ETPH	VOC (8260)	PAHs (8270)	Total Pb + As						Analyses
97497-31	B-18(2-3.25)	7/8/09	1315	G/C	SO	3	2				X	X	X	X						* Please hold
32	XB-18(4-6)		1320	C			2													Sample
33	B-18(6-7.5)		1325	G/C		3	2				X	X	X							
34	XB-18(8-10)		1330	C			2													
35	XB-19(0.5-2)		1240	C			2													
36	B-19(2-4)		1245	G/C		3	2				X	X	X	X						
37	XB-19(4-6)		1250	C			2													
38	B-19(6-7)		1255	G/C		3	2				X	X	X	X						
39	XB-19(8-10)		1300	C			2													
	~~XB-24(0-2)~~			~~C~~	~~V~~		~~1~~	~~4PK~~												

EDD Format _____
☑ E-mail to chris.koelle@teamdtc.com

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.8°C

Relinquished by:	Received by:	Date:	Time:
[signature]	DR	7/9/09	3:49PM
DR	[signature]	7/9/09	17:15

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 5

SA97497 DM

Special Handling: 5
☒ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: ________ RQN: 6310

Project No.: 03-273-03E
Site Name: Conn DOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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= DI H_2O 10=________ 11=________

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

List preservative code below: 10 | 3/10 | 10 | 10

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	PCBs	Total Pb
[illegible]	B-24(0-2)	7/8/09	0820	C	SO		1						
41	B-24(4-6)		0825	G/C		3	1			X	X	X	
42	B-24(6-8)		0830	C			1						
43	B-1/GW		1200	G	GW	2	1			X	X		
44	B-18/GW		1330	G	GW	2	1			X	X		
45	Dup-1		—	G/C	SO	3	2			X	X	X	
46	Dup-2		—	C	SO		1						X
47	Dup-3		—	G	GW	2	1			X	X		
48	TripBlank	7/8/09	—	—	SO	2					X		
49	TripBlank		—	—	GW	2					X		
50	Field Blank		1500	—						X	X		

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☒ Provide CT DPH RCP Report
QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other ________
State specific reporting standards: CT RSR

EDD Format
☐ E-mail to chris.koelle@teamdtc.com

Relinquished by:	Received by:	Date:	Time:
Jay P. Kling	DTC	7/8/09	3:45PM
DTC	[signature]	7/9/09	17:45

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 1.4°C

SA97497 Eh

SPECTRUM ANALYTICAL, INC.
Featuring:
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-3E
Site Name: ConnDOT Rte 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

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=DI H_2O 10=Ice 11=_____

List preservative code below: 10 | 9/10 | | | | | |

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP QAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		ETOH	VOC (8260)	Total Pb	PH					Analyses:	
97497-01	*B-1(0-2)	7/8/09	1130	C	SO		1													* Please hold sample
02	B-1(4-6.5)		1135	C/G		3	2				X	X								
03	*B-1(8-10)		1140	C			2				✓		+	+						
04	*B-1(12-14)		1145	C			2													
05	B-1(14-15.5)		1150	C/G			1						X							
06	*B-3(0-2)		0845	C			1													
07	B-3(4-6)		0850	C/G		3	1				X	X								
08	*B-4(0-2)		1055	C			1													ADDED
09	B-4(4-6)		1100	C/G		3	1				X	X								ANALYSIS
10	*B-4(6-7)	↓	1105	C	↓		1													

EDD Format _____
☑ E-mail to chris.koelle@trandtc.com

Relinquished by:	Received by:	Date:	Time:
Joy P Klapholz	[illegible]	7/9/09	3:49 PM
[illegible]	[illegible]	7/9/09	17:15

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.5C 14C 2.7°C

SA97497 CY

SPECTRUM ANALYTICAL, INC.
formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave.
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-9200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: Conn DOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klappholz

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_3$ 9= DI H_2O 10= Ice 11= _____

List preservative code below: 10 | 7/9/09

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☑ Standard ☐ No QC
☐ Other _____
State specific reporting standards: CT RSR

