TASK 210 Subsurface Site Investigation

New Britain to Hartford Busway
Flatbush Avenue Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

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

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ON-CALL ENVIRONMENTAL SERVICES
ConnDOT Project No. 171-305
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DTC Project No. 09-188-02E

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

SIGNATURE PAGE

TASK 210 SUBSURFACE SITE INVESTIGATION

NEW BRITAIN TO HARTFORD BUSWAY PROJECT

FLATBUSH WETLAND MITIGATION

INTERSTATE 84, INTERCHANGE 45

HARTFORD, CONNECTICUT

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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 association with the New Britain to Hartford Busway Project. The Task 210 SSI was limited to a proposed wetland mitigation area located adjacent to the Interstate 84 Flatbush Avenue On and Off Ramps (Interchange 45) in Hartford, Connecticut (Figure 1). ConnDOT is proposing to fill a portion of the site area with excess soil from the Busway project corridor located to the west of Interchange 45. This report provides a brief description and environmental history of the site, 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 site is owned by the State of Connecticut and comprises the undeveloped wetland area located adjacent to the eastern and western sides of the Interstate 84 Flatbush Avenue (Interchange 45) ramps.

The SSI included the advancement of fifteen soil borings in order to collect soil and groundwater grab samples, analysis of twenty soil samples and two groundwater samples, and analysis of a field blank water sample for Quality Assurance/Quality Control (QA/QC) purposes.

The purpose of this SSI is to evaluate current conditions at the site and to establish contaminant baseline concentrations before the wetland mitigation activities commence.

1.2 Previous Environmental Reports

No previously prepared environmental reports for the subject site were available for DTC's review and none are known to exist.

1.3 Scope of Work

DTC completed this Task 210 SSI in accordance with DTC's Task 210 Work Plan, dated June 25, 2010. The Task 210 SSI activities were designed based on the proposed activities for the property, as described above.

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

- Pre-drilling activities, including: (1) marking proposed drilling locations and (2) contacting Call-Before-You-Dig to request mark outs of publicly-owned utilities;
- Completion of six soil borings using a track-mounted Geoprobe® direct push drill-rig and the completion of nine soil borings using a portable/manual Geoprobe®;
- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of 20 soil samples for one or more of the following:
    - Volatile organic compounds (VOCs) by EPA Method 8260;
    - Extractable total petroleum hydrocarbons (ETPH) by Connecticut DEP method;
    - Chlorinated pesticides by EPA Method 8081;
    - Polychlorinated biphenyls (PCBs) by EPA Method 8082;
    - Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270;
    - Total metals (arsenic, cadmium, chromium, mercury, and lead); and

- Leachable metals (cadmium, chromium, and lead) by the Synthetic Precipitation Leaching Procedure (SPLP).

- Collection and laboratory analysis of two groundwater grab samples for VOCs by EPA Method 8260, petroleum hydrocarbons by ETPH, PAHs by EPA Method 8270, chlorinated pesticides by EPA Method 8081, PCBs by EPA Method 8082, total metals (arsenic, cadmium, chromium, mercury, and lead), and dissolved metals (arsenic and lead).

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the DEP's "Environmental GIS Data for Connecticut" (updated to August, 2010), the surficial deposits at the majority of the site consist of alluvium (a mixture of sands, silts, and gravels) overlying fine deposits (silts and clays). The surficial deposits in the eastern and western edges of the project site are depicted as fines.

Based on soil samples observed during the soil boring advancement activities, surficial materials at the site consist of fill and gravel underlain by silt. Boring logs are included as Appendix A.

2.2 Bedrock Geology

According to the "Bedrock Geology Map of Connecticut" (Rodgers, 1985), the site is described as underlain by Portland Arkose; a red-brown arkosic sandstone. No bedrock outcrops were observed at the site. During drilling activities, refusal on a red-brown siltstone/sandstone was encountered at depths ranging from 8 to 12 feet below grade. It is not known if the materials encountered were large cobbles or shallow bedrock.

2.3 Groundwater

The DEP "Environmental GIS Data for Connecticut" (updated to August, 2010) depicts the groundwater classification for the site area as "GB", which indicates that the site is located within a historically urbanized area or an area of intense industrial activity where a public water supply service is available. Such groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals, or land use impacts.

Based on the site's location (adjacent to the South Branch of the Park River), groundwater likely flows in a northeasterly direction. It should be noted that the groundwater flow direction may vary depending on season, precipitation, bedrock, and the presence of subsurface structures and impervious surfaces.

During drilling activities for this Task 210 SSI, the groundwater table beneath the site was encountered at approximately 8 to 10 feet below grade. However, once a temporary well was installed in a boring, the groundwater table stabilized to approximately 3 to 4 feet below grade in the tight, silty soil.

2.4 Surface Water

The South Branch of the Park River lies in the eastern portion of the project area. According to the above referenced DEP GIS data, the South Branch of the Park River is classified as a class "C/B" surface water body. Class "C/B" surface water is not considered suitable for one or more Class "B" uses, which include certain fish and wildlife habitat, industrial uses, and navigation, due to pollution.

2.5 Drinking Water Supply

The Metropolitan District Commission (MDC) provides public water service to the site area.

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the completion of fifteen soil borings and the collection and laboratory analysis of 20 soil samples and two groundwater samples.

DTC subcontracted Logical Environmental Solutions, LLC (LES) of Tolland, Connecticut to advance the soil borings using either a portable/manual Geoprobe® or a track-mounted Geoprobe® direct push drill rig depending upon accessibility. The subsurface exploration program was completed on July 1 and 2, 2010.

The locations of the soil borings are depicted on Figure 2.

Soil samples were analyzed for one or more of the following parameters: VOCs, ETPH, chlorinated pesticides, PCBs, PAHs, total metals (arsenic cadmium, chromium, mercury, and lead), and leachable metals (cadmium, chromium, and lead) by SPLP. The groundwater samples were analyzed for VOCs, ETPH, PAHs, chlorinated pesticides, PCBs, total metals (arsenic cadmium, chromium, mercury, and lead), and dissolved metals (arsenic and lead). Tables 1 and 2 provide a summary of the results of the laboratory analyses conducted on the soil and groundwater samples. The following sections summarize the field investigation and sampling methodologies used during this investigation.

3.1 Soil Boring Advancement and Sampling

Fifteen soil borings, identified as FSB-1 through FSB-15, were completed within the wetland mitigation area in the Interchange 45 corridor. Borings FSB-1 to FSB-4, FSB-7, and FSB-14 were advanced utilizing a track-mounted Geoprobe® rig to depths ranging from 8 to 12 feet below grade (until refusal). Borings FSB-5, FSB-6, FSB-8 to FSB-13, and FSB-15 were advanced to 4 feet below grade utilizing a portable/manual Geoprobe®. Continuous soil samples were obtained using a four-foot macro core sampling device with dedicated PVC sample cores. The macro core sample liner was opened along its long axis to allow inspection, description of lithology, and sampling of the soil core.

A representative portion of each 4-foot long soil core was immediately collected by the DTC field scientist field and screened 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 soil boring logs, which are included as Appendix A.

Twenty soil samples, including one duplicate soil sample, 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.

3.2 Groundwater Grab Sample Collection

Two groundwater grab samples, identified as FSB-1 GW and FSB-7 GW, were collected from two borings (FSB-1 and FSB-7) where sufficient groundwater was encountered for sampling. The groundwater grab samples were collected by temporarily installing ½-inch PVC screen into the open borehole. Dedicated polyethylene tubing was placed down the well screen and the groundwater was pumped to the surface utilizing a variable speed peristaltic pump with dedicated neoprene tubing. Prior to sampling, the well was purged at a low-flow volume rate until all visible sediment was removed from the temporary well. The groundwater was then pumped at a low-flow volume rate 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.

4.0 REGULATORY CRITERIA

The 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 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, specific numeric cleanup criteria, and processes for establishing alternative site-specific standards. 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 subject site is not currently regulated under any of these State statutes. However, DTC used the numeric criteria in the RSRs as guidelines to assess the site 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.

As the site is currently vacant, DTC compared the soil and groundwater analytical results to criteria that are applicable to a residential site located in an area with "GB" classified groundwater. In addition, DTC compared the concentrations of contaminants detected in the site groundwater to the limits listed in the DEP's General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water, Appendix A - Toxic and Hazardous Pollutants and their Maximum Concentrations.

4.1 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. For this site, the soil analytical results were compared 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 "GB" groundwater classification area, the GB PMC apply to soil located from the ground surface to the depth of the seasonal high water table.

4.2 Groundwater Criteria

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. Groundwater at the site likely discharges to the South Branch of the Park River. Therefore, DTC compared the groundwater analytical results to the SWPC.

Groundwater Volatilization Criteria (GWVC)

The GWVC are designed to protect human health from contaminants that may volatilize from contaminated groundwater into overlying buildings. For this site, the groundwater analytical results were compared to the RES GWVC.

Groundwater Remediation Wastewater Discharge Directly to Surface Water Permit Limits

The DEP has developed maximum concentrations for certain contaminants that can be discharged to a non-AA classified surface water body under the DEP General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water. Appendix A of the permit application outlines the maximum concentrations that are allowed if the Contractor submits a General Permit Registration to discharge potentially contaminated groundwater directly to surface water during the construction phase of the project.

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

Soil analytical results are summarized in Table 1, along with the regulatory criteria. The soil analytical laboratory reports are included in Appendix B. The soil analytical results are discussed below.

ETPH

All 20 soil samples were analyzed for petroleum hydrocarbons utilizing the ETPH method. Petroleum hydrocarbons were detected in the soil samples at concentrations ranging from Below Reporting Limits (BRL) to 815 parts per million (ppm). The FSB-14 (2-4') sample (815 ppm) and FSB-14 (4-8') sample (798 ppm) contained petroleum hydrocarbons at elevated concentrations that exceed the Residential DEC of 500 ppm. No other soil sample contained petroleum hydrocarbons at concentrations that exceed any applicable RSR criteria.

Volatile Organic Compounds (VOCs)

All 20 soil samples were analyzed for VOCs. Very low concentrations of the VOCs acetone, 2-butanone (MEK), trichloroethene, and toluene were detected in the soil samples collected from borings FSB-4, FSB-7, FSB-11, and FSB-14. However, none of the VOC concentrations detected exceed any applicable RSR criteria.

PAHs

All 20 soil samples were analyzed for PAHs. Varying concentrations of PAHs were detected in the soil samples throughout the project area. The FSB-14 (2-4') sample contained the PAHs benzo(a)anthracene (1.81 ppm), benzo(a)pyrene (2.29 ppm), benzo(b)fluoranthene (3.93 ppm), benzo(k)fluoranthene (5.21 ppm), chrysene (2.09 ppm), and indeno(1,2,3-cd)pyrene (1.26 ppm) at concentrations that exceed their respective Residential DEC, Commercial/Industrial DEC, and GB PMC. In addition, the FSB-14 (4-8') sample contained the PAHs benzo(a)anthracene (1.02 ppm), benzo(a)pyrene (1.32 ppm), benzo(b)fluoranthene (2.16 ppm), benzo(k)fluoranthene (2.86 ppm), and chrysene (1.2 ppm) at concentrations that exceed their respective Residential DEC, Commercial/Industrial DEC, and GB PMC. No other soil sample contained PAHs at concentrations that exceed any applicable RSR criteria.

Pesticides

All 20 soil samples were analyzed for pesticides. The FSB-12 (1-3') sample contained the pesticide dieldrin (0.00381 ppm) at a very low concentration that does not exceed any applicable RSR criteria. Pesticides were not detected in any other soil sample.

PCBs

All 20 soil samples were analyzed PCBs. The soil samples from borings FSB-5, FSB-6, FSB-8, FSB-12, FSB-14, and FSB-15 contained total PCBs at low concentrations ranging from 0.0143 ppm to 0.269 ppm. However, none of the PCB concentrations detected exceed any applicable RSR criteria.

Metals

All 20 soil samples were analyzed for total metals including arsenic, cadmium, chromium, mercury, and lead. The FSB-14 (2-4') sample contained total lead (1,000 ppm) at a concentration that exceeds the Residential DEC of 500 ppm. In addition the FSB-14 (4-8') sample contained total lead (775 ppm) and total chromium (895 ppm) at concentrations that exceed their respective Residential DEC. The total chromium concentration detected also exceeds the Commercial/Industrial DEC of 100 ppm. No other soil sample contained total metals at concentrations that exceed any applicable RSR criteria.

Based upon the results of the total metals analyses, selected soil samples were also analyzed for leachable cadmium, chromium, and lead. Leachable cadmium, chromium, and lead were not detected at concentrations that exceed any applicable RSR criteria.

5.2 Groundwater Sample Analytical Results

Two groundwater samples denoted as FSB-1 GW and FSB-7 GW were submitted for laboratory analysis for VOCs, ETPH, PAHs, chlorinated pesticides, PCBs, total metals (arsenic, cadmium, chromium, mercury, and lead), and dissolved metals (arsenic and lead). Groundwater analytical results are summarized in Table 2, along with the regulatory criteria. The groundwater laboratory analytical report is included as Appendix B. The groundwater analytical results are summarized below.

ETPH

Petroleum hydrocarbons were detected in the FSB-1 GW sample (2.2 ppm) and FSB-7 GW (10.0 ppm) groundwater samples. The petroleum hydrocarbon concentration detected in the FSB-7 GW sample exceeds the Groundwater Remediation Wastewater Discharge Directly to Surface Water general permit limit of 5.0 ppm.

Volatile Organic Compounds (VOCs) & Pesticides

VOCs and pesticides were not detected in the FSB-1 GW and FSB-7 GW samples.

PAHs

The FSB-1 GW sample contained low concentrations of various PAHs with the total PAH concentration of 2.293 parts per billion (ppb). None of the PAHs detected exceed any applicable RSR or permit criteria. The FSB-7 GW sample did not contain detectable PAH concentrations.

PCBs

The FSB-1 GW sample contained total PCBs at a concentration of 0.379 ppb. The PCB concentration does not exceed any applicable RSR criteria but exceeds the PCB Aroclor-1260 discharge permit limit of 0.00017 ppb and total PCB discharge limit of 0.1 ppb. The FSB-7 GW sample did not contain detectable PCB concentrations.

Metals

Total arsenic was detected in the FSB-1 GW (14.4 ppb) and FSB-7 GW (12.6 ppb) groundwater samples at concentrations that exceed both the SWPC of 4 ppb and the discharge permit limit of

0.021 ppb. Dissolved arsenic was detected in the FSB-7 GW sample (5.5 ppb) at a concentration that also exceeds these limits. Total lead was detected in the FSB-1 GW (39.6 ppb) and FSB-7 GW (25.5 ppb) groundwater samples at concentrations that exceed both the SWPC of 13 ppb and the discharge permit limit of 9.8 ppb.

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

Soil

As part of the QA/QC protocol, DTC submitted a duplicate soil sample (FSB-1 1'-3' DUP) for laboratory analysis. The results of the FSB-1 (1-3') and FSB-1 1'-3' DUP samples were comparable and within acceptable QA/QC ranges. In addition, DTC thoroughly reviewed the QA/QC report included with the laboratory analytical report to evaluate the reliability of the analytical data. Based on the information provided in the laboratory QA/QC report, the analytical data appears to be reliable. Please refer to the analytical report for a detailed narrative discussion of the reliability of the data.

Groundwater

A field blank was collected by DTC during drilling activities. The field blank was collected by pouring laboratory supplied de-ionized water through a clean macro core liner and cutting shoe and collecting the rinsate in the appropriate sample containers. The purpose of the field blank sample is to evaluate the potential for contaminants to be introduced by the drilling tools and equipment during drilling activities. The field blank sample (FB-1) was analyzed for VOCs, ETPH, PAHs, PCBs, chlorinated pesticides, and total metals (arsenic, cadmium, chromium, lead, and mercury). No contaminants were detected in the field blank sample, indicating that no contaminants were likely introduced during the drilling activities.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

As noted in Section 1.1, the purpose of this Task 210 SSI was to collect soil and groundwater samples, to use the soil and groundwater analytical data from the borings to evaluate current conditions at the site, and to establish contaminant baseline concentrations before the wetland mitigation activities are conducted.

The Task 210 SSI activities completed by DTC on July 1 and 2, 2010 included the completion of fifteen soil borings, and collection and laboratory analysis of 20 soil and two groundwater grab samples.

The soil samples collected as part of the Task 210 SSI were analyzed for the following: VOCs, ETPH, PAHs, chlorinated pesticides, PCBs, total metals (arsenic, cadmium, chromium, mercury, and lead), and leachable metals (cadmium, chromium, and lead) by SPLP. The groundwater samples were analyzed for VOCs, ETPH, PAHs, chlorinated pesticides, PCBs, total metals (arsenic, cadmium, chromium, mercury, and lead), and dissolved metals (arsenic and lead).

Based on the findings of this Task 210 SSI, DTC identified one Area of Environmental Concern (AOEC) for soil and a site-wide Groundwater Area of Environmental Concern (GWAOEC) where contaminants are present at concentrations that exceed CTDEP RSR criteria (Figure 3). In addition, due to the widespread presence of low concentrations of contaminants, the remaining project site would be considered a Low-Level Area of Environmental Concern (LLAOEC), where contaminants were detected at concentrations below applicable RSR criteria, but above laboratory detection limits.

The following summarizes the locations of the AOEC and GWAOEC within the project area.

Soil Area of Environmental Concern

AOEC #1: Boring FSB-14

The analytical results from the soil samples collected from boring FSB-14 indicate the presence of petroleum hydrocarbons, PAHs, total lead, and total chromium at elevated concentrations in soil ranging from 2 to 8 feet below grade. The contamination detected exceeds the GB PMC, Residential DEC, and Commercial/Industrial DEC.

Groundwater Area of Environmental Concern

The analytical results from the FSB-1 GW and FSB-7 GW groundwater samples indicate the presence of total arsenic, total lead, and dissolved arsenic at elevated concentrations that exceed the SWPC. In addition, the groundwater is also impacted with PCBs and petroleum hydrocarbons at concentrations that exceed the maximum allowable concentrations for the discharge of groundwater remediation wastewater to a surface water body. Therefore, any construction dewatering groundwater generated within the project site would be considered contaminated and must be pumped to approved containers for filtration or sediment settling, and sampled prior to discharge or disposal in accordance with applicable regulations and permit requirements. Active remediation of the groundwater at the site is not recommended due to the GB classification of the site and the availability of a public water supply.

6.2 Recommendations

DTC does not recommend additional soil or groundwater investigations at this time. The soil and groundwater results have established the current conditions at the site and established the baseline for contamination. If the wetland mitigation activities will involve the disturbance of soil and groundwater within the site area, DTC recommends that Task 310 Plans and Specifications be prepared to support the planned construction activities within the Area of Environmental Concern, Groundwater Area of Environmental Concern, and site-wide Low Level Area of Environmental Concern discussed above.

7.0 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.

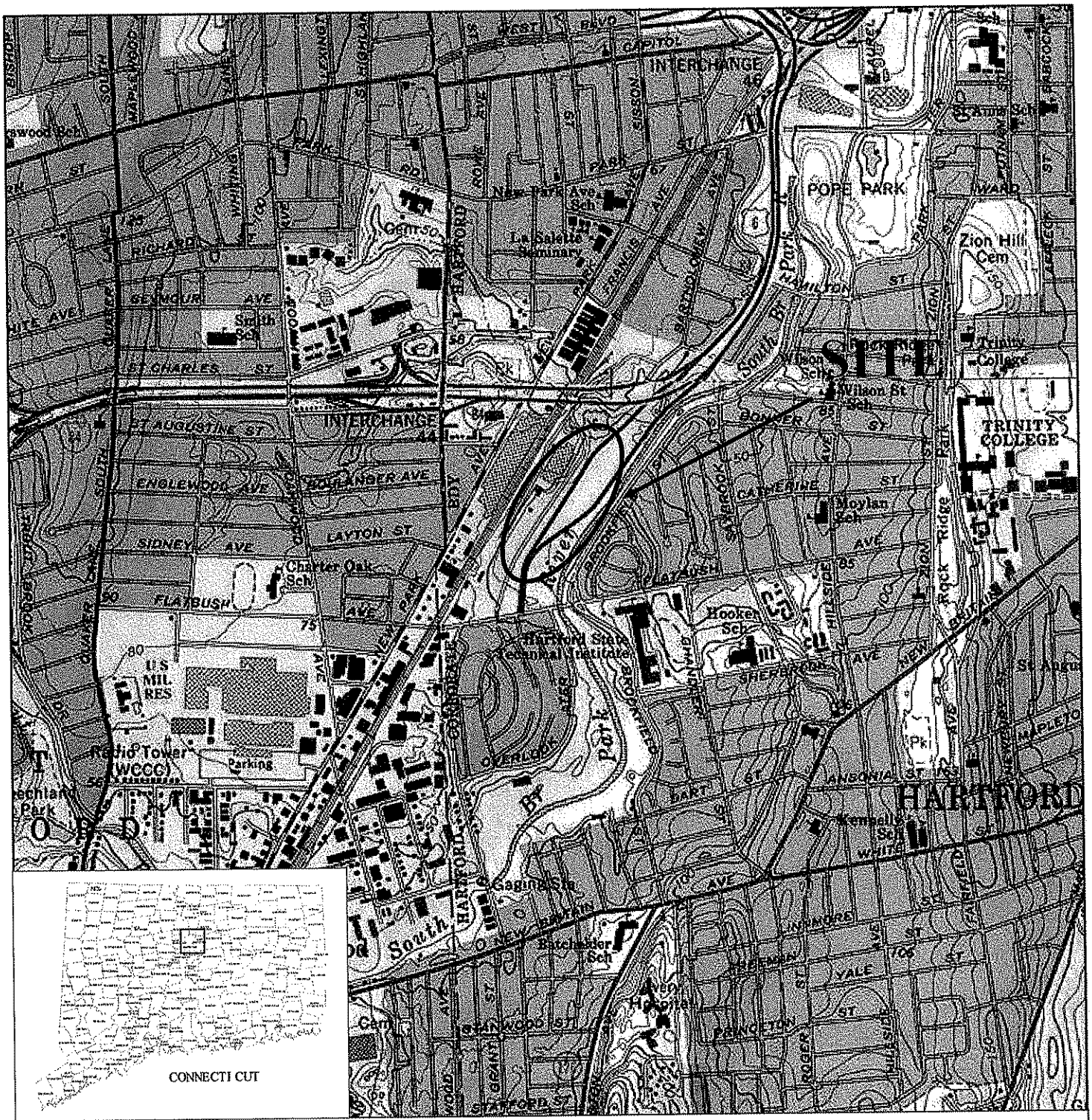
In completing this Task 210 SSI, DTC has relied upon information provided by subcontractors (i.e. laboratories and drilling contractors). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness of the information provided.

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.

8.0 REFERENCES

1. State of Connecticut Department of Environmental Protection (DEP), 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.
2. Connecticut Department of Environmental Protection (CTDEP), "Regulated Criteria Summary Table", CTDEP website, October 11, 2007.
3. DEP, "Environmental GIS Data", updated August 2010.
4. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2010.
5. Rogers, J. "Connecticut Bedrock and Natural History Survey", Connecticut Geological and Natural History Survey, Department of the Interior United States Geological Survey, 1985.

FIGURES



ConnDOT PROJECT No. 171-305
NEW BRITAIN TO HARTFORD BUSWAY
FLATBUSH AVENUE WETLAND MITIGATION
HARTFORD, CONNECTICUT

DTC Project No: 09-188-02E
September 2010

Hartford North Quadrangle No.37
1:24,000

Figure 1

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LEGEND

⊗ Soil Boring Location

◉ Soil Boring Location with GW Grab Sample

ON-CALL ENVIRONMENTAL SERVICES

ConnDOT Project No. 171-305

Assignment No. 304-4042

DTC Project No. 09-188-02E

FIGURE 2 - Task 210 Sampling Locations
New Britain to Hartford Busway Project
Flatbush Avenue Wetland Mitigation
Hartford, Connecticut

dtc

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LEGEND

⊗ Soil Boring Location

◉ Soil Boring Location with GW Grab Sample

ON-CALL ENVIRONMENTAL SERVICES

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Preliminary Soil AOEC: Vicinity of FSB-14

Preliminary Soil LLAEOC: Remainder of Project Area

Preliminary GWAOEC: Entire Project Area

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Figure 3 – Preliminary Areas of Environmental Concern
New Britain to Hartford Busway Project
Flatbush Avenue Wetland Mitigation
Hartford, Connecticut

TABLES

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D.:	FSB-1		FSB-2		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	1'-3'	1'-3' DUP	2'-4'	4'-8'		
CT ETPH - (ppm)	BRL	BRL	107	85.3	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
PAHs - Method 8270 (ppm)						
Fluoranthene	BRL	BRL	0.243	BRL	56 ppm	1,000/2,500 ppm
Pyrene	BRL	BRL	0.227	BRL	40 ppm	1,000/2,500 ppm
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total Metals – ppm					NE	
Arsenic	BRL	BRL	2.19	2.1		10/10 ppm
Cadmium	0.798	0.758	1.95	2.17		34/1,000 ppm
Chromium	22.8	23.2	36.7	40.6		100/100 ppm
Lead	8.7	7.51	33.3	36.2		500/1,000 ppm
Mercury	BRL	BRL	0.0781	0.0612		20/610 ppm
SPLP Metals – ppm						NE
Cadmium	NA	NA	BRL	BRL	0.05 ppm	
Chromium	BRL	0.0128	0.0281	BRL	0.5 ppm	
Lead	BRL	BRL	0.0232	BRL	0.15 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NA – Not Analyzed for this parameter

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D.:	FSB-3		FSB-4		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	4'-8'	2'-4'	4'-8'		
CT ETPH - (ppm)	135	140	331	246	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	BRL	BRL	BRL	0.295	140 ppm	500/1,000 ppm
2-Butanone (MEK)	BRL	BRL	BRL	0.112	80 ppm	500/1,000 ppm
PAHs - Method 8270 (ppm)						
Benzo(a)anthracene	BRL	BRL	0.327	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.192	BRL	0.318	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.196	BRL	0.291	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	0.177	BRL	0.314	BRL	1 ppm	8.4/78 ppm
Chrysene	0.181	BRL	0.333	BRL	1 ppm	84/780 ppm
Fluoranthene	0.251	0.221	0.702	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	BRL	BRL	0.361	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.24	0.237	0.686	BRL	40 ppm	1,000/2,500 ppm
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)					NE	
Aroclor-1254	BRL	BRL	0.409	0.333		1/10 ppm
Aroclor-1260	BRL	BRL	0.0607	0.0374		1/10 ppm
Total PCBs	BRL	BRL	0.4697	0.3704		1/10 ppm
Total Metals – ppm					NE	
Arsenic	3.35	1.45	3.55	4.63		10/10 ppm
Cadmium	3.67	2.31	3.25	2.34		34/1,000 ppm
Chromium	55.3	40.1	63.9	60.3		100/100 ppm
Lead	97.5	24.9	106	95.9		500/1,000 ppm
Mercury	0.122	BRL	0.1	0.0743		20/610 ppm
SPLP Metals – ppm						NE
Cadmium	BRL	BRL	BRL	BRL	0.05 ppm	
Chromium	0.0409	0.009	0.0072	0.0085	0.5 ppm	
Lead	0.041	BRL	0.0093	BRL	0.15 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D. Sample Depth:	FSB-5 1'-3'	FSB-6 1'-3'	FSB-7 2'-4'	FSB-8 1'-3'	PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
CT ETPH - (ppm)	231	195	BRL	203	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	BRL	BRL	0.115	BRL	140 ppm	500/1,000 ppm
PAHs - Method 8270 (ppm)		*		*		
Benzo(a)anthracene	0.18	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.159	0.137	BRL	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.228	0.256	BRL	0.311	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.34	BRL	0.412	1 ppm	8.4/78 ppm
Chrysene	BRL	BRL	BRL	0.153	1 ppm	84/780 ppm
Fluoranthene	0.4	0.218	BRL	0.242	56 ppm	1,000/2,500 ppm
Phenanthrene	0.153	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.305	BRL	BRL	0.257	40 ppm	1,000/2,500 ppm
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)					NE	
Aroclor-1260	0.0725	0.0541	BRL	0.0636		1/10 ppm
Total PCBs	0.0725	0.0541	BRL	0.0636		1/10 ppm
Total Metals – ppm					NE	
Arsenic	2.58	BRL	BRL	1.75		10/10 ppm
Cadmium	1.36	BRL	0.97	BRL		34/1,000 ppm
Chromium	36.9	17.3	28.9	21.1		100/100 ppm
Lead	87.2	72.0	11.0	98.1		500/1,000 ppm
Mercury	0.253	0.0786	BRL	0.0768		20/610 ppm
SPLP Metals – ppm						NE
Cadmium	BRL	NA	NA	NA	0.05 ppm	
Chromium	BRL	BRL	0.0126	BRL	0.5 ppm	
Lead	BRL	BRL	0.0122	BRL	0.15 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NA – Not Analyzed for this parameter

NE – None Established

* Spectrum performed a re-analysis of the sample for PAHs and the highest detected concentration is shown

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D.. / Sample Depth:	FSB-9 1'-3'	FSB-10 1'-3'	FSB-11 1'-3'	FSB-12 1'-3'	PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
CT ETPH - (ppm)	123	184	44.0	390	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Trichloroethene	BRL	BRL	0.112	BRL	1 ppm	56/520 ppm
PAHs - Method 8270 (ppm)				*		
Anthracene	BRL	BRL	BRL	0.237	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	0.182	BRL	0.246	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	0.18	BRL	0.274	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	0.17	BRL	0.477	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.213	BRL	0.633	1 ppm	8.4/78 ppm
Chrysene	BRL	0.224	BRL	0.278	1 ppm	84/780 ppm
Fluoranthene	0.215	0.371	BRL	0.508	56 ppm	1,000/2,500 ppm
Phenanthrene	BRL	0.243	BRL	0.257	40 ppm	1,000/2,500 ppm
Pyrene	0.213	0.368	BRL	0.532	40 ppm	1,000/2,500 ppm
Pesticides - Method 8081 (ppm)						
Dieldrin	BRL	BRL	BRL	0.00381	0.007 ppm	0.038/0.36 ppm
PCBs – Method 8082 (ppm)					NE	
Aroclor-1260	BRL	BRL	BRL	0.0143		1/10 ppm
Total PCBs	BRL	BRL	BRL	0.0143		1/10 ppm
Total Metals – ppm					NE	
Arsenic	1.81	BRL	2.21	2.6		10/10 ppm
Cadmium	1.75	1.33	3.06	0.76		34/1,000 ppm
Chromium	32.5	36.7	49.7	24.4		100/100 ppm
Lead	63.8	15.6	77.2	43.3		500/1,000 ppm
Mercury	0.0644	BRL	0.085	0.049		20/610 ppm
SPLP Metals – ppm						NE
Cadmium	BRL	BRL	BRL	NA	0.05 ppm	
Chromium	BRL	0.0136	0.0152	BRL	0.5 ppm	
Lead	BRL	0.0148	BRL	BRL	0.15 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NA – Not Analyzed for this parameter

NE – None Established

* Spectrum performed a re-analysis of the sample for PAHs and the highest detected concentration is shown

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D.:	FSB-13	FSB-14		FSB-15	PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	1'-3'	2'-4'	4'-8'	1'-3'		
CT ETPH - (ppm)	69.9	***815***	***798***	273	2,500 ppm	**500**/2,500 ppm
VOCs - Method 8260 (ppm)						
Toluene	BRL	BRL	0.0791	BRL	67 ppm	500/1,000 ppm
PAHs - Method 8270 (ppm)		*	*			
Anthracene	BRL	1.84	1.18	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	***1.81***	***1.02***	0.208	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	BRL	***2.29***	***1.32***	BRL	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	BRL	***3.93***	***2.16***	0.236	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	BRL	1.09	BRL	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BRL	***5.21***	***2.86***	0.206	**1 ppm**	8.4/78 ppm
Chrysene	BRL	***2.09***	***1.2***	0.22	**1 ppm**	84/780 ppm
Fluoranthene	BRL	4.19	2.28	0.442	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	***1.26***	BRL	BRL	**1 ppm**	1/7.8 ppm
Phenanthrene	BRL	1.94	1.04	BRL	40 ppm	1,000/2,500 ppm
Pyrene	BRL	4.46	2.44	0.395	40 ppm	1,000/2,500 ppm
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)					NE	
Aroclor-1248	BRL	0.0612	0.228	BRL		1/10 ppm
Aroclor-1260	BRL	0.121	0.041	0.0249		1/10 ppm
Total PCBs	BRL	0.1822	0.269	0.0249		1/10 ppm
Total Metals – ppm					NE	
Arsenic	BRL	3.55	6.71	BRL		10/10 ppm
Cadmium	1.49	1.44	1.66	1.66		34/1,000 ppm
Chromium	38.4	40.5	***895***	41.8		**100/100 ppm**
Lead	20.4	***1,000***	***775***	50.6		**500**/1,000 ppm
Mercury	BRL	0.0874	0.0862	BRL		20/610 ppm
SPLP Metals – ppm						NE
Cadmium	BRL	BRL	BRL	BRL	0.05 ppm	
Chromium	0.0354	BRL	BRL	0.04	0.5 ppm	
Lead	0.0279	BRL	BRL	0.0602	0.15 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NE – None Established

* Spectrum performed a re-analysis of the sample for PAHs and the highest detected concentration is shown

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 2 - Groundwater Sample Analytical Results
New Britain-Hartford Busway: Flatbush Wetland Mitigation
Interstate 84, Interchange 45
Hartford, Connecticut

Sample I.D.:	FSB-1 GW	FSB-7 GW	FB-1	SWPC	VC: Residential/Commercial & Industrial	Groundwater Discharge to Surface Water Permit Limits
CT ETPH (ppm)	2.2	***10.0***	BRL	NE	NE	**5.0 ppm**
VOCs - EPA Method 8260 (ppb)	BRL	BRL	BRL			
PAHs - EPA Method 8270 (ppb)					NE	
Anthracene	0.073	BRL	BRL	1,100,000 ppb		NE
Benzo(a)anthracene	0.159	BRL	BRL	0.3 ppb		0.49 ppb
Benzo(a)pyrene	0.134	BRL	BRL	0.3 ppb		0.49 ppb
Benzo(b)fluoranthene	0.122	BRL	BRL	0.3 ppb		NE
Benzo(g,h,i)perylene	0.207	BRL	BRL	NE		NE
Benzo(k)fluoranthene	0.122	BRL	BRL	0.3 ppb		0.49 ppb
Chrysene	0.146	BRL	BRL	NE		NE
Fluoranthene	0.268	BRL	BRL	3,700 ppb		NE
Fluorene	0.11	BRL	BRL	140,000 ppb		NE
Indeno(1,2,3-cd)pyrene	0.098	BRL	BRL	NE		0.49 ppb
1-Methylnapthalene	0.085	BRL	BRL	NE		NE
2-Methylnapthalene	0.098	BRL	BRL	NE		NE
Naphthalene	0.244	BRL	BRL	NE		NE
Phenanthrene	0.122	BRL	BRL	0.3 ppb		NE
Pyrene	0.305	BRL	BRL	110,000 ppb		NE
Total PAHs	2.293	BRL	BRL	NE		5.0 ppb
Pesticides - Method 8081 (ppb)	BRL	BRL	BRL			
PCBs – Method 8082 (ppb)						
Aroclor-1260	***0.379***	BRL	BRL	0.5 ppb	NE	**0.00017 ppb**
Total PCBs	***0.379***	BRL	BRL	0.5 ppb	NE	**0.1 ppb**
Total Metals – ppb					NE	
Arsenic	***14.4***	***12.6***	BRL	**4 ppb**		**0.021 ppb**
Cadmium	3.9	3.3	BRL	6 ppb		10 ppb
Chromium	43.8	41.7	BRL	NE		342 ppb
Lead	***39.6***	***25.5***	BRL	**13 ppb**		**9.8 ppb**
Mercury	BRL	BRL	BRL	0.4 ppb		1.0 ppb
Dissolved Metals - ppb			NA		NE	
Arsenic	BRL	***5.5***		**4 ppb**		**0.021 ppb**
Lead	BRL	BRL		13 ppb		9.8 ppb

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

NE – None Established

NA – Not Analyzed for this parameter

SWPC – Surface Water Protection Criteria

VC – Volatilization Criteria

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

APPENDIX A

Soil Boring Logs

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-15
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 – 4.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Organics (moist)	4.0	0.9	Macro Core 0'-4'
4.0 – 7.0		End of Boring at 4'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-12
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-1-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Cobble, Brick, (FILL)	2.0	1.0	Macro Core 0'-4'
2.0					
3.0		Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)	4.0		
4.0					
5.0		End of Boring at 4'			
6.0					
7.0					

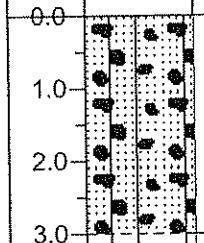
Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-14
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-1-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes



Depth (feet)	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0	Ground Surface	0.0		
1.0	Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand & Cobble		0.2	Macro Core 0'-2'
2.0				
3.0		3.0	1.5	Macro Core 2'-4'
4.0				
5.0	Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)			
6.0			1.4	Macro Core 4'-8'
7.0				
8.0		8.0		
9.0	Sampler Refusal at 8' on Red-Brown SILTSTONE			
10.0				
11.0				
12.0				
13.0				
14.0				
15.0				

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-13
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Organics (moist)		0.1	Macro Core 0'-4'
1.0					
2.0					
3.0					
4.0			4.0		
		End of Boring at 4'			
5.0					
6.0					
7.0					

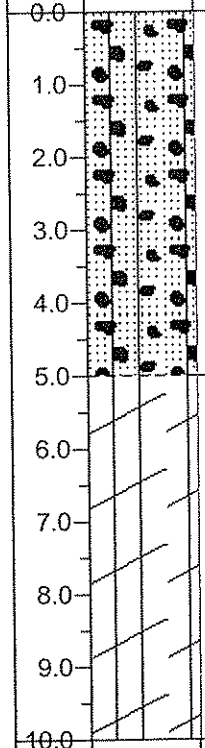
Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-1
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes



Depth (feet)	Description	Depth (feet)	PID (ppm)	Sample Interval
	Ground Surface	0.0		
0.0 – 5.0	Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand & Cobble		0.1	Macro Core 0'-2'
			0.3	Macro Core 2'-4'
5.0 – 10.0	Red-Brown dense Clayey SILT (moist, wet at 8')	5.0	0	Macro Core 4'-8'
			0	Macro Core 8'-10'
10.0	Refusal with Sampler and Pre-probe at 10' on Red-Brown SILTSTONE Groundwater Grab Sample Collected	10.0		

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Rig: Geoprobe 540U
Depth to Water: 8'
Boring Depth: 10'
Boring Dia.: 2"
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-11
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 – 4.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Organics (moist)	4.0	0.2	Macro Core 0'-4'
4.0 – 7.0		End of Boring at 4'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-10
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Organics (moist)		0.7	Macro Core 0'-4'
4.0		End of Boring at 4'	4.0		
5.0					
6.0					
7.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-9
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 – 4.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Organics (moist)	4.0	0.3	Macro Core 0'-4'
4.0 – 7.0		End of Boring at 4'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-8
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-1-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 – 2.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Cobble, Brick, (FILL)	2.0	0.7	Macro Core 0'-4'
2.0 – 4.0		Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)	4.0		
4.0		End of Boring at 4'			
5.0					
6.0					
7.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-7
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0 – 2.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Concrete, Brick, & Cobble (FILL)	2.0	0	Macro Core 0'-2'
2.0 – 4.0				0.4	Macro Core 2'-4'
4.0 – 8.0		Red-Brown dense Clayey SILT (moist, wet at 10')	12.0	0.1	Macro Core 4'-8'
12.0 – 15.0		Sampler Refusal at 8' on Red-Brown SILTSTONE Pre-Probed to 12' Groundwater Grab Sample Collected			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: 10'
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 12'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-6
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-1-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Cobble, Brick, (FILL)	2.0	0.5	Macro Core 0'-4'
2.0					
3.0		Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)	4.0		
4.0					
5.0		End of Boring at 4'			
6.0					
7.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-5
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-1-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Cobble, Brick, (FILL)	2.0	0.6	Macro Core 0'-4'
2.0					
3.0		Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)	4.0		
4.0					
5.0		End of Boring at 4'			
6.0					
7.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Manual Geoprobe
Boring Depth: 4'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-4
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0–3.0		Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand, Cobble, Brick, Porcelain, Concrete (FILL)		0.1	Macro Core 0'-2'
			3.0	0.7	Macro Core 2'-4'
3.0–8.0		Red-Brown Clayey SILT, trace fine Sand & Gravel (moist)		0.5	Macro Core 4'-8'
8.0			8.0		
8.0–15.0		Sampler Refusal at 8' on Red-Brown SILTSTONE			

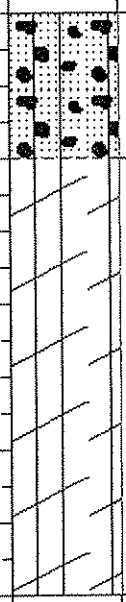
Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-3
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes



Depth (feet)	Description	Depth (feet)	PID (ppm)	Sample Interval
	Ground Surface	0.0		
0.0 – 2.0	Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand & Cobble	2.0	0.2	Macro Core 0'-2'
2.0 – 4.0	Red-Brown to Gray-Black Clayey SILT, trace fine Sand & Gravel & Organics (moist)		1.2	Macro Core 2'-4'
4.0 – 8.0		8.0	0.9	Macro Core 4'-8'
8.0 – 15.0	Sampler Refusal at 8' on Red-Brown SILTSTONE			

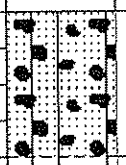
Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Flatbush Wetland Mitigation
Boring: FSB-2
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-2-10

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes



Depth (feet)	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0	Ground Surface	0.0		
1.0	Red-Brown compact, dry SILT, little fine to coarse Gravel, trace fine Sand & Cobble	2.0	0	Macro Core 0'-2'
3.0			0.6	Macro Core 2'-4'
5.0	Red-Brown to Gray-Black Clayey SILT, trace fine Sand & Gravel & Organics (moist)	8.0	0.4	Macro Core 4'-8'
9.0	Sampler Refusal at 8' on Red-Brown SILTSTONE			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

APPENDIX B

Soil & Groundwater Analytical Laboratory Report

Report Date:
23-Jul-10 15:25

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Attn: Cindy Knight

Project: Flatbush Wetland Mitigation - Hartford, CT
Project #: 171-305

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB14711-01	FSB-5 1'-3'	Soil	01-Jul-10 05:12	02-Jul-10 18:15
SB14711-02	FSB-6 1'-3'	Soil	01-Jul-10 05:23	02-Jul-10 18:15
SB14711-03	FSB-8 1'-3'	Soil	01-Jul-10 05:30	02-Jul-10 18:15
SB14711-04	FSB-12 1'-3'	Soil	01-Jul-10 05:42	02-Jul-10 18:15
SB14711-05	FSB-14 2'-4'	Soil	01-Jul-10 05:55	02-Jul-10 18:15
SB14711-06	FSB-14 4'-8'	Soil	01-Jul-10 06:19	02-Jul-10 18:15

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 72 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are 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 1.3 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 1.3 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.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 7/2/2010 at 18:15.

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.

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.

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.

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.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Additional dilution factors may be required to keep analyte concentration within instrument calibration.

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

+CT ETPH

Spikes:

1014436-MS1 *Source: SB14711-01*

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

C9-C36 Aliphatic Hydrocarbons

1014436-MSD1 *Source: SB14711-01*

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

C9-C36 Aliphatic Hydrocarbons

+CT ETPH

Duplicates:

1014436-DUP1 *Source: SB14711-01*

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

Samples:

SB14711-01 *FSB-5 1'-3'*

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

SB14711-02 *FSB-6 1'-3'*

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

SB14711-03 *FSB-8 1'-3'*

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

SB14711-04 *FSB-12 1'-3'*

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

SB14711-05 *FSB-14 2'-4'*

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

SB14711-06 *FSB-14 4'-8'*

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

SW846 1312/6010B

Duplicates:

1015310-DUP1 *Source: SB14711-06*

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.