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	Pb	TPH						Containers / Analyses / Notes
9 [illegible] 11	*B-5(0-2.5)	7/8/09	0905	C	SO		1												* Please hold
12	B-5(4-6)		0910	C/G		3	1			X	X								sample
13	*B-6(2-3)		1035	C			1												
14	B-6(4-4.5)		1040	C/G		3	1			X	X								
15	B-7(0-2)		1020	C/G		3	1				X								
16	B-9(0.5-2)		1000	C/G		3	1				X								
17	*B-10(0-2.25)		0935	C			1												
18	B-10(4-6)		0940	C/G		3	1			X	X								ADDED ANALYSIS
19	*B-10(6-8)		0945	C			1												
20	*B-13(1-3)		1425	C			2			✓		✓	✓						

EDD Format _____
☑ E-mail to chris.koelle@tranmits.com

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	7/9/09	3:49 pm
[signature]	[signature]	7/9/09	17:15

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 19.5C (14C)

11 Almgren Drive, Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

SA 97497 Em

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: ConnDOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klapholz

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= DI H_2O 10= 11=

List preservative code below: 10 | 9/6 | 10 | 10/10

QA/QC Reporting Notes: (check as needed)

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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	PAHs (8270)	Total Pb, As	Total Pb	SPLP Pb		Containers / Analyses	QA/QC Reporting Notes
97497 21	B-13(4-5.5)	7/8/09	1430	c/6	SO	3	2			X	X							* Reserved
22	*B-14(1-3)		1440	C			2											Sample
23	B-14(4-5)		1445	c/6		3	2			X	X							
24	B-15(0.5-2)		1410	c/6		3	2			X	X	X	X		✓			
25	*B-15(2-3)		1415	C			2			✓		✓		✓	✓			
26	*B-15(4-6)		1420	C			2			✓		✓		✓				
27	B-15(6-7.5)		1425	c/6		3	2			X	X	X		X				
28	*B-17(0.5-2.5)		1340	C			2											ADDED 7/10/09 per client req
29	B-17(4-6)		1345	c/6		3	2			X	X							ANALYSIS
30	*B-18(0.5-2)		1310	C			2			✓				✓	✓			

EDD Format _____
☑ E-mail to chris.koelle@trandtc.com

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 11.5°C

Relinquished by:	Received by:	Date:	Time:
[signature] DTC	[signature] DTC	7/9/09	3:45PM
[signature]	[signature]	7/9/09	17:15

SA97497 Cy

SPECTRUM ANALYTICAL, INC.
Formerly:
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

Special Handling: 5
☑ 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: DTC
2321 Whitney Ave
Hamden, CT

Project Mgr.: Chris Koelle
Telephone #: 203-239-4200

Invoice To: DTC

P.O. No.: _____ RQN: 6310

Project No.: 03-273-03E
Site Name: Conn DOT Route 4 Corridor
Location: Farmington State: CT
Sampler(s): J. Klapholz

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= DI H2O 10= ICE 11= _____

List preservative code below: 10 | 7/10 | 10 | 10 | 1

QA/QC Reporting Notes: (check as needed)

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

☐ Provide MA DEP MCP CAM Report
☑ Provide CT DPH RCP Report
QA/QC Reporting Level: ☑ Standard ☐ No QC ☐ Other _____
State specific reporting standards: CT RSR

Lab Id	Sample Id	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH	VOC (8260)	PAHs (8270)	Total Pb RCRA	SPLP PAHs	TCLP PAHs	SPLP Pb	Containers / Analyses	Date	Time
97497-31	B-18(2-3.25)	7/8/09	1315	C/G	SO	3	2			X	X	X	X				* Please hold sample		
32	XB-18(4-6)		1320	C			2												
33	B-18(6-7.5)		1325	G		3	2			X	X	X							
34	XB-18(8-10)		1330	C			2												
35	XB-19(0.5-2)		1240	C			2			✓				✓		✓			
36	B-19(2-4)		1245	G		3	2			X	X	X	X	✓	✓				
37	XB-19(4-6)		1250	C			2			✓				✓		✓			
38	B-19(6-7)		1255	G		3	2			X	X	X	X				ADDED ANALYSIS	7/10 by Chris Koelle	
39	XB-19(8-10)		1300	C			2												
	~~XB-24(0-2)~~			~~C~~			~~1~~			SPKL									

EDD Format _____
☑ E-mail to chris.koelle@teamdtc.com

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 14.5C

Relinquished by:	Received by:	Date	Time
[signature]	DEC	7/9/09	8:45pm
[signature]	[signature]	7/9/09	17:15