Cadmium

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

Lead

SW846 6010B

Duplicates:

1014441-DUP1 *Source: SB14711-04*

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

Lead

SW846 8081A

Calibration:

S006196-CCV1

SW846 8081A

Calibration:

S006196-CCV1

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

Methoxychlor [2C]

S006196-CCV2

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

Methoxychlor [2C]

S006220-CCV1

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

Methoxychlor [2C]

Samples:

S006196-CCV1

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Methoxychlor [2C] (22.3%)

This affected the following samples:

1014369-BLK1
1014369-BS1
1014369-BSD1

S006196-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Methoxychlor [2C] (25.4%)

This affected the following samples:

1014369-BLK1
1014369-BS1
1014369-BSD1

SW846 8082

Spikes:

1014370-MS1 *Source: SB14711-01*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

SW846 8260B/C

Calibration:

1006021

SW846 8260B/C

Calibration:

1006021

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1014632-BLK1
1014632-BS1
1014632-BSD1
1014632-MS1
1014632-MSD1
FSB-14 2'-4'
FSB-14 4'-8'
FSB-8 1'-3'
S005069-ICV1
S006244-CCV1

1006023

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

1014382-BLK1
1014382-BS1
1014382-BSD1
1014495-BLK1
1014495-BS1
1014495-BSD1
FSB-12 1'-3'
FSB-5 1'-3'
FSB-6 1'-3'
S005098-ICV1
S006153-CCV1
S006189-CCV1

Laboratory Control Samples:

1014382 BS/BSD

Acetone percent recoveries (136/129) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FSB-12 1'-3'

1014495 BS/BSD

2-Butanone (MEK) percent recoveries (69/65) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-5 1'-3'
FSB-6 1'-3'

SW846 8260B/C

Laboratory Control Samples:

1014632 BS/BSD

4-Methyl-2-pentanone (MIBK) percent recoveries (129/134) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FSB-14 2'-4'
FSB-14 4'-8'
FSB-8 1'-3'

Spikes:

1014632-MS1 *Source: SB14711-03*

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

1,2-Dibromo-3-chloropropane
1,3-Dichlorobenzene
2-Chlorotoluene
4-Methyl-2-pentanone (MIBK)
Bromobenzene
Carbon disulfide
Tetrachloroethene
Vinyl chloride

1014632-MSD1 *Source: SB14711-03*

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

1,1,2-Trichloroethane
1,2,3-Trichloropropane
1,3-Dichlorobenzene
1,4-Dioxane
2-Chlorotoluene
4-Methyl-2-pentanone (MIBK)
Bromobenzene
Carbon disulfide
Tert-Butanol / butyl alcohol
Tetrachloroethene
Vinyl chloride

Samples:

S006153-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon disulfide (20.5%)
m,p-Xylene (20.5%)
n-Butylbenzene (23.1%)
n-Propylbenzene (21.0%)
o-Xylene (20.6%)
sec-Butylbenzene (22.8%)

This affected the following samples:

1014382-BLK1
1014382-BS1
1014382-BSD1
FSB-12 1'-3'

S006189-CCV1

SW846 8260B/C

Samples:

S006189-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-21.1%)

This affected the following samples:

1014495-BLK1
1014495-BS1
1014495-BSD1
FSB-5 1'-3'
FSB-6 1'-3'

S006244-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (22.5%)
Acetone (-20.4%)
Chloroethane (-20.3%)
Chloromethane (-35.2%)
Di-isopropyl ether (-20.4%)
Ethanol (-25.1%)
Tetrahydrofuran (-25.0%)
Vinyl chloride (-27.3%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

n-Butylbenzene (-27.4%)

This affected the following samples:

1014632-BLK1
1014632-BS1
1014632-BSD1
1014632-MS1
1014632-MSD1
FSB-14 2'-4'
FSB-14 4'-8'
FSB-8 1'-3'

SB14711-03 *FSB-8 1'-3'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB14711-05 *FSB-14 2'-4'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB14711-06 *FSB-14 4'-8'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SW846 8270C/D

Spikes:

1014438-MSD1 *Source: SB14711-01*

SW846 8270C/D

Spikes:

1014438-MSD1 *Source: SB14711-01*

Internal standard out due to matrix interference

Perylene-d12

1014438-MSD2 *Source: SB14711-01*

Internal standard out due to matrix interference

Perylene-d12

Samples:

SB14711-02 *FSB-6 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-02RE1 *FSB-6 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-03 *FSB-8 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-03RE1 *FSB-8 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-04 *FSB-12 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-04RE1 *FSB-12 1'-3'*

Internal standard out due to matrix interference

Perylene-d12

SB14711-05 *FSB-14 2'-4'*

Internal standard out due to matrix interference

Perylene-d12

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

SB14711-05RE1 *FSB-14 2'-4'*

Internal standard out due to matrix interference

Perylene-d12

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Terphenyl-dl4

SW846 8270C/D

Samples:

SB14711-05RE1 *FSB-14 2'-4'*

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

SB14711-06 *FSB-14 4'-8'*

Internal standard out due to matrix interference

Perylene-d12

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Terphenyl-dl4

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

SB14711-06RE1 *FSB-14 4'-8'*

Internal standard out due to matrix interference

Perylene-d12

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

Terphenyl-dl4

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-5 1'-3'	171-305	Soil	01-Jul-10 05:12	02-Jul-10
SB14711-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.13 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	57.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.8	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	5.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.8	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	5.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-5 1'-3'	171-305	Soil	01-Jul-10 05:12	02-Jul-10
SB14711-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.13 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.7	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.8	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	5.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.7	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	28.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2310	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*86*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	137	1	SW846 8270C/D	08-Jul-10	13-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-5 1'-3'	171-305	Soil	01-Jul-10 05:12	02-Jul-10
SB14711-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	137	1	SW846 8270C/D	08-Jul-10	13-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	180		µg/kg dry	137	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	159		µg/kg dry	137	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	228		µg/kg dry	137	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	257		µg/kg dry	137	1	"	"	"	"	"	X
218-01-9	Chrysene	228		µg/kg dry	137	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
206-44-0	Fluoranthene	400		µg/kg dry	137	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	137	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
85-01-8	Phenanthrene	153		µg/kg dry	137	1	"	"	"	"	"	X
129-00-0	Pyrene	305		µg/kg dry	137	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*99*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*96*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.65	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.25	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.65	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-5 1'-3'	171-305	Soil	01-Jul-10 05:12	02-Jul-10
SB14711-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
57-74-9	Chlordane	BRL		µg/kg dry	10.6	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.65	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*126*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.6	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	72.5		µg/kg dry	10.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	54.9	2	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	54.9	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	54.9	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	54.9	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	54.9	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	54.9	2	"	"	"	"	"	
	Unidentified	231		mg/kg dry	54.9	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	54.9	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	231		mg/kg dry	54.9	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	231		mg/kg dry	54.9	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*75*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.58		mg/kg dry	1.63	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	1.36		mg/kg dry	0.542	1	"	"	10-Jul-10	"	"	X
7440-47-3	Chromium	36.9		mg/kg dry	1.08	1	"	"	"	"	"	X
7439-97-6	Mercury	0.253		mg/kg dry	0.0311	1	SW846 7471A	"	10-Jul-10	HB	1014442	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-5 1'-3'	171-305	Soil	01-Jul-10 05:12	02-Jul-10
SB14711-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	87.2		mg/kg dry	1.63	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jul-10	19-Jul-10	DT	1015245	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	20-Jul-10	20-Jul-10	JB	1015310	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	21-Jul-10	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	20-Jul-10	"	"	
General Chemistry Parameters												
	% Solids	91.7		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-6 1'-3'	171-305	Soil	01-Jul-10 05:23	02-Jul-10
SB14711-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.14 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	54.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-6 1'-3'	171-305	Soil	01-Jul-10 05:23	02-Jul-10
SB14711-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds						Initial weight: 5.14 g						
Prepared by method SW846 5035A Soil (low level)												
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.9	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	110	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2200	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*86*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	135	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-6 1'-3'	171-305	Soil	01-Jul-10 05:23	02-Jul-10
SB14711-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	135	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	153		µg/kg dry	135	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
206-44-0	Fluoranthene	218		µg/kg dry	135	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
129-00-0	Pyrene	206		µg/kg dry	135	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*100*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*112*			*30-130 %*		"	"	"	"	"	
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	135	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	137		µg/kg dry	135	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	256		µg/kg dry	135	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	340		µg/kg dry	135	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
206-44-0	Fluoranthene	203		µg/kg dry	135	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	135	1	"	"	"	"	"	X
129-00-0	Pyrene	228		µg/kg dry	135	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*101*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*118*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-6 1'-3'	171-305	Soil	01-Jul-10 05:23	02-Jul-10
SB14711-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.62	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.19	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.62	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	52.4	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.62	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*133*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*141*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.5	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	54.1		µg/kg dry	10.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-6 1'-3'	171-305	Soil	01-Jul-10 05:23	02-Jul-10
SB14711-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	54.1	2	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	54.1	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	54.1	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	54.1	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	54.1	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	54.1	2	"	"	"	"	"	
	Unidentified	195		mg/kg dry	54.1	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	54.1	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	195		mg/kg dry	54.1	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	195		mg/kg dry	54.1	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.45	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.485	1	"	"	10-Jul-10	"	"	X
7440-47-3	Chromium	17.3		mg/kg dry	0.970	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0786		mg/kg dry	0.0292	1	SW846 7471A	"	10-Jul-10	HB	1014442	X
7439-92-1	Lead	72.0		mg/kg dry	1.45	1	SW846 6010B	"	10-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jul-10	19-Jul-10	DT	1015245	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	20-Jul-10	20-Jul-10	JB	1015310	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.0		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-8 1'-3'	171-305	Soil	01-Jul-10 05:30	02-Jul-10
SB14711-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.24 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	56.4	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
67-64-1	Acetone	BRL		µg/kg dry	564	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	113	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	564	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	113	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	113	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	113	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	113	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	113	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-8 1'-3'	171-305	Soil	01-Jul-10 05:30	02-Jul-10
SB14711-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 15.24 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	564	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	564	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	113	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	113	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	56.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	113	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	564	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1130	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	282	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	22600	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*124*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*86*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*79*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	136	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-8 1'-3'	171-305	Soil	01-Jul-10 05:30	02-Jul-10
SB14711-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	136	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	192		µg/kg dry	136	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	149		µg/kg dry	136	1	"	"	"	"	"	X
218-01-9	Chrysene	145		µg/kg dry	136	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
206-44-0	Fluoranthene	239		µg/kg dry	136	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
129-00-0	Pyrene	219		µg/kg dry	136	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*94*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*107*			*30-130 %*		"	"	"	"	"	
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	136	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	311		µg/kg dry	136	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	412		µg/kg dry	136	1	"	"	"	"	"	X
218-01-9	Chrysene	153		µg/kg dry	136	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
206-44-0	Fluoranthene	242		µg/kg dry	136	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	136	1	"	"	"	"	"	X
129-00-0	Pyrene	257		µg/kg dry	136	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*93*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*116*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-8 1'-3'	171-305	Soil	01-Jul-10 05:30	02-Jul-10
SB14711-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.64	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.23	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.64	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.64	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*132*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.6	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	63.6		µg/kg dry	10.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	

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
FSB-8 1'-3'	171-305	Soil	01-Jul-10 05:30	02-Jul-10
SB14711-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	54.6	2	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	54.6	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	54.6	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	54.6	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	54.6	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	54.6	2	"	"	"	"	"	
	Unidentified	203		mg/kg dry	54.6	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	54.6	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	203		mg/kg dry	54.6	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	203		mg/kg dry	54.6	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*73*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.75		mg/kg dry	1.50	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.501	1	"	"	10-Jul-10	"	"	X
7440-47-3	Chromium	21.1		mg/kg dry	1.00	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0768		mg/kg dry	0.0314	1	SW846 7471A	"	10-Jul-10	HB	1014442	X
7439-92-1	Lead	98.1		mg/kg dry	1.50	1	SW846 6010B	"	10-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jul-10	19-Jul-10	DT	1015245	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	20-Jul-10	20-Jul-10	JB	1015310	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	93.3		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-12 1'-3'	171-305	Soil	01-Jul-10 05:42	02-Jul-10
SB14711-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.17 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.6	1	SW846 8260B/C	08-Jul-10	08-Jul-10	JRO	1014382	X
67-64-1	Acetone	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-12 1'-3'	171-305	Soil	01-Jul-10 05:42	02-Jul-10
SB14711-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds						Initial weight: 5.17 g						
Prepared by method SW846 5035A Soil (low level)												
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.7	1	SW846 8260B/C	08-Jul-10	08-Jul-10	JRO	1014382	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.6	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	131	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2630	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*83*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	153	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-12 1'-3'	171-305	Soil	01-Jul-10 05:42	02-Jul-10
SB14711-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	153	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	246		µg/kg dry	153	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	217		µg/kg dry	153	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	260		µg/kg dry	153	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	284		µg/kg dry	153	1	"	"	"	"	"	X
218-01-9	Chrysene	277		µg/kg dry	153	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
206-44-0	Fluoranthene	508		µg/kg dry	153	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
85-01-8	Phenanthrene	257		µg/kg dry	153	1	"	"	"	"	"	X
129-00-0	Pyrene	483		µg/kg dry	153	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*96*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*			*30-130 %*		"	"	"	"	"	
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	153	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
120-12-7	Anthracene	237		µg/kg dry	153	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	234		µg/kg dry	153	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	274		µg/kg dry	153	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	477		µg/kg dry	153	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	633		µg/kg dry	153	1	"	"	"	"	"	X
218-01-9	Chrysene	278		µg/kg dry	153	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
206-44-0	Fluoranthene	471		µg/kg dry	153	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
85-01-8	Phenanthrene	249		µg/kg dry	153	1	"	"	"	"	"	X
129-00-0	Pyrene	532		µg/kg dry	153	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*99*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-12 1'-3'	171-305	Soil	01-Jul-10 05:42	02-Jul-10
SB14711-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.89	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	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	3.81		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	4.62	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.62	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.62	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	57.8	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.89	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*147*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.6	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	14.3		µg/kg dry	11.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-12 1'-3'	171-305	Soil	01-Jul-10 05:42	02-Jul-10
SB1471I-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	153	5	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	153	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	153	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	153	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	153	5	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	153	5	"	"	"	"	"	
	Unidentified	390		mg/kg dry	153	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	153	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	390		mg/kg dry	153	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	390		mg/kg dry	153	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*67*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.60		mg/kg dry	1.74	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	0.760		mg/kg dry	0.580	1	"	"	11-Jul-10	"	"	X
7440-47-3	Chromium	24.4		mg/kg dry	1.16	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0490		mg/kg dry	0.0313	1	SW846 7471A	"	10-Jul-10	HB	1014442	X
7439-92-1	Lead	43.3		mg/kg dry	1.74	1	SW846 6010B	"	11-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	19-Jul-10	19-Jul-10	DT	1015245	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	20-Jul-10	20-Jul-10	JB	1015310	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	85.0		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 2'-4'	171-305	Soil	01-Jul-10 05:55	02-Jul-10
SB14711-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
	Volatile Organic Compounds		VOC8									
	Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.8 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	73.4	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
67-64-1	Acetone	BRL		µg/kg dry	734	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	734	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	147	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	147	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 2'-4'	171-305	Soil	01-Jul-10 05:55	02-Jul-10
SB14711-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.8 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	734	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	734	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	147	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	147	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	147	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	734	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1470	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	367	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	29400	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*120*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*87*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*79*			*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	814	5	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 2'-4'	171-305	Soil	01-Jul-10 05:55	02-Jul-10
SB14711-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	814	5	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,810		µg/kg dry	814	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,890		µg/kg dry	814	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,050		µg/kg dry	814	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	996		µg/kg dry	814	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,370		µg/kg dry	814	5	"	"	"	"	"	X
218-01-9	Chrysene	2,090		µg/kg dry	814	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
206-44-0	Fluoranthene	4,190		µg/kg dry	814	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	889		µg/kg dry	814	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
85-01-8	Phenanthrene	1,940		µg/kg dry	814	5	"	"	"	"	"	X
129-00-0	Pyrene	4,280		µg/kg dry	814	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*100*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*129*			*30-130 %*		"	"	"	"	"	
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	814	5	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
120-12-7	Anthracene	1,840		µg/kg dry	814	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,720		µg/kg dry	814	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,290		µg/kg dry	814	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	3,930		µg/kg dry	814	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,090		µg/kg dry	814	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	5,210		µg/kg dry	814	5	"	"	"	"	"	X
218-01-9	Chrysene	2,060		µg/kg dry	814	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
206-44-0	Fluoranthene	3,790		µg/kg dry	814	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,260		µg/kg dry	814	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	814	5	"	"	"	"	"	X
85-01-8	Phenanthrene	1,880		µg/kg dry	814	5	"	"	"	"	"	X
129-00-0	Pyrene	4,460		µg/kg dry	814	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*103*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*131*	S06		*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 2'-4'	171-305	Soil	01-Jul-10 05:55	02-Jul-10
SB14711-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.00	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.80	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.00	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.00	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*141*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.0	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	61.2		µg/kg dry	12.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	121		µg/kg dry	12.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 2'-4'	171-305	Soil	01-Jul-10 05:55	02-Jul-10
SB14711-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*59*			*30-150 %*		SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	163	5	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	163	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	163	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	163	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	163	5	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	163	5	"	"	"	"	"	
	Unidentified	815		mg/kg dry	163	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	163	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	815		mg/kg dry	163	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	815		mg/kg dry	163	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*66*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.55		mg/kg dry	1.60	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	1.44		mg/kg dry	0.533	1	"	"	11-Jul-10	"	"	X
7440-47-3	Chromium	40.5		mg/kg dry	1.07	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0874		mg/kg dry	0.0347	1	SW846 7471A	"	10-Jul-10	HB	1014442	X
7439-92-1	Lead	1,000		mg/kg dry	1.60	1	SW846 6010B	"	11-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	81.6		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 4'-8'	171-305	Soil	01-Jul-10 06:19	02-Jul-10
SB14711-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			VOC8		Initial weight: 14.57 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	77.6	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
67-64-1	Acetone	BRL		µg/kg dry	776	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	155	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	776	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	155	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	155	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	155	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	155	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	155	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 4'-8'	171-305	Soil	01-Jul-10 06:19	02-Jul-10
SB14711-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds			VOC8									
Volatile Organic Compounds					Initial weight: 14.57 g							
Prepared by method SW846 5030 Soil (high level)												
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	776	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	776	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	155	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
108-88-3	Toluene	79.1		µg/kg dry	77.6	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	155	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	77.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	155	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	77.6	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	77.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	77.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	77.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	776	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1550	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	388	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	31000	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*116*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*89*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*81*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS			R01									
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	831	5	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 4'-8'	171-305	Soil	01-Jul-10 06:19	02-Jul-10
SB14711-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	831	5	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
120-12-7	Anthracene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,020		µg/kg dry	831	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,320		µg/kg dry	831	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,330		µg/kg dry	831	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,260		µg/kg dry	831	5	"	"	"	"	"	X
218-01-9	Chrysene	1,190		µg/kg dry	831	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
206-44-0	Fluoranthene	2,280		µg/kg dry	831	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
85-01-8	Phenanthrene	1,020		µg/kg dry	831	5	"	"	"	"	"	X
129-00-0	Pyrene	2,330		µg/kg dry	831	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*101*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*132*	S06		*30-130 %*		"	"	"	"	"	
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	831	5	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
120-12-7	Anthracene	1,180		µg/kg dry	831	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	991		µg/kg dry	831	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,310		µg/kg dry	831	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,160		µg/kg dry	831	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,860		µg/kg dry	831	5	"	"	"	"	"	X
218-01-9	Chrysene	1,200		µg/kg dry	831	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
206-44-0	Fluoranthene	2,010		µg/kg dry	831	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	831	5	"	"	"	"	"	X
85-01-8	Phenanthrene	1,040		µg/kg dry	831	5	"	"	"	"	"	X
129-00-0	Pyrene	2,440		µg/kg dry	831	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*104*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*135*	S06		*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 4'-8'	171-305	Soil	01-Jul-10 06:19	02-Jul-10
SB14711-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.99	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.79	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.99	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.99	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*142*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.0	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	228		µg/kg dry	12.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	41.0		µg/kg dry	12.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-14 4'-8'	171-305	Soil	01-Jul-10 06:19	02-Jul-10
SB14711-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	66			*30-150 %*		SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	166	5	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	166	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	166	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	166	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	166	5	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	166	5	"	"	"	"	"	
	Unidentified	798		mg/kg dry	166	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	166	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	798		mg/kg dry	166	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	798		mg/kg dry	166	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*65*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	6.71		mg/kg dry	1.61	1	SW846 6010B	09-Jul-10	10-Jul-10	TBG	1014441	X
7440-43-9	Cadmium	1.66		mg/kg dry	0.538	1	"	"	11-Jul-10	"	"	X
7440-47-3	Chromium	895		mg/kg dry	1.08	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0862		mg/kg dry	0.0330	1	SW846 7471A	"	10-Jul-10	HB	1014442	X
7439-92-1	Lead	775		mg/kg dry	1.61	1	SW846 6010B	"	11-Jul-10	TBG	1014441	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	79.6		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014382 - SW846 5035A Soil (low level)										
Blank (1014382-BLK1)					Prepared & Analyzed: 08-Jul-10					
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	10.0						
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	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014382 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 08-Jul-10					
Blank (1014382-BLK1)										
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	10.0						
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	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*51.8*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.7*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
					Prepared & Analyzed: 08-Jul-10					
LCS (1014382-BS1)										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.1		µg/kg wet		20.0		101	70-130		
Acetone	27.1		µg/kg wet		20.0		136	70-130		
Acrylonitrile	23.9		µg/kg wet		20.0		120	70-130		
Benzene	21.1		µg/kg wet		20.0		105	70-130		
Bromobenzene	20.9		µg/kg wet		20.0		104	70-130		
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	20.5		µg/kg wet		20.0		103	70-130		
Bromomethane	18.6		µg/kg wet		20.0		93	70-130		
2-Butanone (MEK)	16.3		µg/kg wet		20.0		81	70-130		
n-Butylbenzene	20.5		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	21.1		µg/kg wet		20.0		105	70-130		
tert-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Carbon disulfide	20.6		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	18.6		µg/kg wet		20.0		93	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
Chloroethane	19.1		µg/kg wet		20.0		95	70-130		
Chloroform	19.2		µg/kg wet		20.0		96	70-130		
Chloromethane	19.5		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014382 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 08-Jul-10					
LCS (1014382-BS1)										
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dibromoethane (EDB)	21.4		µg/kg wet		20.0		107	70-130		
Dibromomethane	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloropropane	21.4		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130		
2,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
1,1-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
cis-1,3-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130		
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	70-130		
2-Hexanone (MBK)	21.2		µg/kg wet		20.0		106	70-130		
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	19.5		µg/kg wet		20.0		97	70-130		
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	18.9		µg/kg wet		20.0		94	70-130		
Methylene chloride	20.3		µg/kg wet		20.0		101	70-130		
Naphthalene	17.5		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Styrene	20.7		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	22.4		µg/kg wet		20.0		112	70-130		
Tetrachloroethene	20.4		µg/kg wet		20.0		102	70-130		
Toluene	20.5		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.1		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1,2-Trichloroethane	22.7		µg/kg wet		20.0		114	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		96	70-130		
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130		
m,p-Xylene	41.8		µg/kg wet		40.0		104	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	22.3		µg/kg wet		20.0		112	70-130		
Ethyl ether	20.3		µg/kg wet		20.0		102	70-130		
Tert-amyl methyl ether	20.3		µg/kg wet		20.0		102	70-130		
Ethyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130		
Di-isopropyl ether	19.7		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 1014382 - SW846 5035A Soil (low level)										
LCS (1014382-BS1)					Prepared & Analyzed: 08-Jul-10					
Tert-Butanol / butyl alcohol	198		µg/kg wet		200		99	70-130		
1,4-Dioxane	229		µg/kg wet		200		114	70-130		
trans-1,4-Dichloro-2-butene	21.6		µg/kg wet		20.0		108	70-130		
Ethanol	412		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.5*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (1014382-BSD1)					Prepared & Analyzed: 08-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/kg wet		20.0		114	70-130	12	25
Acetone	25.8		µg/kg wet		20.0		129	70-130	5	50
Acrylonitrile	22.9		µg/kg wet		20.0		114	70-130	5	25
Benzene	21.0		µg/kg wet		20.0		105	70-130	0.5	25
Bromobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Bromochloromethane	22.1		µg/kg wet		20.0		110	70-130	3	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	2	25
Bromoform	19.5		µg/kg wet		20.0		97	70-130	5	25
Bromomethane	18.9		µg/kg wet		20.0		95	70-130	2	50
2-Butanone (MEK)	15.8		µg/kg wet		20.0		79	70-130	3	50
n-Butylbenzene	24.1		µg/kg wet		20.0		121	70-130	16	25
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130	6	25
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	1	25
Carbon tetrachloride	19.0		µg/kg wet		20.0		95	70-130	2	25
Chlorobenzene	20.1		µg/kg wet		20.0		101	70-130	1	25
Chloroethane	19.7		µg/kg wet		20.0		99	70-130	3	50
Chloroform	18.9		µg/kg wet		20.0		95	70-130	1	25
Chloromethane	19.3		µg/kg wet		20.0		97	70-130	0.9	25
2-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130	2	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	3	25
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130	3	25
Dibromochloromethane	19.4		µg/kg wet		20.0		97	70-130	2	50
1,2-Dibromoethane (EDB)	20.7		µg/kg wet		20.0		103	70-130	4	25
Dibromomethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichlorobenzene	19.5		µg/kg wet		20.0		97	70-130	0.7	25
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	4	25
Dichlorodifluoromethane (Freon12)	19.2		µg/kg wet		20.0		96	70-130	3	50
1,1-Dichloroethane	20.1		µg/kg wet		20.0		101	70-130	2	25
1,2-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130	1	25
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	2	25
trans-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
1,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130	2	25
1,3-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130	2	25
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	1	25
1,1-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130	6	25
cis-1,3-Dichloropropene	20.3		µg/kg wet		20.0		101	70-130	0	25
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	2	25
Ethylbenzene	21.0		µg/kg wet		20.0		105	70-130	2	25
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	70-130	15	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014382 - SW846 5035A Soil (low level)										
LCS Dup (1014382-BSD1)					Prepared & Analyzed: 08-Jul-10					
2-Hexanone (MBK)	20.9		µg/kg wet		20.0		104	70-130	1	25
Isopropylbenzene	20.9		µg/kg wet		20.0		105	70-130	2	25
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130	9	25
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130	4	25
4-Methyl-2-pentanone (MIBK)	17.8		µg/kg wet		20.0		89	70-130	6	50
Methylene chloride	20.1		µg/kg wet		20.0		100	70-130	0.9	25
Naphthalene	17.8		µg/kg wet		20.0		89	70-130	1	25
n-Propylbenzene	21.9		µg/kg wet		20.0		110	70-130	5	25
Styrene	20.9		µg/kg wet		20.0		104	70-130	1	25
1,1,1,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130	5	25
1,1,2,2-Tetrachloroethane	21.7		µg/kg wet		20.0		109	70-130	3	25
Tetrachloroethene	21.8		µg/kg wet		20.0		109	70-130	7	25
Toluene	20.7		µg/kg wet		20.0		103	70-130	0.8	25
1,2,3-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	6	25
1,2,4-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	12	25
1,3,5-Trichlorobenzene	22.3		µg/kg wet		20.0		111	70-130	11	25
1,1,1-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	2	25
1,1,2-Trichloroethane	21.9		µg/kg wet		20.0		110	70-130	4	25
Trichloroethene	20.8		µg/kg wet		20.0		104	70-130	0.8	25
Trichlorofluoromethane (Freon 11)	19.6		µg/kg wet		20.0		98	70-130	3	50
1,2,3-Trichloropropane	20.4		µg/kg wet		20.0		102	70-130	6	25
1,2,4-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,3,5-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
Vinyl chloride	19.3		µg/kg wet		20.0		96	70-130	0.6	25
m,p-Xylene	42.9		µg/kg wet		40.0		107	70-130	3	25
o-Xylene	21.3		µg/kg wet		20.0		106	70-130	1	25
Tetrahydrofuran	21.4		µg/kg wet		20.0		107	70-130	4	25
Ethyl ether	19.5		µg/kg wet		20.0		97	70-130	4	50
Tert-amyl methyl ether	19.2		µg/kg wet		20.0		96	70-130	6	25
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		92	70-130	4	25
Di-isopropyl ether	19.1		µg/kg wet		20.0		95	70-130	3	25
Tert-Butanol / butyl alcohol	189		µg/kg wet		200		95	70-130	4	25
1,4-Dioxane	218		µg/kg wet		200		109	70-130	5	25
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		101	70-130	7	25
Ethanol	438		µg/kg wet		400		109	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.7*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Batch 1014495 - SW846 5035A Soil (low level)										
Blank (1014495-BLK1)					Prepared & Analyzed: 09-Jul-10					
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
Blank (1014495-BLK1)					Prepared & Analyzed: 09-Jul-10					
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	10.0						
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	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
Blank (1014495-BLK1)					Prepared & Analyzed: 09-Jul-10					
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	10.0						
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	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.6*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
LCS (1014495-BS1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.6		µg/kg wet		20.0		103	70-130		
Acetone	24.1		µg/kg wet		20.0		121	70-130		
Acrylonitrile	22.7		µg/kg wet		20.0		113	70-130		
Benzene	21.9		µg/kg wet		20.0		109	70-130		
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130		
Bromochloromethane	22.2		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromoform	19.3		µg/kg wet		20.0		97	70-130		
Bromomethane	19.5		µg/kg wet		20.0		98	70-130		
2-Butanone (MEK)	13.7		µg/kg wet		20.0		69	70-130		
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
tert-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	20.7		µg/kg wet		20.0		103	70-130		
Chloroethane	21.0		µg/kg wet		20.0		105	70-130		
Chloroform	19.7		µg/kg wet		20.0		99	70-130		
Chloromethane	19.7		µg/kg wet		20.0		99	70-130		
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		104	70-130		
Dibromomethane	21.1		µg/kg wet		20.0		106	70-130		
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		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 1014495 - SW846 5035A Soil (low level)										
LCS (1014495-BS1)					Prepared & Analyzed: 09-Jul-10					
1,1-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	21.7		µg/kg wet		20.0		109	70-130		
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
2,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,1-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130		
cis-1,3-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130		
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
Ethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	70-130		
2-Hexanone (MBK)	18.6		µg/kg wet		20.0		93	70-130		
Isopropylbenzene	21.3		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	16.7		µg/kg wet		20.0		83	70-130		
Methylene chloride	21.5		µg/kg wet		20.0		107	70-130		
Naphthalene	16.7		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Styrene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	21.2		µg/kg wet		20.0		106	70-130		
Toluene	21.8		µg/kg wet		20.0		109	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2-Trichloroethane	22.0		µg/kg wet		20.0		110	70-130		
Trichloroethene	21.7		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	70-130		
1,2,3-Trichloropropane	20.1		µg/kg wet		20.0		101	70-130		
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	20.8		µg/kg wet		20.0		104	70-130		
m,p-Xylene	43.4		µg/kg wet		40.0		109	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	21.9		µg/kg wet		20.0		109	70-130		
Ethyl ether	20.5		µg/kg wet		20.0		103	70-130		
Tert-amyl methyl ether	19.5		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
Di-isopropyl ether	20.0		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130		
1,4-Dioxane	186		µg/kg wet		200		93	70-130		
trans-1,4-Dichloro-2-butene	20.8		µg/kg wet		20.0		104	70-130		
Ethanol	381		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (1014495-BSD1)					Prepared & Analyzed: 09-Jul-10					

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 09-Jul-10					
LCS Dup (1014495-BSD1)										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/kg wet		20.0		120	70-130	15	25
Acetone	18.4		µg/kg wet		20.0		92	70-130	27	50
Acrylonitrile	21.3		µg/kg wet		20.0		107	70-130	6	25
Benzene	22.1		µg/kg wet		20.0		111	70-130	1	25
Bromobenzene	21.1		µg/kg wet		20.0		105	70-130	1	25
Bromochloromethane	21.9		µg/kg wet		20.0		110	70-130	1	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	3	25
Bromoform	18.8		µg/kg wet		20.0		94	70-130	2	25
Bromomethane	18.5		µg/kg wet		20.0		92	70-130	6	50
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	70-130	5	50
n-Butylbenzene	25.3		µg/kg wet		20.0		126	70-130	18	25
sec-Butylbenzene	23.8		µg/kg wet		20.0		119	70-130	8	25
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	3	25
Carbon disulfide	22.1		µg/kg wet		20.0		110	70-130	0.8	25
Carbon tetrachloride	20.5		µg/kg wet		20.0		102	70-130	2	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
Chloroethane	19.5		µg/kg wet		20.0		97	70-130	7	50
Chloroform	19.9		µg/kg wet		20.0		100	70-130	0.8	25
Chloromethane	19.4		µg/kg wet		20.0		97	70-130	2	25
2-Chlorotoluene	21.4		µg/kg wet		20.0		107	70-130	1	25
4-Chlorotoluene	22.3		µg/kg wet		20.0		111	70-130	5	25
1,2-Dibromo-3-chloropropane	16.7		µg/kg wet		20.0		84	70-130	3	25
Dibromochloromethane	19.3		µg/kg wet		20.0		97	70-130	4	50
1,2-Dibromoethane (EDB)	19.8		µg/kg wet		20.0		99	70-130	5	25
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130	2	25
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		111	70-130	4	25
1,4-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet		20.0		102	70-130	3	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	3	25
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130	2	25
1,1-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130	9	25
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	0.7	25
trans-1,2-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130	1	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	0	25
1,3-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	5	25
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	0.9	25
1,1-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130	0.9	25
cis-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	0.6	25
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Hexachlorobutadiene	22.5		µg/kg wet		20.0		112	70-130	14	50
2-Hexanone (MBK)	17.9		µg/kg wet		20.0		90	70-130	4	25
Isopropylbenzene	22.4		µg/kg wet		20.0		112	70-130	5	25
4-Isopropyltoluene	21.9		µg/kg wet		20.0		110	70-130	8	25
Methyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130	5	25
4-Methyl-2-pentanone (MIBK)	15.5		µg/kg wet		20.0		77	70-130	7	50
Methylene chloride	21.4		µg/kg wet		20.0		107	70-130	0.5	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	3	25
n-Propylbenzene	23.3		µg/kg wet		20.0		117	70-130	7	25
Styrene	21.5		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
LCS Dup (1014495-BSD1)					Prepared & Analyzed: 09-Jul-10					
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet		20.0		104	70-130	2	25
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130	6	25
Toluene	21.9		µg/kg wet		20.0		110	70-130	0.8	25
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	2	25
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	5	25
1,3,5-Trichlorobenzene	22.8		µg/kg wet		20.0		114	70-130	11	25
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		99	70-130	0.3	25
1,1,2-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130	5	25
Trichloroethene	22.5		µg/kg wet		20.0		112	70-130	4	25
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		96	70-130	5	50
1,2,3-Trichloropropane	19.4		µg/kg wet		20.0		97	70-130	4	25
1,2,4-Trimethylbenzene	22.8		µg/kg wet		20.0		114	70-130	8	25
1,3,5-Trimethylbenzene	22.3		µg/kg wet		20.0		112	70-130	7	25
Vinyl chloride	19.8		µg/kg wet		20.0		99	70-130	5	25
m,p-Xylene	45.1		µg/kg wet		40.0		113	70-130	4	25
o-Xylene	22.6		µg/kg wet		20.0		113	70-130	4	25
Tetrahydrofuran	21.1		µg/kg wet		20.0		106	70-130	4	25
Ethyl ether	17.5		µg/kg wet		20.0		87	70-130	16	50
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130	4	25
Ethyl tert-butyl ether	18.7		µg/kg wet		20.0		93	70-130	3	25
Di-isopropyl ether	19.3		µg/kg wet		20.0		96	70-130	4	25
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130	8	25
1,4-Dioxane	172		µg/kg wet		200		86	70-130	8	25
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethanol	361		µg/kg wet		400		90	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Batch 1014632 - SW846 5030 Soil (high level)										
Blank (1014632-BLK1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Blank (1014632-BLK1)					Prepared & Analyzed: 12-Jul-10					
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Blank (1014632-BLK1)					Prepared & Analyzed: 12-Jul-10					
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/kg wet		*30.0*		*84*	*70-130*		
Surrogate: Toluene-d8	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		
LCS (1014632-BS1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	17.2		µg/kg wet		20.0		86	70-130		
Acrylonitrile	17.5		µg/kg wet		20.0		88	70-130		
Benzene	19.5		µg/kg wet		20.0		98	70-130		
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	19.8		µg/kg wet		20.0		99	70-130		
Bromomethane	18.8		µg/kg wet		20.0		94	70-130		
2-Butanone (MEK)	18.3		µg/kg wet		20.0		92	70-130		
n-Butylbenzene	15.7		µg/kg wet		20.0		79	70-130		
sec-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130		
tert-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130		
Carbon disulfide	19.9		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	19.1		µg/kg wet		20.0		96	70-130		
Chlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
Chloroethane	18.4		µg/kg wet		20.0		92	70-130		
Chloroform	18.9		µg/kg wet		20.0		95	70-130		
Chloromethane	15.5		µg/kg wet		20.0		77	70-130		
2-Chlorotoluene	23.3		µg/kg wet		20.0		117	70-130		
4-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	16.6		µg/kg wet		20.0		83	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	21.5		µg/kg wet		20.0		108	70-130		
Dibromomethane	19.6		µg/kg wet		20.0		98	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	19.2		µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	19.1		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	22.2		µg/kg wet		20.0		111	70-130		
2,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
Ethylbenzene	19.5		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 1014632 - SW846 5030 Soil (high level)										
LCS (1014632-BS1)					Prepared & Analyzed: 12-Jul-10					
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	70-130		
2-Hexanone (MBK)	20.1		µg/kg wet		20.0		100	70-130		
Isopropylbenzene	23.3		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	17.8		µg/kg wet		20.0		89	70-130		
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	25.7		µg/kg wet		20.0		129	70-130		
Methylene chloride	19.8		µg/kg wet		20.0		99	70-130		
Naphthalene	18.5		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	17.4		µg/kg wet		20.0		87	70-130		
Styrene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	24.2		µg/kg wet		20.0		121	70-130		
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	24.6		µg/kg wet		20.0		123	70-130		
Toluene	23.1		µg/kg wet		20.0		115	70-130		
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,3,5-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	22.7		µg/kg wet		20.0		113	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	70-130		
1,2,3-Trichloropropane	21.5		µg/kg wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Vinyl chloride	17.5		µg/kg wet		20.0		87	70-130		
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	15.7		µg/kg wet		20.0		79	70-130		
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	19.9		µg/kg wet		20.0		99	70-130		
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130		
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130		
1,4-Dioxane	194		µg/kg wet		200		97	70-130		
trans-1,4-Dichloro-2-butene	16.5		µg/kg wet		20.0		83	70-130		
Ethanol	339		µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*32.3*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*34.0*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS Dup (1014632-BSD1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		96	70-130	2	25
Acetone	16.9		µg/kg wet		20.0		84	70-130	1	50
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130	6	25
Benzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Bromobenzene	23.3		µg/kg wet		20.0		116	70-130	3	25
Bromochloromethane	19.9		µg/kg wet		20.0		100	70-130	3	25
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130	4	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	6	25
Bromomethane	18.2		µg/kg wet		20.0		91	70-130	3	50
2-Butanone (MEK)	19.7		µg/kg wet		20.0		99	70-130	7	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
LCS Dup (1014632-BSD1)					Prepared & Analyzed: 12-Jul-10					
n-Butylbenzene	14.9		µg/kg wet		20.0		75	70-130	5	25
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	6	25
tert-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Carbon disulfide	18.8		µg/kg wet		20.0		94	70-130	6	25
Carbon tetrachloride	18.3		µg/kg wet		20.0		91	70-130	5	25
Chlorobenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Chloroethane	17.6		µg/kg wet		20.0		88	70-130	4	50
Chloroform	18.1		µg/kg wet		20.0		90	70-130	5	25
Chloromethane	15.0		µg/kg wet		20.0		75	70-130	3	25
2-Chlorotoluene	22.4		µg/kg wet		20.0		112	70-130	4	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	6	25
1,2-Dibromo-3-chloropropane	16.3		µg/kg wet		20.0		82	70-130	2	25
Dibromochloromethane	19.4		µg/kg wet		20.0		97	70-130	3	50
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130	2	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	3	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,3-Dichlorobenzene	22.2		µg/kg wet		20.0		111	70-130	5	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.8	25
Dichlorodifluoromethane (Freon12)	18.4		µg/kg wet		20.0		92	70-130	4	50
1,1-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	5	25
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	0.4	25
1,1-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	6	25
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130	3	25
trans-1,2-Dichloroethene	18.7		µg/kg wet		20.0		93	70-130	6	25
1,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	2	25
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130	3	25
2,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	9	25
1,1-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	4	25
cis-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130	4	25
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130	3	25
Ethylbenzene	18.9		µg/kg wet		20.0		94	70-130	3	25
Hexachlorobutadiene	20.5		µg/kg wet		20.0		102	70-130	8	50
2-Hexanone (MBK)	21.1		µg/kg wet		20.0		106	70-130	5	25
Isopropylbenzene	22.3		µg/kg wet		20.0		111	70-130	5	25
4-Isopropyltoluene	17.1		µg/kg wet		20.0		86	70-130	4	25
Methyl tert-butyl ether	20.9		µg/kg wet		20.0		105	70-130	0.9	25
4-Methyl-2-pentanone (MIBK)	26.7		µg/kg wet		20.0		134	70-130	4	50
Methylene chloride	19.2		µg/kg wet		20.0		96	70-130	3	25
Naphthalene	17.5		µg/kg wet		20.0		88	70-130	6	25
n-Propylbenzene	17.0		µg/kg wet		20.0		85	70-130	2	25
Styrene	17.5		µg/kg wet		20.0		88	70-130	4	25
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130	5	25
1,1,2,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130	0.8	25
Tetrachloroethene	23.5		µg/kg wet		20.0		117	70-130	5	25
Toluene	22.3		µg/kg wet		20.0		111	70-130	4	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	4	25
1,2,4-Trichlorobenzene	16.7		µg/kg wet		20.0		84	70-130	7	25
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	5	25
1,1,1-Trichloroethane	18.9		µg/kg wet		20.0		95	70-130	6	25
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130	5	25
Trichloroethene	19.3		µg/kg wet		20.0		97	70-130	5	25
Trichlorofluoromethane (Freon 11)	18.8		µg/kg wet		20.0		94	70-130	6	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
LCS Dup (1014632-BSD1)					Prepared & Analyzed: 12-Jul-10					
1,2,3-Trichloropropane	21.4		µg/kg wet		20.0		107	70-130	0.09	25
1,2,4-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3,5-Trimethylbenzene	17.9		µg/kg wet		20.0		90	70-130	6	25
Vinyl chloride	16.9		µg/kg wet		20.0		84	70-130	4	25
m,p-Xylene	40.4		µg/kg wet		40.0		101	70-130	4	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	2	25
Tetrahydrofuran	16.8		µg/kg wet		20.0		84	70-130	6	25
Ethyl ether	20.6		µg/kg wet		20.0		103	70-130	1	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	2	25
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	0.8	25
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130	0.2	25
Tert-Butanol / butyl alcohol	203		µg/kg wet		200		101	70-130	0.6	25
1,4-Dioxane	181		µg/kg wet		200		90	70-130	7	25
trans-1,4-Dichloro-2-butene	15.7		µg/kg wet		20.0		79	70-130	5	25
Ethanol	361		µg/kg wet		400		90	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*32.4*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*33.9*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.5*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Matrix Spike (1014632-MS1)			Source: SB14711-03		Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.0		µg/kg dry		20.0	BRL	130	70-130		
Acetone	17.0		µg/kg dry		20.0	BRL	85	70-130		
Acrylonitrile	16.8		µg/kg dry		20.0	BRL	84	70-130		
Benzene	21.1		µg/kg dry		20.0	BRL	106	70-130		
Bromobenzene	27.1	QM7	µg/kg dry		20.0	BRL	135	70-130		
Bromochloromethane	20.5		µg/kg dry		20.0	BRL	102	70-130		
Bromodichloromethane	17.8		µg/kg dry		20.0	BRL	89	70-130		
Bromoform	18.4		µg/kg dry		20.0	BRL	92	70-130		
Bromomethane	18.1		µg/kg dry		20.0	BRL	90	70-130		
2-Butanone (MEK)	20.3		µg/kg dry		20.0	BRL	101	70-130		
n-Butylbenzene	19.9		µg/kg dry		20.0	BRL	100	70-130		
sec-Butylbenzene	22.5		µg/kg dry		20.0	BRL	112	70-130		
tert-Butylbenzene	22.7		µg/kg dry		20.0	BRL	114	70-130		
Carbon disulfide	10.2	QM7	µg/kg dry		20.0	BRL	51	70-130		
Carbon tetrachloride	16.8		µg/kg dry		20.0	BRL	84	70-130		
Chlorobenzene	23.3		µg/kg dry		20.0	BRL	116	70-130		
Chloroethane	19.5		µg/kg dry		20.0	BRL	98	70-130		
Chloroform	19.1		µg/kg dry		20.0	BRL	96	70-130		
Chloromethane	21.0		µg/kg dry		20.0	BRL	105	70-130		
2-Chlorotoluene	26.9	QM7	µg/kg dry		20.0	BRL	134	70-130		
4-Chlorotoluene	22.3		µg/kg dry		20.0	BRL	112	70-130		
1,2-Dibromo-3-chloropropane	13.6	QM7	µg/kg dry		20.0	BRL	68	70-130		
Dibromochloromethane	18.8		µg/kg dry		20.0	BRL	94	70-130		
1,2-Dibromoethane (EDB)	22.5		µg/kg dry		20.0	BRL	112	70-130		
Dibromomethane	19.0		µg/kg dry		20.0	BRL	95	70-130		
1,2-Dichlorobenzene	25.0		µg/kg dry		20.0	BRL	125	70-130		
1,3-Dichlorobenzene	26.2	QM7	µg/kg dry		20.0	BRL	131	70-130		
1,4-Dichlorobenzene	21.6		µg/kg dry		20.0	BRL	108	70-130		
Dichlorodifluoromethane (Freon12)	24.2		µg/kg dry		20.0	BRL	121	70-130		
1,1-Dichloroethane	18.7		µg/kg dry		20.0	BRL	93	70-130		
1,2-Dichloroethane	18.4		µg/kg dry		20.0	BRL	92	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Matrix Spike (1014632-MS1)			Source: SB14711-03		Prepared & Analyzed: 12-Jul-10					
1,1-Dichloroethene	20.0		µg/kg dry		20.0	BRL	100	70-130		
cis-1,2-Dichloroethene	24.1		µg/kg dry		20.0	BRL	121	70-130		
trans-1,2-Dichloroethene	17.4		µg/kg dry		20.0	BRL	87	70-130		
1,2-Dichloropropane	19.2		µg/kg dry		20.0	BRL	96	70-130		
1,3-Dichloropropane	24.5		µg/kg dry		20.0	BRL	122	70-130		
2,2-Dichloropropane	20.8		µg/kg dry		20.0	BRL	104	70-130		
1,1-Dichloropropene	21.0		µg/kg dry		20.0	BRL	105	70-130		
cis-1,3-Dichloropropene	19.7		µg/kg dry		20.0	BRL	99	70-130		
trans-1,3-Dichloropropene	19.9		µg/kg dry		20.0	BRL	99	70-130		
Ethylbenzene	21.7		µg/kg dry		20.0	0.6	105	70-130		
Hexachlorobutadiene	25.6		µg/kg dry		20.0	BRL	128	70-130		
2-Hexanone (MBK)	23.8		µg/kg dry		20.0	BRL	119	70-130		
Isopropylbenzene	26.0		µg/kg dry		20.0	BRL	130	70-130		
4-Isopropyltoluene	21.7		µg/kg dry		20.0	BRL	109	70-130		
Methyl tert-butyl ether	21.8		µg/kg dry		20.0	BRL	109	70-130		
4-Methyl-2-pentanone (MIBK)	28.6	QM7	µg/kg dry		20.0	BRL	143	70-130		
Methylene chloride	21.2		µg/kg dry		20.0	BRL	106	70-130		
Naphthalene	19.5		µg/kg dry		20.0	0.7	94	70-130		
n-Propylbenzene	19.8		µg/kg dry		20.0	0.7	96	70-130		
Styrene	20.8		µg/kg dry		20.0	BRL	104	70-130		
1,1,1,2-Tetrachloroethane	23.6		µg/kg dry		20.0	BRL	118	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/kg dry		20.0	BRL	97	70-130		
Tetrachloroethene	28.5	QM7	µg/kg dry		20.0	BRL	142	70-130		
Toluene	25.8		µg/kg dry		20.0	BRL	129	70-130		
1,2,3-Trichlorobenzene	22.1		µg/kg dry		20.0	BRL	111	70-130		
1,2,4-Trichlorobenzene	21.0		µg/kg dry		20.0	BRL	105	70-130		
1,3,5-Trichlorobenzene	24.9		µg/kg dry		20.0	BRL	125	70-130		
1,1,1-Trichloroethane	18.1		µg/kg dry		20.0	BRL	90	70-130		
1,1,2-Trichloroethane	26.1		µg/kg dry		20.0	BRL	130	70-130		
Trichloroethene	21.4		µg/kg dry		20.0	BRL	107	70-130		
Trichlorofluoromethane (Freon 11)	21.1		µg/kg dry		20.0	BRL	106	70-130		
1,2,3-Trichloropropane	25.7		µg/kg dry		20.0	BRL	128	70-130		
1,2,4-Trimethylbenzene	20.8		µg/kg dry		20.0	BRL	104	70-130		
1,3,5-Trimethylbenzene	21.1		µg/kg dry		20.0	0.9	101	70-130		
Vinyl chloride	11.0	QM7	µg/kg dry		20.0	BRL	55	70-130		
m,p-Xylene	45.7		µg/kg dry		40.0	1.7	110	70-130		
o-Xylene	22.7		µg/kg dry		20.0	0.8	109	70-130		
Tetrahydrofuran	17.3		µg/kg dry		20.0	BRL	86	70-130		
Ethyl ether	21.6		µg/kg dry		20.0	BRL	108	70-130		
Tert-amyl methyl ether	19.6		µg/kg dry		20.0	BRL	98	70-130		
Ethyl tert-butyl ether	19.8		µg/kg dry		20.0	BRL	99	70-130		
Di-isopropyl ether	17.5		µg/kg dry		20.0	BRL	88	70-130		
Tert-Butanol / butyl alcohol	254		µg/kg dry		200	BRL	127	70-130		
1,4-Dioxane	243		µg/kg dry		200	BRL	122	70-130		
trans-1,4-Dichloro-2-butene	18.7		µg/kg dry		20.0	BRL	94	70-130		
Ethanol	413		µg/kg dry		400	BRL	103	70-130		
Surrogate: 4-Bromofluorobenzene	*33.4*		µg/kg dry		*30.0*		*111*	*70-130*		
Surrogate: Toluene-d8	*35.1*		µg/kg dry		*30.0*		*117*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.1*		µg/kg dry		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*27.4*		µg/kg dry		*30.0*		*91*	*70-130*		
Matrix Spike Dup (1014632-MSD1)			Source: SB14711-03		Prepared & Analyzed: 12-Jul-10					

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Matrix Spike Dup (1014632-MSD1)			Source: SB14711-03		Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	25.1		µg/kg dry		20.0	BRL	125	70-130	4	30
Acetone	19.1		µg/kg dry		20.0	BRL	95	70-130	11	30
Acrylonitrile	17.8		µg/kg dry		20.0	BRL	89	70-130	6	30
Benzene	20.8		µg/kg dry		20.0	BRL	104	70-130	1	30
Bromobenzene	27.1	QM7	µg/kg dry		20.0	BRL	136	70-130	0.2	30
Bromochloromethane	20.4		µg/kg dry		20.0	BRL	102	70-130	0.3	30
Bromodichloromethane	18.5		µg/kg dry		20.0	BRL	93	70-130	4	30
Bromoform	19.0		µg/kg dry		20.0	BRL	95	70-130	3	30
Bromomethane	15.9		µg/kg dry		20.0	BRL	79	70-130	13	30
2-Butanone (MEK)	19.4		µg/kg dry		20.0	BRL	97	70-130	5	30
n-Butylbenzene	20.1		µg/kg dry		20.0	BRL	101	70-130	1	30
sec-Butylbenzene	22.3		µg/kg dry		20.0	BRL	111	70-130	1	30
tert-Butylbenzene	23.2		µg/kg dry		20.0	BRL	116	70-130	2	30
Carbon disulfide	11.3	QM7	µg/kg dry		20.0	BRL	57	70-130	10	30
Carbon tetrachloride	16.5		µg/kg dry		20.0	BRL	82	70-130	2	30
Chlorobenzene	22.8		µg/kg dry		20.0	BRL	114	70-130	2	30
Chloroethane	18.4		µg/kg dry		20.0	BRL	92	70-130	6	30
Chloroform	19.0		µg/kg dry		20.0	BRL	95	70-130	0.9	30
Chloromethane	21.0		µg/kg dry		20.0	BRL	105	70-130	0.2	30
2-Chlorotoluene	26.5	QM7	µg/kg dry		20.0	BRL	132	70-130	1	30
4-Chlorotoluene	22.2		µg/kg dry		20.0	BRL	111	70-130	0.8	30
1,2-Dibromo-3-chloropropane	14.0		µg/kg dry		20.0	BRL	70	70-130	3	30
Dibromochloromethane	19.4		µg/kg dry		20.0	BRL	97	70-130	3	30
1,2-Dibromoethane (EDB)	23.3		µg/kg dry		20.0	BRL	117	70-130	4	30
Dibromomethane	18.5		µg/kg dry		20.0	BRL	93	70-130	3	30
1,2-Dichlorobenzene	25.4		µg/kg dry		20.0	BRL	127	70-130	1	30
1,3-Dichlorobenzene	26.7	QM7	µg/kg dry		20.0	BRL	134	70-130	2	30
1,4-Dichlorobenzene	21.0		µg/kg dry		20.0	BRL	105	70-130	3	30
Dichlorodifluoromethane (Freon12)	23.0		µg/kg dry		20.0	BRL	115	70-130	5	30
1,1-Dichloroethane	18.9		µg/kg dry		20.0	BRL	95	70-130	1	30
1,2-Dichloroethane	18.5		µg/kg dry		20.0	BRL	92	70-130	0.4	30
1,1-Dichloroethene	20.1		µg/kg dry		20.0	BRL	101	70-130	0.6	30
cis-1,2-Dichloroethene	23.5		µg/kg dry		20.0	BRL	118	70-130	3	30
trans-1,2-Dichloroethene	17.5		µg/kg dry		20.0	BRL	87	70-130	0.5	30
1,2-Dichloropropane	19.3		µg/kg dry		20.0	BRL	97	70-130	0.7	30
1,3-Dichloropropane	25.1		µg/kg dry		20.0	BRL	125	70-130	3	30
2,2-Dichloropropane	20.6		µg/kg dry		20.0	BRL	103	70-130	0.9	30
1,1-Dichloropropene	20.9		µg/kg dry		20.0	BRL	104	70-130	0.6	30
cis-1,3-Dichloropropene	20.0		µg/kg dry		20.0	BRL	100	70-130	2	30
trans-1,3-Dichloropropene	20.0		µg/kg dry		20.0	BRL	100	70-130	0.5	30
Ethylbenzene	21.7		µg/kg dry		20.0	0.6	105	70-130	0.09	30
Hexachlorobutadiene	23.3		µg/kg dry		20.0	BRL	117	70-130	10	30
2-Hexanone (MBK)	25.9		µg/kg dry		20.0	BRL	130	70-130	8	30
Isopropylbenzene	25.2		µg/kg dry		20.0	BRL	126	70-130	3	30
4-Isopropyltoluene	21.5		µg/kg dry		20.0	BRL	108	70-130	1	30
Methyl tert-butyl ether	22.4		µg/kg dry		20.0	BRL	112	70-130	2	30
4-Methyl-2-pentanone (MIBK)	33.8	QM7	µg/kg dry		20.0	BRL	169	70-130	17	30
Methylene chloride	20.8		µg/kg dry		20.0	BRL	104	70-130	2	30
Naphthalene	20.7		µg/kg dry		20.0	0.7	100	70-130	6	30
n-Propylbenzene	19.9		µg/kg dry		20.0	0.7	96	70-130	0.2	30
Styrene	20.3		µg/kg dry		20.0	BRL	101	70-130	3	30
1,1,1,2-Tetrachloroethane	23.4		µg/kg dry		20.0	BRL	117	70-130	0.9	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Matrix Spike Dup (1014632-MSD1)			Source: SB14711-03		Prepared & Analyzed: 12-Jul-10					
1,1,2,2-Tetrachloroethane	20.6		µg/kg dry		20.0	BRL	103	70-130	6	30
Tetrachloroethene	27.9	QM7	µg/kg dry		20.0	BRL	140	70-130	2	30
Toluene	25.7		µg/kg dry		20.0	BRL	129	70-130	0.2	30
1,2,3-Trichlorobenzene	21.6		µg/kg dry		20.0	BRL	108	70-130	2	30
1,2,4-Trichlorobenzene	21.0		µg/kg dry		20.0	BRL	105	70-130	0.1	30
1,3,5-Trichlorobenzene	25.3		µg/kg dry		20.0	BRL	127	70-130	2	30
1,1,1-Trichloroethane	18.5		µg/kg dry		20.0	BRL	93	70-130	2	30
1,1,2-Trichloroethane	26.9	QM7	µg/kg dry		20.0	BRL	134	70-130	3	30
Trichloroethene	21.5		µg/kg dry		20.0	BRL	107	70-130	0.2	30
Trichlorofluoromethane (Freon 11)	20.7		µg/kg dry		20.0	BRL	103	70-130	2	30
1,2,3-Trichloropropane	26.8	QM7	µg/kg dry		20.0	BRL	134	70-130	4	30
1,2,4-Trimethylbenzene	21.4		µg/kg dry		20.0	BRL	107	70-130	3	30
1,3,5-Trimethylbenzene	21.4		µg/kg dry		20.0	0.9	103	70-130	1	30
Vinyl chloride	11.0	QM7	µg/kg dry		20.0	BRL	55	70-130	0.5	30
m,p-Xylene	44.9		µg/kg dry		40.0	1.7	108	70-130	2	30
o-Xylene	22.5		µg/kg dry		20.0	0.8	108	70-130	1	30
Tetrahydrofuran	19.1		µg/kg dry		20.0	BRL	96	70-130	10	30
Ethyl ether	22.3		µg/kg dry		20.0	BRL	111	70-130	3	30
Tert-amyl methyl ether	20.3		µg/kg dry		20.0	BRL	102	70-130	3	30
Ethyl tert-butyl ether	20.4		µg/kg dry		20.0	BRL	102	70-130	3	30
Di-isopropyl ether	18.1		µg/kg dry		20.0	BRL	91	70-130	3	30
Tert-Butanol / butyl alcohol	289	QM7	µg/kg dry		200	BRL	144	70-130	13	30
1,4-Dioxane	264	QM7	µg/kg dry		200	BRL	132	70-130	8	30
trans-1,4-Dichloro-2-butene	18.4		µg/kg dry		20.0	BRL	92	70-130	2	30
Ethanol	456		µg/kg dry		400	BRL	114	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*32.9*		µg/kg dry		*30.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*35.7*		µg/kg dry		*30.0*		*119*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.1*		µg/kg dry		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*27.1*		µg/kg dry		*30.0*		*90*	*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 1014438 - SW846 3545A										
Blank (1014438-BLK1)					Prepared: 08-Jul-10 Analyzed: 12-Jul-10					
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	*2780*		µg/kg wet		*3330*		*84*	*30-130*		
Surrogate: Terphenyl-dl4	*2580*		µg/kg wet		*3330*		*77*	*30-130*		
LCS (1014438-BS1)					Prepared: 08-Jul-10 Analyzed: 12-Jul-10					
Acenaphthene	2370		µg/kg wet	66.5	3330		71	40-140		
Acenaphthylene	2490		µg/kg wet	66.5	3330		75	40-140		
Anthracene	2640		µg/kg wet	66.5	3330		79	40-140		
Benzo (a) anthracene	2440		µg/kg wet	66.5	3330		73	40-140		
Benzo (a) pyrene	2560		µg/kg wet	66.5	3330		77	40-140		
Benzo (b) fluoranthene	2160		µg/kg wet	66.5	3330		65	40-140		
Benzo (g,h,i) perylene	2420		µg/kg wet	66.5	3330		73	40-140		
Benzo (k) fluoranthene	2970		µg/kg wet	66.5	3330		89	40-140		
Chrysene	2450		µg/kg wet	66.5	3330		74	40-140		
Dibenzo (a,h) anthracene	2340		µg/kg wet	66.5	3330		70	40-140		
Fluoranthene	2900		µg/kg wet	66.5	3330		87	40-140		
Fluorene	2940		µg/kg wet	66.5	3330		88	40-140		
Indeno (1,2,3-cd) pyrene	2490		µg/kg wet	66.5	3330		75	40-140		
1-Methylnaphthalene	2820		µg/kg wet	66.5	3330		85	40-140		
2-Methylnaphthalene	2980		µg/kg wet	66.5	3330		90	40-140		
Naphthalene	2410		µg/kg wet	66.5	3330		72	40-140		
Phenanthrene	2330		µg/kg wet	66.5	3330		70	40-140		
Pyrene	2340		µg/kg wet	66.5	3330		70	40-140		
Surrogate: 2-Fluorobiphenyl	*2700*		µg/kg wet		*3330*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*2490*		µg/kg wet		*3330*		*75*	*30-130*		
Duplicate (1014438-DUP1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 14-Jul-10					
Acenaphthene	BRL		µg/kg dry	141		BRL				50
Acenaphthylene	BRL		µg/kg dry	141		BRL				50
Anthracene	BRL		µg/kg dry	141		BRL				50
Benzo (a) anthracene	144		µg/kg dry	141		180			22	50
Benzo (a) pyrene	137	J	µg/kg dry	141		159			15	50
Benzo (b) fluoranthene	208		µg/kg dry	141		228			9	50
Benzo (g,h,i) perylene	90.5	J	µg/kg dry	141		82.5			9	50
Benzo (k) fluoranthene	161		µg/kg dry	141		257			46	50
Chrysene	190		µg/kg dry	141		228			19	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 1014438 - SW846 3545A										
Duplicate (1014438-DUP1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 14-Jul-10					
Dibenzo (a,h) anthracene	BRL		µg/kg dry	141		BRL				50
Fluoranthene	301		µg/kg dry	141		400			28	50
Fluorene	BRL		µg/kg dry	141		BRL				50
Indeno (1,2,3-cd) pyrene	87.7	J	µg/kg dry	141		92.1			5	50
1-Methylnaphthalene	BRL		µg/kg dry	141		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	141		BRL				50
Naphthalene	BRL		µg/kg dry	141		BRL				50
Phenanthrene	107	J	µg/kg dry	141		153			35	50
Pyrene	259		µg/kg dry	141		305			16	50
Surrogate: 2-Fluorobiphenyl	*3400*		µg/kg dry		*3540*		*96*	*30-130*		
Surrogate: Terphenyl-dl4	*3350*		µg/kg dry		*3540*		*95*	*30-130*		
Matrix Spike (1014438-MS1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 14-Jul-10					
Acenaphthene	2780		µg/kg dry	70.4	3530	BRL	79	40-140		
Acenaphthylene	2670		µg/kg dry	70.4	3530	BRL	76	40-140		
Anthracene	2770		µg/kg dry	70.4	3530	BRL	79	40-140		
Benzo (a) anthracene	3020		µg/kg dry	70.4	3530	180	80	40-140		
Benzo (a) pyrene	3080		µg/kg dry	70.4	3530	159	83	40-140		
Benzo (b) fluoranthene	3190		µg/kg dry	70.4	3530	228	84	40-140		
Benzo (g,h,i) perylene	2030		µg/kg dry	70.4	3530	82.5	55	40-140		
Benzo (k) fluoranthene	4150		µg/kg dry	70.4	3530	257	110	40-140		
Chrysene	3000		µg/kg dry	70.4	3530	228	78	30-130		
Dibenzo (a,h) anthracene	1970		µg/kg dry	70.4	3530	BRL	56	30-130		
Fluoranthene	3330		µg/kg dry	70.4	3530	400	83	40-140		
Fluorene	3400		µg/kg dry	70.4	3530	BRL	96	40-140		
Indeno (1,2,3-cd) pyrene	1880		µg/kg dry	70.4	3530	92.1	51	40-140		
1-Methylnaphthalene	3010		µg/kg dry	70.4	3530	BRL	85	40-140		
2-Methylnaphthalene	3200		µg/kg dry	70.4	3530	BRL	91	40-140		
Naphthalene	2670		µg/kg dry	70.4	3530	BRL	76	40-140		
Phenanthrene	2900		µg/kg dry	70.4	3530	153	78	40-140		
Pyrene	3140		µg/kg dry	70.4	3530	305	80	40-140		
Surrogate: 2-Fluorobiphenyl	*2960*		µg/kg dry		*3530*		*84*	*30-130*		
Surrogate: Terphenyl-dl4	*3360*		µg/kg dry		*3530*		*95*	*30-130*		
Matrix Spike Dup (1014438-MSD1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 14-Jul-10					
Acenaphthene	2630		µg/kg dry	70.1	3520	BRL	75	40-140	5	30
Acenaphthylene	2560		µg/kg dry	70.1	3520	BRL	73	40-140	4	30
Anthracene	2730		µg/kg dry	70.1	3520	BRL	78	40-140	1	30
Benzo (a) anthracene	2790		µg/kg dry	70.1	3520	180	74	40-140	8	30
Benzo (a) pyrene	2730		µg/kg dry	70.1	3520	159	73	40-140	12	30
Benzo (b) fluoranthene	3020		µg/kg dry	70.1	3520	228	80	40-140	6	30
Benzo (g,h,i) perylene	1640		µg/kg dry	70.1	3520	82.5	44	40-140	22	30
Benzo (k) fluoranthene	3630		µg/kg dry	70.1	3520	257	96	40-140	14	30
Chrysene	2830		µg/kg dry	70.1	3520	228	74	30-130	6	30
Dibenzo (a,h) anthracene	1770		µg/kg dry	70.1	3520	BRL	50	30-130	10	30
Fluoranthene	3050		µg/kg dry	70.1	3520	400	75	40-140	10	30
Fluorene	3270		µg/kg dry	70.1	3520	BRL	93	40-140	4	30
Indeno (1,2,3-cd) pyrene	1700		µg/kg dry	70.1	3520	92.1	46	40-140	10	30
1-Methylnaphthalene	2670		µg/kg dry	70.1	3520	BRL	76	40-140	12	30
2-Methylnaphthalene	3100		µg/kg dry	70.1	3520	BRL	88	40-140	3	30
Naphthalene	2390		µg/kg dry	70.1	3520	BRL	68	40-140	11	30
Phenanthrene	2800		µg/kg dry	70.1	3520	153	75	40-140	4	30
Pyrene	3170		µg/kg dry	70.1	3520	305	82	40-140	1	30

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014438 - SW846 3545A										
Matrix Spike Dup (1014438-MSD1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 14-Jul-10					
Surrogate: 2-Fluorobiphenyl	*2850*		µg/kg dry		*3520*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*3400*		µg/kg dry		*3520*		*97*	*30-130*		
Matrix Spike Dup (1014438-MSD2)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 15-Jul-10					
Acenaphthene	2620		µg/kg dry	70.1	3520	BRL	74	40-140	6	30
Acenaphthylene	2620		µg/kg dry	70.1	3520	BRL	74	40-140	2	30
Anthracene	2690		µg/kg dry	70.1	3520	BRL	76	40-140	3	30
Benzo (a) anthracene	2880		µg/kg dry	70.1	3520	180	77	40-140	5	30
Benzo (a) pyrene	2900		µg/kg dry	70.1	3520	159	78	40-140	6	30
Benzo (b) fluoranthene	3490		µg/kg dry	70.1	3520	228	93	40-140	10	30
Benzo (g,h,i) perylene	1980		µg/kg dry	70.1	3520	82.5	54	40-140	3	30
Benzo (k) fluoranthene	3680		µg/kg dry	70.1	3520	257	97	40-140	12	30
Chrysene	2770		µg/kg dry	70.1	3520	228	72	30-130	8	30
Dibenzo (a,h) anthracene	1930		µg/kg dry	70.1	3520	BRL	55	30-130	2	30
Fluoranthene	2960		µg/kg dry	70.1	3520	400	73	40-140	13	30
Fluorene	3230		µg/kg dry	70.1	3520	BRL	92	40-140	5	30
Indeno (1,2,3-cd) pyrene	1880		µg/kg dry	70.1	3520	92.1	51	40-140	0.8	30
1-Methylnaphthalene	2660		µg/kg dry	70.1	3520	BRL	76	40-140	12	30
2-Methylnaphthalene	3180		µg/kg dry	70.1	3520	BRL	90	40-140	0.3	30
Naphthalene	2480		µg/kg dry	70.1	3520	BRL	71	40-140	7	30
Phenanthrene	2600		µg/kg dry	70.1	3520	153	70	40-140	11	30
Pyrene	3400		µg/kg dry	70.1	3520	305	88	40-140	9	30
Surrogate: 2-Fluorobiphenyl	*2750*		µg/kg dry		*3520*		*78*	*30-130*		
Surrogate: Terphenyl-dl4	*3610*		µg/kg dry		*3520*		*103*	*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 1014369 - SW846 3545A										
Blank (1014369-BLK1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
alpha-BHC	BRL		µg/kg wet	5.00						
alpha-BHC [2C]	BRL		µg/kg wet	5.00						
beta-BHC	BRL		µg/kg wet	5.00						
beta-BHC [2C]	BRL		µg/kg wet	5.00						
delta-BHC	BRL		µg/kg wet	5.00						
delta-BHC [2C]	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Heptachlor [2C]	BRL		µg/kg wet	5.00						
Aldrin	BRL		µg/kg wet	5.00						
Aldrin [2C]	BRL		µg/kg wet	5.00						
Heptachlor epoxide	BRL		µg/kg wet	5.00						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
Endosulfan I [2C]	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Dieldrin [2C]	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	8.00						
Endrin [2C]	BRL		µg/kg wet	8.00						
Endosulfan II	BRL		µg/kg wet	8.00						
Endosulfan II [2C]	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	8.00						
Endosulfan sulfate	BRL		µg/kg wet	8.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	8.00						
Methoxychlor	BRL		µg/kg wet	8.00						
Methoxychlor [2C]	BRL		µg/kg wet	8.00						
Endrin ketone	BRL		µg/kg wet	8.00						
Endrin ketone [2C]	BRL		µg/kg wet	8.00						
Endrin aldehyde	BRL		µg/kg wet	8.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	8.00						
alpha-Chlordane	BRL		µg/kg wet	5.00						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.00						
gamma-Chlordane	BRL		µg/kg wet	5.00						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	100						
Toxaphene [2C]	BRL		µg/kg wet	100						
Chlordane	BRL		µg/kg wet	20.0						
Chlordane [2C]	BRL		µg/kg wet	20.0						
Alachlor	BRL		µg/kg wet	5.00						
Alachlor [2C]	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.7*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.4*		µg/kg wet		*20.0*		*117*	*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 1014369 - SW846 3545A										
LCS (1014369-BS1)						Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
alpha-BHC	46.6		µg/kg wet	5.00	50.0		93	40-140		
alpha-BHC [2C]	43.3		µg/kg wet	5.00	50.0		87	40-140		
beta-BHC	46.7		µg/kg wet	5.00	50.0		93	40-140		
beta-BHC [2C]	46.2		µg/kg wet	5.00	50.0		92	40-140		
delta-BHC	38.6		µg/kg wet	5.00	50.0		77	40-140		
delta-BHC [2C]	36.9		µg/kg wet	5.00	50.0		74	40-140		
gamma-BHC (Lindane)	48.9		µg/kg wet	5.00	50.0		98	50-120		
gamma-BHC (Lindane) [2C]	44.9		µg/kg wet	5.00	50.0		90	50-120		
Heptachlor	47.4		µg/kg wet	5.00	50.0		95	40-140		
Heptachlor [2C]	45.8		µg/kg wet	5.00	50.0		92	40-140		
Aldrin	47.0		µg/kg wet	5.00	50.0		94	40-140		
Aldrin [2C]	45.1		µg/kg wet	5.00	50.0		90	40-140		
Heptachlor epoxide	46.1		µg/kg wet	5.00	50.0		92	50-140		
Heptachlor epoxide [2C]	46.4		µg/kg wet	5.00	50.0		93	50-140		
Endosulfan I	45.2		µg/kg wet	5.00	50.0		90	40-140		
Endosulfan I [2C]	47.4		µg/kg wet	5.00	50.0		95	40-140		
Dieldrin	45.0		µg/kg wet	5.00	50.0		90	40-130		
Dieldrin [2C]	46.7		µg/kg wet	5.00	50.0		93	40-130		
4,4'-DDE (p,p')	44.6		µg/kg wet	5.00	50.0		89	50-140		
4,4'-DDE (p,p') [2C]	48.8		µg/kg wet	5.00	50.0		98	50-140		
Endrin	50.0		µg/kg wet	8.00	50.0		100	50-120		
Endrin [2C]	55.0		µg/kg wet	8.00	50.0		110	50-120		
Endosulfan II	48.9		µg/kg wet	8.00	50.0		98	40-140		
Endosulfan II [2C]	47.7		µg/kg wet	8.00	50.0		95	40-140		
4,4'-DDD (p,p')	44.4		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p') [2C]	45.5		µg/kg wet	8.00	50.0		91	40-140		
Endosulfan sulfate	46.5		µg/kg wet	8.00	50.0		93	50-120		
Endosulfan sulfate [2C]	49.3		µg/kg wet	8.00	50.0		99	50-120		
4,4'-DDT (p,p')	47.5		µg/kg wet	8.00	50.0		95	40-140		
4,4'-DDT (p,p') [2C]	53.2		µg/kg wet	8.00	50.0		106	40-140		
Methoxychlor	50.1		µg/kg wet	8.00	50.0		100	40-140		
Methoxychlor [2C]	61.1		µg/kg wet	8.00	50.0		122	40-140		
Endrin ketone	48.5		µg/kg wet	8.00	50.0		97	40-140		
Endrin ketone [2C]	50.6		µg/kg wet	8.00	50.0		101	40-140		
Endrin aldehyde	41.1		µg/kg wet	8.00	50.0		82	40-140		
Endrin aldehyde [2C]	40.9		µg/kg wet	8.00	50.0		82	40-140		
alpha-Chlordane	44.7		µg/kg wet	5.00	50.0		89	40-140		
alpha-Chlordane [2C]	48.0		µg/kg wet	5.00	50.0		96	40-140		
gamma-Chlordane	45.6		µg/kg wet	5.00	50.0		91	40-130		
gamma-Chlordane [2C]	49.1		µg/kg wet	5.00	50.0		98	40-130		
Alachlor	53.7		µg/kg wet	5.00	50.0		107	40-140		
Alachlor [2C]	48.5		µg/kg wet	5.00	50.0		97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.9*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.6*		µg/kg wet		*20.0*		*123*	*30-150*		
LCS Dup (1014369-BSD1)						Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
alpha-BHC	47.7		µg/kg wet	5.00	50.0		95	40-140	2	30
alpha-BHC [2C]	44.6		µg/kg wet	5.00	50.0		89	40-140	3	30
beta-BHC	47.8		µg/kg wet	5.00	50.0		96	40-140	2	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 1014369 - SW846 3545A										
LCS Dup (1014369-BSD1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
beta-BHC [2C]	47.7		µg/kg wet	5.00	50.0		95	40-140	3	30
delta-BHC	39.2		µg/kg wet	5.00	50.0		78	40-140	2	30
delta-BHC [2C]	37.6		µg/kg wet	5.00	50.0		75	40-140	2	30
gamma-BHC (Lindane)	50.0		µg/kg wet	5.00	50.0		100	50-120	2	30
gamma-BHC (Lindane) [2C]	46.3		µg/kg wet	5.00	50.0		93	50-120	3	30
Heptachlor	48.6		µg/kg wet	5.00	50.0		97	40-140	2	30
Heptachlor [2C]	47.3		µg/kg wet	5.00	50.0		95	40-140	3	30
Aldrin	48.4		µg/kg wet	5.00	50.0		97	40-140	3	30
Aldrin [2C]	46.2		µg/kg wet	5.00	50.0		92	40-140	2	30
Heptachlor epoxide	45.3		µg/kg wet	5.00	50.0		91	50-140	2	30
Heptachlor epoxide [2C]	48.0		µg/kg wet	5.00	50.0		96	50-140	3	30
Endosulfan I	46.7		µg/kg wet	5.00	50.0		93	40-140	3	30
Endosulfan I [2C]	48.8		µg/kg wet	5.00	50.0		98	40-140	3	30
Dieldrin	46.7		µg/kg wet	5.00	50.0		93	40-130	4	30
Dieldrin [2C]	46.9		µg/kg wet	5.00	50.0		94	40-130	0.4	30
4,4'-DDE (p,p')	46.5		µg/kg wet	5.00	50.0		93	50-140	4	30
4,4'-DDE (p,p') [2C]	50.8		µg/kg wet	5.00	50.0		102	50-140	4	30
Endrin	52.1		µg/kg wet	8.00	50.0		104	50-120	4	30
Endrin [2C]	56.0		µg/kg wet	8.00	50.0		112	50-120	2	30
Endosulfan II	49.2		µg/kg wet	8.00	50.0		98	40-140	0.5	30
Endosulfan II [2C]	42.4		µg/kg wet	8.00	50.0		85	40-140	12	30
4,4'-DDD (p,p')	47.1		µg/kg wet	8.00	50.0		94	40-140	6	30
4,4'-DDD (p,p') [2C]	44.7		µg/kg wet	8.00	50.0		89	40-140	2	30
Endosulfan sulfate	47.9		µg/kg wet	8.00	50.0		96	50-120	3	30
Endosulfan sulfate [2C]	49.6		µg/kg wet	8.00	50.0		99	50-120	0.6	30
4,4'-DDT (p,p')	50.5		µg/kg wet	8.00	50.0		101	40-140	6	30
4,4'-DDT (p,p') [2C]	55.6		µg/kg wet	8.00	50.0		111	40-140	4	30
Methoxychlor	52.3		µg/kg wet	8.00	50.0		105	40-140	4	30
Methoxychlor [2C]	61.7		µg/kg wet	8.00	50.0		123	40-140	0.9	30
Endrin ketone	51.6		µg/kg wet	8.00	50.0		103	40-140	6	30
Endrin ketone [2C]	50.6		µg/kg wet	8.00	50.0		101	40-140	0.08	30
Endrin aldehyde	44.6		µg/kg wet	8.00	50.0		89	40-140	8	30
Endrin aldehyde [2C]	41.5		µg/kg wet	8.00	50.0		83	40-140	1	30
alpha-Chlordane	45.3		µg/kg wet	5.00	50.0		91	40-140	1	30
alpha-Chlordane [2C]	50.2		µg/kg wet	5.00	50.0		100	40-140	5	30
gamma-Chlordane	47.2		µg/kg wet	5.00	50.0		94	40-130	3	30
gamma-Chlordane [2C]	52.4		µg/kg wet	5.00	50.0		105	40-130	6	30
Alachlor	58.0		µg/kg wet	5.00	50.0		116	40-140	8	30
Alachlor [2C]	49.9		µg/kg wet	5.00	50.0		100	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.5*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	23.7		µg/kg wet		*20.0*		*119*	*30-150*		
Batch 1014370 - SW846 3545A										
Blank (1014370-BLK1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014370 - SW846 3545A										
Blank (1014370-BLK1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
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)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.5*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.3*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS (1014370-BS1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	261		µg/kg wet	20.0	250		104	50-140		
Aroclor-1016 [2C]	248		µg/kg wet	20.0	250		99	50-140		
Aroclor-1260	229		µg/kg wet	20.0	250		91	50-140		
Aroclor-1260 [2C]	226		µg/kg wet	20.0	250		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
LCS Dup (1014370-BSD1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	264		µg/kg wet	20.0	250		106	50-140	1	30
Aroclor-1016 [2C]	257		µg/kg wet	20.0	250		103	50-140	3	30
Aroclor-1260	245		µg/kg wet	20.0	250		98	50-140	7	30
Aroclor-1260 [2C]	231		µg/kg wet	20.0	250		93	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.4*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.1*		µg/kg wet		*20.0*		*90*	*30-150*		
Duplicate (1014370-DUP1)			Source: SB14711-01			Prepared: 08-Jul-10 Analyzed: 10-Jul-10				
Aroclor-1016	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1221	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1232	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1242	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1248	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1254	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1260 [2C]	73.2		µg/kg dry	21.6		72.5			0.9	40
Aroclor-1262	BRL		µg/kg dry	21.6		BRL				40
Aroclor-1268	BRL		µg/kg dry	21.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.6*		µg/kg dry		*21.6*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg dry		*21.6*		*102*	*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 1014370 - SW846 3545A										
Duplicate (1014370-DUP1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Surrogate: Decachlorobiphenyl (Sr)	*19.6*		µg/kg dry		*21.6*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.3*		µg/kg dry		*21.6*		*85*	*30-150*		
Matrix Spike (1014370-MS1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	239		µg/kg dry	20.9	261	BRL	91	40-135		
Aroclor-1260 [2C]	285		µg/kg dry	20.9	261	72.5	82	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.4*		µg/kg dry		*20.9*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*34.3*	S02	µg/kg dry		*20.9*		*165*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg dry		*20.9*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg dry		*20.9*		*81*	*30-150*		
Matrix Spike Dup (1014370-MSD1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	250		µg/kg dry	20.6	258	BRL	97	40-135	6	30
Aroclor-1260 [2C]	314		µg/kg dry	20.6	258	72.5	94	40-135	14	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.4*		µg/kg dry		*20.6*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.1*		µg/kg dry		*20.6*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.5*		µg/kg dry		*20.6*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.8*		µg/kg dry		*20.6*		*86*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014436 - SW846 3545A										
Blank (1014436-BLK1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
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	*2.55*		mg/kg wet		*3.33*		*76*	*50-150*		
LCS (1014436-BS1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
C9-C36 Aliphatic Hydrocarbons	64.9		mg/kg wet	13.3	93.3		70	60-120		
Surrogate: 1-Chlorooctadecane	*2.10*		mg/kg wet		*3.33*		*63*	*50-150*		
Duplicate (1014436-DUP1)		R01	Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Gasoline	BRL		mg/kg dry	56.4		BRL				50
Fuel Oil #2	BRL		mg/kg dry	56.4		BRL				50
Fuel Oil #4	BRL		mg/kg dry	56.4		BRL				50
Fuel Oil #6	BRL		mg/kg dry	56.4		BRL				50
Motor Oil	BRL		mg/kg dry	56.4		BRL				50
Aviation Fuel	BRL		mg/kg dry	56.4		BRL				50
Unidentified	236		mg/kg dry	56.4		231			2	50
Other Oil	Calculated as		mg/kg dry	56.4		alculated a				50
Total Petroleum Hydrocarbons	236		mg/kg dry	56.4		231			2	50
C9-C36 Aliphatic Hydrocarbons	236		mg/kg dry	56.4		231			2	50
Surrogate: 1-Chlorooctadecane	*2.70*		mg/kg dry		*3.54*		*76*	*50-150*		
Matrix Spike (1014436-MS1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
C9-C36 Aliphatic Hydrocarbons	135	QM7	mg/kg dry	28.4	99.8	231	-96	50-150		
Surrogate: 1-Chlorooctadecane	*1.80*		mg/kg dry		*3.56*		*50*	*50-150*		
Matrix Spike Dup (1014436-MSD1)			Source: SB14711-01		Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
C9-C36 Aliphatic Hydrocarbons	139	QM7	mg/kg dry	28.3	99.1	231	-93	50-150	NR	30
Surrogate: 1-Chlorooctadecane	*1.76*		mg/kg dry		*3.54*		*50*	*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 1014441 - SW846 3050B										
Blank (1014441-BLK1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Lead	BRL		mg/kg wet	1.37						
Arsenic	BRL		mg/kg wet	1.37						
Cadmium	BRL		mg/kg wet	0.456						
Chromium	BRL		mg/kg wet	0.911						
Duplicate (1014441-DUP1)			Source: SB14711-04		Prepared: 09-Jul-10 Analyzed: 11-Jul-10					
Lead	30.9	QR6	mg/kg dry	1.59		43.3			33	20
Arsenic	2.39		mg/kg dry	1.59		2.60			8	20
Cadmium	0.694		mg/kg dry	0.529		0.760			9	20
Chromium	22.8		mg/kg dry	1.06		24.4			7	20
Matrix Spike (1014441-MS1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Lead	218		mg/kg dry	1.56	130	98.1	92	75-125		
Arsenic	116		mg/kg dry	1.56	130	1.75	88	75-125		
Chromium	154		mg/kg dry	1.04	130	21.1	103	75-125		
Cadmium	123		mg/kg dry	0.519	130	0.491	94	75-125		
Matrix Spike Dup (1014441-MSD1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Lead	205		mg/kg dry	1.40	116	98.1	92	75-125	6	20
Arsenic	102		mg/kg dry	1.40	116	1.75	86	75-125	13	20
Cadmium	110		mg/kg dry	0.465	116	0.491	94	75-125	11	20
Chromium	143		mg/kg dry	0.930	116	21.1	105	75-125	8	20
Post Spike (1014441-PS1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 11-Jul-10					
Lead	203		mg/kg dry	1.47	122	98.1	86	80-120		
Chromium	140		mg/kg dry	0.978	122	21.1	97	80-120		
Cadmium	114		mg/kg dry	0.489	122	0.491	93	80-120		
Arsenic	109		mg/kg dry	1.47	122	1.75	87	80-120		
Reference (1014441-SRM1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Lead	69.9		mg/kg wet	1.50	72.9		96	81.3-118.8		
Arsenic	67.2		mg/kg wet	1.50	69.9		96	82.6-117.4		
Chromium	52.4		mg/kg wet	1.00	53.2		99	80.3-119		
Cadmium	33.0		mg/kg wet	0.500	35.9		92	82.9-116.9		
Reference (1014441-SRM2)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Lead	69.0		mg/kg wet	1.50	72.4		95	81.3-118.8		
Chromium	50.7		mg/kg wet	1.00	52.8		96	80.3-119		
Cadmium	32.3		mg/kg wet	0.500	35.7		90	82.9-116.9		
Arsenic	65.3		mg/kg wet	1.50	69.4		94	82.6-117.4		
Batch 1014442 - EPA200/SW7000 Series										
Blank (1014442-BLK1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	BRL		mg/kg wet	0.0288						
Duplicate (1014442-DUP1)			Source: SB14711-04		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	0.0493		mg/kg dry	0.0324		0.0490			0.6	20
Matrix Spike (1014442-MS1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	0.494		mg/kg dry	0.0288	0.400	0.0768	104	75-125		
Matrix Spike Dup (1014442-MSD1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	0.524		mg/kg dry	0.0297	0.413	0.0768	108	75-125	6	20
Post Spike (1014442-PS1)			Source: SB14711-03		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	0.543		mg/kg dry	0.0297	0.412	0.0768	113	80-120		
Reference (1014442-SRM1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Mercury	6.92		mg/kg wet	0.600	6.62		105	71.5-128.1		

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 1015310 - SW846 3010A										
Blank (1015310-BLK1)					Prepared & Analyzed: 20-Jul-10					
Lead	BRL		mg/l	0.0150						
Cadmium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0100						
LCS (1015310-BS1)					Prepared & Analyzed: 20-Jul-10					
Lead	2.57		mg/l	0.0150	2.50		103	85-115		
Cadmium	2.60		mg/l	0.0050	2.50		104	85-115		
Chromium	2.61		mg/l	0.0100	2.50		104	85-115		
LCS Dup (1015310-BSD1)					Prepared & Analyzed: 20-Jul-10					
Lead	2.57		mg/l	0.0150	2.50		103	85-115	0.2	20
Cadmium	2.61		mg/l	0.0050	2.50		104	85-115	0.3	20
Chromium	2.60		mg/l	0.0100	2.50		104	85-115	0.5	20
Duplicate (1015310-DUP1)			Source: SB14711-06		Prepared & Analyzed: 20-Jul-10					
Cadmium	0.0007	J,QR8	mg/l	0.0050		0.0027			118	20
Matrix Spike (1015310-MS1)			Source: SB14711-05		Prepared & Analyzed: 20-Jul-10					
Cadmium	2.57		mg/l	0.0050	2.50	0.0011	103	75-125		
Matrix Spike Dup (1015310-MSD1)			Source: SB14711-05		Prepared & Analyzed: 20-Jul-10					
Cadmium	2.49		mg/l	0.0050	2.50	0.0011	100	75-125	3	20
Post Spike (1015310-PS1)			Source: SB14711-05		Prepared & Analyzed: 20-Jul-10					
Cadmium	2.71		mg/l	0.0050	2.50	0.0011	108	75-125		

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S006196			
Performance Mix (S006196-PEM1)			
4,4'-DDT (p,p')	1	0.7	15.0
Endrin	1	1.0	15.0
4,4'-DDT (p,p')	2	1.2	15.0
Endrin	2	1.8	15.0
Performance Mix (S006196-PEM2)			
4,4'-DDT (p,p')	1	0.1	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	1.7	15.0
Endrin	2	4.8	15.0
Batch S006220			
Performance Mix (S006220-PEM1)			
4,4'-DDT (p,p')	1	0.1	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	1.7	15.0
Endrin	2	4.8	15.0
Performance Mix (S006220-PEM2)			
4,4'-DDT (p,p')	1	2.4	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	5.7	15.0
Endrin	2	2.4	15.0

Notes and Definitions

DC1	The analyte result for the confirmation column was outside of the acceptance limits. The result from the primary column was used. The analyte was not detected in the associated samples.
IS1	Internal standard out due to matrix interference
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
R01	The Reporting Limit has been raised to account for matrix interference.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
N	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.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Logical Environmental Solutions

Project Location: Flatbush Wetland Mitigation - Hartford, CT

Project Number: 171-305

Sampling Date(s):
7/1/2010

Laboratory Sample ID(s):
SB14711-01 through SB14711-06

RCP Methods Used:

+CT ETPH
SW846 1312
SW846 1312/6010B
SW846 6010B
SW846 7471A
SW846 8081A
SW846 8082
SW846 8260B/C
SW846 8270C/D

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)?	Yes	No
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
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 ✓ Yes	No 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: 7/23/2010

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Fe...TPH15021610\CCV0216.D Vial: 53
Signal(s) : FID1A.CH
Acq On : 17 Feb 2010 7:45 am Operator: SHM
Sample : CCV0216 Inst : HP G1530A
Misc : 100ppb Aliphatic ICV Multiplr: 1.00
Integration File: events.e
Quant Time: Feb 17 12:23:46 2010
Quant Results File: T150216J.RES

Quant Method : C:\msdchem\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Wed Feb 17 11:21:49 2010
Response via : Initial Calibration
DataAcq Meth:T150212I.M

Volume Inj. :
Signal Phase :
Signal Info :

-07
-08

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.432	-2.3	100	0.00
8 T	C9-Nonae	100.000	111.365	-11.4	108	0.05
9 T	C10-Decane	100.000	110.589	-10.6	107	0.05
10 T	C12-Dodecane	100.000	108.263	-8.3	105	0.05
11 T M	C14-Tetradecane	100.000	105.394	-5.4	102	0.05
12 T	C16-Hexadecane	100.000	103.205	-3.2	100	0.05
13 T	C18-Octadecane	100.000	101.095	-1.1	98	0.05
14 T	C19-Nonadecane	100.000	100.162	-0.2	97	0.05
16 S	COD-1ChloroOctadec	-1.000	50.740	0.0	0	0.05
17 T M	C20-Eicosane	100.000	98.934	1.1	96	0.05
18 T	C22-Docosane	100.000	97.460	2.5	94	0.05
19 T	C24-Tetracosane	100.000	96.129	3.9	93	0.05
20 T	C26-Hecxacosane	100.000	96.146	3.9	93	0.05
21 T M	C28-Octacosane	100.000	96.382	3.6	94	0.05
22 T	C30-Triacontane	100.000	95.411	4.6	92	0.05
23 T	C36-Hexatriacontane	100.000	81.910	18.1	73	0.15

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.33#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Ju...PH15070910\MC150709.D Vial: 27
Signal(s) : FID1A.CH
Acq On : 10 Jul 2010 2:12 am
Sample : MC150709
Misc : 100ppb Aliphatic CCV
Integration File: events.e
Quant Time: Jul 12 09:09:24 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Fri Jul 02 09:00:07 2010
Response via : Initial Calibration
DataAcq Meth:T150216J.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH	C9-C36 Aliphatics	1.400	1.282	8.4	90	0.00
8	T	C9-Nonae	100.000	93.954	6.0	91	0.00
9	T	C10-Decane	100.000	93.203	6.8	90	0.00
10	T	C12-Dodecane	100.000	90.758	9.2	88	0.00
11	T M	C14-Tetradecane	100.000	89.113	10.9	86	0.00
12	T	C16-Hexadecane	100.000	88.051	11.9	85	0.00
13	T	C18-Octadecane	100.000	86.386	13.6	84	0.00
14	T	C19-Nonadecane	100.000	85.015	15.0	82	0.00
16	S	COD-1ChloroOctadec	-1.000	44.861	0.0	0	0.00
17	T M	C20-Eicosane	100.000	83.648	16.4	81	0.00
18	T	C22-Docosane	100.000	81.081	18.9	79	0.00
19	T	C24-Tetracosane	100.000	81.476	18.5	79	0.00
20	T	C26-Hecxacosane	100.000	84.179	15.8	82	-0.01
21	T M	C28-Octacosane	100.000	80.695	19.3	78	-0.02
22	T	C30-Triacontane	100.000	87.902	12.1	85	-0.03
23	T	C36-Hexatriacontane	100.000	81.874	18.1	73	-0.06

Evaluate Continuing Calibration Report - Not Founds

1	TPH	Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH	DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH	#2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH	#6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH	Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7		ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15	S	OTP	-1.000	0.719	0.0	0	-7.20#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Ju...TPH15070910\MC20709.D Vial: 53
Signal(s) : FID1A.CH
Acq On : 10 Jul 2010 12:30 pm
Sample : MC20709
Misc : 100ppb Aliphatic CCV
Integration File: events.e
Quant Time: Jul 12 08:09:10 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Fri Jul 02 09:00:07 2010
Response via : Initial Calibration
DataAcq Meth:T150216J.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.304	6.9	91	0.00
8 T	C9-Nonae	100.000	95.967	4.0	93	0.00
9 T	C10-Decane	100.000	95.178	4.8	92	0.00
10 T	C12-Dodecane	100.000	92.942	7.1	90	0.00
11 T M	C14-Tetradecane	100.000	91.104	8.9	88	0.00
12 T	C16-Hexadecane	100.000	90.109	9.9	87	0.00
13 T	C18-Octadecane	100.000	88.560	11.4	86	0.00
14 T	C19-Nonadecane	100.000	87.465	12.5	85	0.00
16 S	COD-1ChloroOctadec	-1.000	46.410	0.0	0	0.00
17 T M	C20-Eicosane	100.000	86.201	13.8	83	0.00
18 T	C22-Docosane	100.000	84.006	16.0	81	0.00
19 T	C24-Tetracosane	100.000	82.396	17.6	80	0.00
20 T	C26-Hecxacosane	100.000	81.048	19.0	79	-0.01
21 T M	C28-Octacosane	100.000	80.673	19.3	78	-0.02
22 T	C30-Triacontane	100.000	80.131	19.9	78	-0.03
23 T	C36-Hexatriacontane	100.000	81.596	18.4	73	-0.05

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.20#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

SB14744

SPECTRUM ANALYTICAL, INC.
Powering
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 7/7/10
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 Day TAT

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 8608701780
Project Mgr. Michelle Mahne - DTC

Invoice To: CTDOT - DAS Contract
c/o LES
Attn: C. Knight
Rush Order # 7575
P.O. No.: RQN:

Project No.: 171-305
Site Name: Flatbush Wetland Mitigation - Bikeway Project
Location: Hartford State: CT
Sampler(s): C. Knight

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=H20 10= 11=

List preservative code below: 7/4

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: CTDep GA PMC + RDEC

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	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260	PAHs 8270 Pentachlorophenol 8081/8082	CT ETPH Total Arsenic Lead Chromium (6+)	Total Mercury (Hg)	
47[illegible]-01	FSB-5 1-3'	7-1-10	5:12 pm	C	SO	3	1			X	X	X	X	X
-02	FSB-6 1-3'		5:23 pm											
-03	FSB-8 1-3'		5:30 pm											
-04	FSB-12 1-3'		5:42 pm											
-05	FSB-14 2-4'		5:55 pm											
-06	FSB-14 4-6'		6:19 pm	↓	↓	↓	↓			↓	↓	↓	↓	↓

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	7-2-10	11:50	18
[signature]	[signature]	7/2/10	18:15	17

☑ EDD Format PDF
☑ E-mail to ck@logicalenvironmental.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Probe temp. °C ☐ Freezer temp °C

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

SB14710

SPECTRUM ANALYTICAL, INC.
Formerly
HANSEN TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 Day TAT

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 8608701780
Project Mgr. Michelle Malone - DTC

Invoice To: CTDOT - DMS Contract
c/o LES
Attn: C. Knight
Rush Order # 7575
P.O. No.: _____ RQN: _____

Project No.: 171-305
Site Name: Flatbush Wetland Mitigation - Business Project
Location: Hartford State: CT
Sampler(s): C. Knight

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=H_2O 10= 11=

List preservative code below: 7/9

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

G=Grab C=Composite

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: VOCs-8260 | PAHs-8270 | Partial Haz + PCBs 8081/8082 | CT ETPH | Total Arsenic, Lead, Cd, Chromium (6010) | Total Mercury (7471) | SVOC's 8270 | SVOC's 8270 SIM Cd

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: CTDOT QA/QC and RSRs

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs-8260	PAHs-8270	Partial Haz + PCBs 8081/8082	CT ETPH	Total Arsenic, Lead, Cd, Chromium (6010)	Total Mercury (7471)	SVOC's 8270	SVOC's 8270 SIM Cd
14711-01	FSB-5 1-3'	7-1-10	5:12 am	C	SO	3	1			X	X	X	X	X	X	X	X
-02	FSB-6 1-3'		5:23 am													X	
-03	FSB-8 1-3'		5:30 am													X	
-04	FSB-12 1-3'		5:42 am													X	
-05	FSB-14 2-4'		5:55 am													X	X
-06	FSB-14 4-6'		6:19 am													X	X

Acid preserved per client request in field

Relinquished by:	Received by:	Date:	Time:	Temp °C
		7-2-10	11:30	13
		7/2/10	18:15	1.7

☒ EDD Format: PDF
☒ E-mail to: ck@logicalenvironmental.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp. °C ☐ Freezer temp °C

Report Date:
22-Jul-10 15:43

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Attn: Cindy Knight

Project: Flatbush Wetland Mitigation - Hartford, CT
Project #: 171-305

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB14713-01	FSB-1 1'-3'	Soil	02-Jul-10 05:18	02-Jul-10 18:26
SB14713-02	FSB-1 1'-3' Dup	Soil	02-Jul-10 05:23	02-Jul-10 18:26
SB14713-03	FSB-2 2'-4'	Soil	02-Jul-10 06:18	02-Jul-10 18:26
SB14713-04	FSB-2 4'-8'	Soil	02-Jul-10 06:22	02-Jul-10 18:26
SB14713-05	FSB-3 2'-4'	Soil	02-Jul-10 06:45	02-Jul-10 18:26
SB14713-06	FSB-3 4'-8'	Soil	02-Jul-10 06:50	02-Jul-10 18:26
SB14713-07	FSB-4 2'-4'	Soil	02-Jul-10 07:12	02-Jul-10 18:26
SB14713-08	FSB-4 4'-8'	Soil	02-Jul-10 07:22	02-Jul-10 18:26
SB14713-09	FSB-7 2'-4'	Soil	02-Jul-10 07:45	02-Jul-10 18:26
SB14713-10	FSB-9 1'-3'	Soil	02-Jul-10 09:20	02-Jul-10 18:26
SB14713-11	FSB-10 1'-3'	Soil	02-Jul-10 09:50	02-Jul-10 18:26
SB14713-12	FSB-11 1'-3'	Soil	02-Jul-10 10:10	02-Jul-10 18:26
SB14713-13	FSB-13 1'-3'	Soil	02-Jul-10 10:00	02-Jul-10 18:26
SB14713-14	FSB-15 1'-3'	Soil	02-Jul-10 08:55	02-Jul-10 18:26
SB14713-15	FSB-1 GW	Aqueous	02-Jul-10 05:55	02-Jul-10 18:26
SB14713-16	FSB-7 GW	Aqueous	02-Jul-10 08:35	02-Jul-10 18:26
SB14713-17	FB-1	Deionized Water	02-Jul-10 10:00	02-Jul-10 18:26

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 152 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are 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 1.3 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 3.3 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.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 7/2/2010 at 18:26.

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.

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.

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.

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.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Additional dilution factors may be required to keep analyte concentration within instrument calibration.

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

+CT ETPH

Samples:

SB14713-14 *FSB-15 1'-3'*

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

SB14713-16 *FSB-7 GW*

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

SW846 6010B

Duplicates:

1015370-DUP1 *Source: SB14713-15*

SW846 6010B

Duplicates:

1015370-DUP1 *Source: SB14713-15*

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.

Arsenic

SW846 8081A

Calibration:

S006143-CCV2

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

4,4'-DDT (p,p') [2C]

S006196-CCV1

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

Methoxychlor [2C]

S006196-CCV2

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

Methoxychlor [2C]

S006235-CCV1

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

Methoxychlor [2C]

Spikes:

1014485-MS1 *Source: SB14713-10*

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

gamma-Chlordane

1014485-MSD1 *Source: SB14713-10*

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

gamma-Chlordane

Samples:

S006143-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

4,4'-DDT (p,p') [2C] (-29.9%)

This affected the following samples:

1014170-BLK1
1014170-BS1
1014170-BSD1

SW846 8081A

Samples:

S006196-CCV1

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Methoxychlor [2C] (22.3%)

This affected the following samples:

1014369-BLK1
1014369-BS1
1014369-BSD1
FSB-1 1'-3'
FSB-1 1'-3' Dup
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 2'-4'
FSB-4 4'-8'

S006196-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Methoxychlor [2C] (25.4%)

This affected the following samples:

1014369-BLK1
1014369-BS1
1014369-BSD1
FSB-1 1'-3'
FSB-1 1'-3' Dup
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 2'-4'
FSB-4 4'-8'

S006235-CCV1

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Methoxychlor [2C] (25.4%)

This affected the following samples:

1014485-BLK1
1014485-BS1
1014485-BSD1
1014485-DUP1
1014485-MS1
1014485-MSD1

SW846 8082

Samples:

SB14713-10 *FSB-9 1'-3'*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SW846 8260B/C

Calibration:

1005007

Analyte quantified by quadratic equation type calibration.

Carbon tetrachloride
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

S003946-ICV1

1006021

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1014632-BLK1
1014632-BS1
1014632-BSD1
FSB-11 1'-3'
FSB-4 2'-4'
S005069-ICV1
S006244-CCV1

1006023

Analyte quantified by quadratic equation type calibration.

Naphthalene

SW846 8260B/C

Calibration:

1006023

This affected the following samples:

1014495-BLK1
1014495-BS1
1014495-BSD1
1014612-BLK1
1014612-BS1
1014612-BSD1
FSB-1 1'-3'
FSB-1 1'-3' Dup
FSB-10 1'-3'
FSB-13 1'-3'
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 4'-8'
FSB-7 2'-4'
FSB-9 1'-3'
S005098-ICV1
S006189-CCV1
S006263-CCV1

1007001

Analyte quantified by quadratic equation type calibration.

trans-1,3-Dichloropropene

This affected the following samples:

S005992-ICV1

1007002

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
Bromoform
Dibromochloromethane
trans-1,4-Dichloro-2-butene

This affected the following samples:

1014307-BLK1
1014307-BS1
1014307-BSD1
FB-1
FSB-1 GW
FSB-7 GW
S006074-ICV1
S006090-CCV1

S003946-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

1,1,2-Trichlorotrifluoroethane (Freon 113) (141%)

SW846 8260B/C

Calibration:

S003946-ICV1

This affected the following samples:

1014387-BLK1
1014387-BS1
1014387-BSD1
1014387-MS1
1014387-MSD1
FSB-13 1'-3'
S006159-CCV1

Laboratory Control Samples:

1014495 BS/BSD

2-Butanone (MEK) percent recoveries (69/65) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-1 1'-3'
FSB-1 1'-3' Dup
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 4'-8'
FSB-7 2'-4'

1014517 BS/BSD

Bromomethane percent recoveries (55/64) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-15 1'-3'

Chloromethane percent recoveries (72/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-15 1'-3'

Vinyl chloride percent recoveries (78/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-15 1'-3'

1014612 BS/BSD

2-Butanone (MEK) percent recoveries (69/70) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FSB-10 1'-3'
FSB-13 1'-3'
FSB-9 1'-3'

Acetone percent recoveries (96/136) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FSB-10 1'-3'
FSB-13 1'-3'
FSB-9 1'-3'

SW846 8260B/C

Laboratory Control Samples:

1014612 BS/BSD

n-Butylbenzene percent recoveries (105/139) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FSB-10 1'-3'
FSB-13 1'-3'
FSB-9 1'-3'

1014612 BSD

n-Butylbenzene RPD 28% (25%) is outside individual acceptance criteria, but within overall method allowances.

1014632 BS/BSD

4-Methyl-2-pentanone (MIBK) percent recoveries (129/134) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FSB-11 1'-3'
FSB-4 2'-4'

Samples:

S006090-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Acetone (-22.8%)
Tert-Butanol / butyl alcohol (-24.0%)

This affected the following samples:

1014307-BLK1
1014307-BS1
1014307-BSD1
FB-1
FSB-1 GW
FSB-7 GW

S006159-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (27.5%)
4-Methyl-2-pentanone (MIBK) (-20.5%)
Acetone (-31.7%)
Acrylonitrile (-25.5%)
Chloromethane (-23.2%)
Ethanol (-29.4%)
Naphthalene (30.1%)
Tert-Butanol / butyl alcohol (-34.0%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Dichlorodifluoromethane (Freon12) (-21.1%)
trans-1,4-Dichloro-2-butene (22.0%)
Vinyl chloride (-23.3%)

This affected the following samples:

1014387-BLK1
1014387-BS1
1014387-BSD1
1014387-MS1
1014387-MSD1

SW846 8260B/C

Samples:

S006189-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-21.1%)

This affected the following samples:

1014495-BLK1
1014495-BS1
1014495-BSD1
FSB-1 1'-3'
FSB-1 1'-3' Dup
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 4'-8'
FSB-7 2'-4'

S006193-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1-Trichloroethane (-20.6%)
1,1-Dichloroethene (-20.6%)
2,2-Dichloropropane (-22.0%)
Bromomethane (-36.1%)
Chloroethane (-20.2%)
Chloromethane (-33.2%)
Di-isopropyl ether (-20.3%)
Ethyl tert-butyl ether (-20.4%)
Hexachlorobutadiene (-22.1%)
Vinyl chloride (-31.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Tert-amyl methyl ether (-21.9%)

This affected the following samples:

1014517-BLK1
1014517-BS1
1014517-BSD1
FSB-15 1'-3'

S006244-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (22.5%)
Acetone (-20.4%)
Chloroethane (-20.3%)
Chloromethane (-35.2%)
Di-isopropyl ether (-20.4%)
Ethanol (-25.1%)
Tetrahydrofuran (-25.0%)
Vinyl chloride (-27.3%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

n-Butylbenzene (-27.4%)

SW846 8260B/C

Samples:

S006244-CCV1

This affected the following samples:

1014632-BLK1
1014632-BS1
1014632-BSD1
FSB-11 1'-3'
FSB-4 2'-4'

S006263-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Ethanol (-23.7%)
Tert-Butanol / butyl alcohol (-21.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-25.8%)

This affected the following samples:

1014612-BLK1
1014612-BS1
1014612-BSD1
FSB-10 1'-3'
FSB-13 1'-3'
FSB-9 1'-3'

SB14713-07 *FSB-4 2'-4'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB14713-12 *FSB-11 1'-3'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB14713-14 *FSB-15 1'-3'*

Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.

SB14713-15 *FSB-1 GW*

Insufficient preservative to reduce the sample pH to less than 2.

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

SB14713-16 *FSB-7 GW*

The Reporting Limits for this analysis are elevated due to sample foaming.

SW846 8270C/D

Samples:

S006324-CCV1

SW846 8270C/D

Samples:

S006324-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzo (b) fluoranthene (-25.7%)

This affected the following samples:

FB-1
FSB-1 GW
FSB-7 GW

S006438-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Anthracene (21.5%)

This affected the following samples:

FSB-10 1'-3'
FSB-11 1'-3'
FSB-13 1'-3'
FSB-15 1'-3'
FSB-2 2'-4'
FSB-2 4'-8'
FSB-3 2'-4'
FSB-3 4'-8'
FSB-4 2'-4'
FSB-4 4'-8'
FSB-9 1'-3'

SB14713-16 *FSB-7 GW*

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

2-Fluorobiphenyl

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3'	171-305	Soil	02-Jul-10 05:18	02-Jul-10
SB14713-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.2 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	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	12.0	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3'	171-305	Soil	02-Jul-10 05:18	02-Jul-10
SB14713-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.2 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	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	12.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	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	12.0	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	29.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2400	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*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/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	146	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3'	171-305	Soil	02-Jul-10 05:18	02-Jul-10
SB14713-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	146	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	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	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	146	1	"	"	"	"	"	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*	*62*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.80	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.47	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	55.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3'	171-305	Soil	02-Jul-10 05:18	02-Jul-10
SB14713-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.80	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*74*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.2	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*112*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	29.2	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*90*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.54	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	0.798		mg/kg dry	0.515	1	"	"	"	"	"	X
7440-47-3	Chromium	22.8		mg/kg dry	1.03	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0301	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	8.70		mg/kg dry	1.54	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3'	171-305	Soil	02-Jul-10 05:18	02-Jul-10
SB14713-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	15-Jul-10	16-Jul-10	DT	1015022	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	19-Jul-10	19-Jul-10	TBG	1015078	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.2		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3' Dup	171-305	Soil	02-Jul-10 05:23	02-Jul-10
SB14713-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.99 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3' Dup	171-305	Soil	02-Jul-10 05:23	02-Jul-10
SB14713-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds						Initial weight: 4.99 g						
Prepared by method SW846 5035A Soil (low level)												
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.8	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	116	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	29.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2330	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	141	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	141	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3' Dup	171-305	Soil	02-Jul-10 05:23	02-Jul-10
SB14713-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	141	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	141	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	141	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*61*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.67	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.26	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.67	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3' Dup	171-305	Soil	02-Jul-10 05:23	02-Jul-10
SB14713-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.67	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.7	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*		*30-150 %*			"	"	"	"	"	
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	08-Jul-10	09-Jul-10	SHM	1014436	
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	BRL		mg/kg dry	28.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*95*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.51	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	0.758		mg/kg dry	0.502	1	"	"	"	"	"	X
7440-47-3	Chromium	23.2		mg/kg dry	1.00	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0288	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	7.51		mg/kg dry	1.51	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 1'-3' Dup	171-305	Soil	02-Jul-10 05:23	02-Jul-10
SB14713-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	15-Jul-10	16-Jul-10	DT	1015022	
7440-47-3	Chromium	0.0128		mg/l	0.0100	1	SW846 1312/6010B	19-Jul-10	20-Jul-10	JB	1015078	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	19-Jul-10	"	"	
General Chemistry Parameters												
	% Solids	92.5		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 2'-4'	171-305	Soil	02-Jul-10 06:18	02-Jul-10
SB14713-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.18 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	70.3	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	14.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	70.3	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	14.1	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	14.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.1	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	14.1	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	14.1	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	70.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 2'-4'	171-305	Soil	02-Jul-10 06:18	02-Jul-10
SB14713-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.18 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	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	70.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	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	14.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.1	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	70.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	141	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2810	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	162	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	162	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 2'-4'	171-305	Soil	02-Jul-10 06:18	02-Jul-10
SB14713-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	162	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
206-44-0	Fluoranthene	243		µg/kg dry	162	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
129-00-0	Pyrene	227		µg/kg dry	162	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*90*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.03	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.85	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.03	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 2'-4'	171-305	Soil	02-Jul-10 06:18	02-Jul-10
SB14713-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.03	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.1	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	32.4	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
	Unidentified	107		mg/kg dry	32.4	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	32.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	107		mg/kg dry	32.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	107		mg/kg dry	32.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*84*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.19		mg/kg dry	1.79	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	1.95		mg/kg dry	0.596	1	"	"	"	"	"	X
7440-47-3	Chromium	36.7		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0781		mg/kg dry	0.0327	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	33.3		mg/kg dry	1.79	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 2'-4'	171-305	Soil	02-Jul-10 06:18	02-Jul-10
SB14713-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	15-Jul-10	16-Jul-10	DT	1015022	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	19-Jul-10	19-Jul-10	TBG	1015078	
7440-47-3	Chromium	0.0281		mg/l	0.0100	1	"	"	"	"	"	
7439-92-1	Lead	0.0232		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	81.7		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 4'-8'	171-305	Soil	02-Jul-10 06:22	02-Jul-10
SB14713-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.35 g							
Re-analysis of Volatile Organic Compounds 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/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	73.5	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	73.5	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	14.7	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 4'-8'	171-305	Soil	02-Jul-10 06:22	02-Jul-10
SB14713-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.35 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.3	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	73.5	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	73.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.3	1	"	"	"	"	"	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	14.7	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	73.5	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	36.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2940	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*85*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 4'-8'	171-305	Soil	02-Jul-10 06:22	02-Jul-10
SB14713-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	167	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.11	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.11	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	3.11	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.11	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 4'-8'	171-305	Soil	02-Jul-10 06:22	02-Jul-10
SB14713-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	62.1	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
57-74-9	Chlordane	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.11	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.4	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	33.4	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.4	1	"	"	"	"	"	
	Unidentified	85.3		mg/kg dry	33.4	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	33.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	85.3		mg/kg dry	33.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	85.3		mg/kg dry	33.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*72*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.10		mg/kg dry	1.73	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	2.17		mg/kg dry	0.575	1	"	"	"	"	"	X
7440-47-3	Chromium	40.6		mg/kg dry	1.15	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-2 4'-8'	171-305	Soil	02-Jul-10 06:22	02-Jul-10
SB14713-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	0.0612		mg/kg dry	0.0357	1	SW846 7471A	08-Jul-10	09-Jul-10	HB	1014402	X
7439-92-1	Lead	36.2		mg/kg dry	1.73	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	78.3		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 2'-4'	171-305	Soil	02-Jul-10 06:45	02-Jul-10
SB14713-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.96 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.7	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	BRL		µg/kg dry	76.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	76.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 2'-4'	171-305	Soil	02-Jul-10 06:45	02-Jul-10
SB14713-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)				Initial weight: 4.96 g								
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.7	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	76.6	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	76.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	15.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	76.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	153	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3070	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 2'-4'	171-305	Soil	02-Jul-10 06:45	02-Jul-10
SB14713-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	159	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	192		µg/kg dry	159	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	196		µg/kg dry	159	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	177		µg/kg dry	159	1	"	"	"	"	"	X
218-01-9	Chrysene	181		µg/kg dry	159	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
206-44-0	Fluoranthene	251		µg/kg dry	159	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
129-00-0	Pyrene	240		µg/kg dry	159	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*90*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*89*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.06	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.89	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 2'-4'	171-305	Soil	02-Jul-10 06:45	02-Jul-10
SB14713-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	61.2	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
57-74-9	Chlordane	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.06	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.2	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.9	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
	Unidentified	135		mg/kg dry	31.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	135		mg/kg dry	31.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	135		mg/kg dry	31.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.35		mg/kg dry	1.67	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	3.67		mg/kg dry	0.557	1	"	"	"	"	"	X
7440-47-3	Chromium	55.3		mg/kg dry	1.11	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
FSB-3 2'-4'	171-305	Soil	02-Jul-10 06:45	02-Jul-10
SB14713-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	0.122		mg/kg dry	0.0347	1	SW846 7471A	08-Jul-10	09-Jul-10	HB	1014402	X
7439-92-1	Lead	97.5		mg/kg dry	1.67	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0409		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0410		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	79.3		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 4'-8'	171-305	Soil	02-Jul-10 06:50	02-Jul-10
SB14713-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.28 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.6	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	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	15.2	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 4'-8'	171-305	Soil	02-Jul-10 06:50	02-Jul-10
SB14713-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.28 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.6	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	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	15.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.6	1	"	"	"	"	"	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	15.2	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*	*86*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	178	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	178	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 4'-8'	171-305	Soil	02-Jul-10 06:50	02-Jul-10
SB14713-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	178	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
206-44-0	Fluoranthene	221		µg/kg dry	178	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	178	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	178	1	"	"	"	"	"	X
129-00-0	Pyrene	237		µg/kg dry	178	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*88*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.17	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.07	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.17	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 4'-8'	171-305	Soil	02-Jul-10 06:50	02-Jul-10
SB14713-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.17	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*44*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.7	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*63*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	35.5	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	Unidentified	140		mg/kg dry	35.5	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	35.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	140		mg/kg dry	35.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	140		mg/kg dry	35.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.75		mg/kg dry	1.66	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	2.31		mg/kg dry	0.553	1	"	"	"	"	"	X
7440-47-3	Chromium	40.1		mg/kg dry	1.11	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0363	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	24.9		mg/kg dry	1.66	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-3 4'-8'	171-305	Soil	02-Jul-10 06:50	02-Jul-10
SB14713-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0090		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	77.1		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014318	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 2'-4'	171-305	Soil	02-Jul-10 07:12	02-Jul-10
SB14713-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			VOC8		Initial weight: 14.47 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	71.6	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
67-64-1	Acetone	BRL		µg/kg dry	716	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	143	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	716	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	143	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	143	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	143	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	143	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	143	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	716	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 2'-4'	171-305	Soil	02-Jul-10 07:12	02-Jul-10
SB14713-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.47 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	71.6	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	716	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	143	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	143	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	71.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	143	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	71.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	716	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1430	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	358	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	28600	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*116*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*81*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	155	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 2'-4'	171-305	Soil	02-Jul-10 07:12	02-Jul-10
SB14713-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	155	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	327		µg/kg dry	155	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	318		µg/kg dry	155	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	291		µg/kg dry	155	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	314		µg/kg dry	155	1	"	"	"	"	"	X
218-01-9	Chrysene	333		µg/kg dry	155	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
206-44-0	Fluoranthene	702		µg/kg dry	155	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
85-01-8	Phenanthrene	361		µg/kg dry	155	1	"	"	"	"	"	X
129-00-0	Pyrene	686		µg/kg dry	155	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*88*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.93	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.69	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.93	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 2'-4'	171-305	Soil	02-Jul-10 07:12	02-Jul-10
SB14713-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	5.87	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	
15972-60-8	Alachlor	BRL		µg/kg dry	2.93	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.7	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	409		µg/kg dry	11.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	60.7		µg/kg dry	11.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.1	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
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	331		mg/kg dry	31.1	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	331		mg/kg dry	31.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	331		mg/kg dry	31.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*89*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.55		mg/kg dry	1.71	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	3.25		mg/kg dry	0.569	1	"	"	"	"	"	X
7440-47-3	Chromium	63.9		mg/kg dry	1.14	1	"	"	"	"	"	X
7439-97-6	Mercury	0.100		mg/kg dry	0.0324	1	SW846 7471A	"	09-Jul-10	HB	1014402	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 2'-4'	171-305	Soil	02-Jul-10 07:12	02-Jul-10
SB14713-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	106		mg/kg dry	1.71	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0072		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0093		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.8		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 4'-8'	171-305	Soil	02-Jul-10 07:22	02-Jul-10
SB14713-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.67 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	295		µg/kg dry	99.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	112		µg/kg dry	99.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 4'-8'	171-305	Soil	02-Jul-10 07:22	02-Jul-10
SB14713-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.67 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.0	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	99.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	99.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	20.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	99.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	200	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	49.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3990	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 4'-8'	171-305	Soil	02-Jul-10 07:22	02-Jul-10
SB14713-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	188	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	188	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	188	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*77*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.55	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.67	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.55	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 4'-8'	171-305	Soil	02-Jul-10 07:22	02-Jul-10
SB14713-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	70.9	1	SW846 8081A	08-Jul-10	09-Jul-10	DS	1014369	X
57-74-9	Chlordane	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.55	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	14.2	1	SW846 8082	08-Jul-10	10-Jul-10	IMR	1014370	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	333		µg/kg dry	14.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	37.4		µg/kg dry	14.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	37.6	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	37.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	37.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	37.6	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	37.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	37.6	1	"	"	"	"	"	
	Unidentified	246		mg/kg dry	37.6	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	37.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	246		mg/kg dry	37.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	246		mg/kg dry	37.6	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*77*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	4.63		mg/kg dry	2.05	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	2.34		mg/kg dry	0.684	1	"	"	"	"	"	X
7440-47-3	Chromium	60.3		mg/kg dry	1.37	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-4 4'-8'	171-305	Soil	02-Jul-10 07:22	02-Jul-10
SB14713-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	0.0743		mg/kg dry	0.0414	1	SW846 7471A	08-Jul-10	09-Jul-10	HB	1014402	X
7439-92-1	Lead	95.9		mg/kg dry	2.05	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0085		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	69.1		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 2'-4'	171-305	Soil	02-Jul-10 07:45	02-Jul-10
SB14713-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.18 g						
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.2	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
67-64-1	Acetone	115		µg/kg dry	81.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	81.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 2'-4'	171-305	Soil	02-Jul-10 07:45	02-Jul-10
SB14713-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.18 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.2	1	SW846 8260B/C	09-Jul-10	09-Jul-10	JRO	1014495	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	81.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	81.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	81.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	164	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3270	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 2'-4'	171-305	Soil	02-Jul-10 07:45	02-Jul-10
SB14713-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	177	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.31	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.30	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.31	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 2'-4'	171-305	Soil	02-Jul-10 07:45	02-Jul-10
SB14713-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	66.2	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
57-74-9	Chlordane	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.31	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	13.2	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	13.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	35.5	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*86*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.89	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	0.970		mg/kg dry	0.630	1	"	"	"	"	"	X
7440-47-3	Chromium	28.9		mg/kg dry	1.26	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 2'-4'	171-305	Soil	02-Jul-10 07:45	02-Jul-10
SB14713-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0385	1	SW846 7471A	08-Jul-10	09-Jul-10	HB	1014402	X
7439-92-1	Lead	11.0		mg/kg dry	1.89	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-47-3	Chromium	0.0126		mg/l	0.0050	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7439-92-1	Lead	0.0122		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	74.6		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-9 1'-3'	171-305	Soil	02-Jul-10 09:20	02-Jul-10
SB14713-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.2 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	X
67-64-1	Acetone	BRL		µg/kg dry	69.0	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	13.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.0	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	13.8	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	13.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.8	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	13.8	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	13.8	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	69.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-9 1'-3'	171-305	Soil	02-Jul-10 09:20	02-Jul-10
SB14713-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.2 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	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	69.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	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	13.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.8	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	69.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	138	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2760	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	155	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-9 1'-3'	171-305	Soil	02-Jul-10 09:20	02-Jul-10
SB14713-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	155	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
206-44-0	Fluoranthene	215		µg/kg dry	155	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
129-00-0	Pyrene	213		µg/kg dry	155	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.95	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.72	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.95	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-9 1'-3'	171-305	Soil	02-Jul-10 09:20	02-Jul-10
SB14713-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.95	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*133*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.8	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*2270*	S02	*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.0	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.0	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.0	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.0	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.0	1	"	"	"	"	"	
	Unidentified	123		mg/kg dry	31.0	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	123		mg/kg dry	31.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	123		mg/kg dry	31.0	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.81		mg/kg dry	1.67	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	1.75		mg/kg dry	0.556	1	"	"	"	"	"	X
7440-47-3	Chromium	32.5		mg/kg dry	1.11	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0644		mg/kg dry	0.0346	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	63.8		mg/kg dry	1.67	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-9 1'-3'	171-305	Soil	02-Jul-10 09:20	02-Jul-10
SB14713-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	82.4		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-10 1'-3'	171-305	Soil	02-Jul-10 09:50	02-Jul-10
SB14713-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.87 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.0	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	X
67-64-1	Acetone	BRL		µg/kg dry	79.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	79.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	79.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-10 1'-3'	171-305	Soil	02-Jul-10 09:50	02-Jul-10
SB14713-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds						Initial weight: 4.87 g						
Prepared by method SW846 5035A Soil (low level)												
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.0	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	79.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	79.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	160	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3200	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	168	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	168	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-10 1'-3'	171-305	Soil	02-Jul-10 09:50	02-Jul-10
SB14713-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	168	1	SW846 8270C/D	08-Jul-10	14-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	182		µg/kg dry	168	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	180		µg/kg dry	168	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	170		µg/kg dry	168	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	213		µg/kg dry	168	1	"	"	"	"	"	X
218-01-9	Chrysene	224		µg/kg dry	168	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
206-44-0	Fluoranthene	371		µg/kg dry	168	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	168	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	168	1	"	"	"	"	"	X
85-01-8	Phenanthrene	243		µg/kg dry	168	1	"	"	"	"	"	X
129-00-0	Pyrene	368		µg/kg dry	168	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*92*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*92*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.20	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.11	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.20	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-10 1'-3'	171-305	Soil	02-Jul-10 09:50	02-Jul-10
SB14713-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.20	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*69*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.8	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	33.6	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.6	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.6	1	"	"	"	"	"	
	Unidentified	184		mg/kg dry	33.6	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	33.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	184		mg/kg dry	33.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	184		mg/kg dry	33.6	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.66	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	1.33		mg/kg dry	0.552	1	"	"	"	"	"	X
7440-47-3	Chromium	36.7		mg/kg dry	1.10	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0375	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	15.6		mg/kg dry	1.66	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-10 1'-3'	171-305	Soil	02-Jul-10 09:50	02-Jul-10
SB14713-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0136		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0148		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	78.0		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-11 1'-3'	171-305	Soil	02-Jul-10 10:10	02-Jul-10
SB14713-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
	Volatile Organic Compounds		VOC8			Initial weight: 14.97 g						
	Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	73.4	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
67-64-1	Acetone	BRL		µg/kg dry	734	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	734	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	147	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	147	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	147	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	734	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-11 1'-3'	171-305	Soil	02-Jul-10 10:10	02-Jul-10
SB14713-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.97 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	73.4	50	SW846 8260B/C	12-Jul-10	12-Jul-10	adu	1014632	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	734	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	147	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	112		µg/kg dry	73.4	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	147	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	73.4	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	147	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	73.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	734	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1470	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	367	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	29400	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*82*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	160	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	160	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
FSB-11 1'-3'	171-305	Soil	02-Jul-10 10:10	02-Jul-10
SB14713-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	160	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	160	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	160	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*78*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.08	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.93	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-11 1'-3'	171-305	Soil	02-Jul-10 10:10	02-Jul-10
SB14713-I2				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.08	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*		*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.3	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*72*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*		*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.9	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.9	1	"	"	"	"	"	
	Unidentified	44.0		mg/kg dry	31.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	44.0		mg/kg dry	31.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	44.0		mg/kg dry	31.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*75*		*50-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.21		mg/kg dry	1.79	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	3.06		mg/kg dry	0.596	1	"	"	"	"	"	X
7440-47-3	Chromium	49.7		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0850		mg/kg dry	0.0345	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	77.2		mg/kg dry	1.79	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-11 1'-3'	171-305	Soil	02-Jul-10 10:10	02-Jul-10
SB14713-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0152		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	81.1		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-13 1'-3'	171-305	Soil	02-Jul-10 10:00	02-Jul-10
SB14713-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.55 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	83.6	50	SW846 8260B/C	08-Jul-10	08-Jul-10	adu	1014387	X
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.5	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	X
67-64-1	Acetone	BRL		µg/kg dry	85.1	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	85.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-13 1'-3'	171-305	Soil	02-Jul-10 10:00	02-Jul-10
SB14713-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)				Initial weight: 5.06 g								
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.5	1	SW846 8260B/C	12-Jul-10	12-Jul-10	JRO	1014612	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	85.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	85.1	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	17.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	17.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	85.1	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	170	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	42.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3410	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*87*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-13 1'-3'	171-305	Soil	02-Jul-10 10:00	02-Jul-10
SB14713-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	177	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	177	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*82*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*88*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.40	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.43	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.40	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-13 1'-3'	171-305	Soil	02-Jul-10 10:00	02-Jul-10
SB14713-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	67.9	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
57-74-9	Chlordane	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	3.40	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	13.6	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	13.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	35.5	1	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.5	1	"	"	"	"	"	
	Unidentified	69.9		mg/kg dry	35.5	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	35.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	69.9		mg/kg dry	35.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	69.9		mg/kg dry	35.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*75*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.75	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	1.49		mg/kg dry	0.583	1	"	"	"	"	"	X
7440-47-3	Chromium	38.4		mg/kg dry	1.17	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-13 1'-3'	171-305	Soil	02-Jul-10 10:00	02-Jul-10
SB14713-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0385	1	SW846 7471A	08-Jul-10	09-Jul-10	HB	1014402	X
7439-92-1	Lead	20.4		mg/kg dry	1.75	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0354		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0279		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	73.6		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-15 1'-3'	171-305	Soil	02-Jul-10 08:55	02-Jul-10
SB14713-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	06-Jul-10	06-Jul-10	BD	1014243	
			VOC8									
Volatile Organic Compounds Prepared by method SW846 5030 Water MS				Initial weight: 14.89 ml								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	101	50	SW846 8260B/C	08-Jul-10	09-Jul-10	eq	1014517	X
67-64-1	Acetone	BRL		µg/kg dry	1010	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	101	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	101	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	202	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1010	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	202	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	101	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	202	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	101	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	202	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	202	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	101	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	202	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1010	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-15 1'-3'	171-305	Soil	02-Jul-10 08:55	02-Jul-10
SB14713-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Water MS					Initial weight: 14.89 ml							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	101	50	SW846 8260B/C	08-Jul-10	09-Jul-10	eq	1014517	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	101	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1010	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	202	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	101	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	101	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	101	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	101	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	202	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	101	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	202	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	101	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	101	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	101	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	101	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1010	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	2020	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	505	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	40400	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*90*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	196	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	196	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-15 1'-3'	171-305	Soil	02-Jul-10 08:55	02-Jul-10
SB14713-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	196	1	SW846 8270C/D	08-Jul-10	15-Jul-10	MSL	1014438	X
56-55-3	Benzo (a) anthracene	208		µg/kg dry	196	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	236		µg/kg dry	196	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	206		µg/kg dry	196	1	"	"	"	"	"	X
218-01-9	Chrysene	220		µg/kg dry	196	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
206-44-0	Fluoranthene	442		µg/kg dry	196	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	196	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	196	1	"	"	"	"	"	X
129-00-0	Pyrene	395		µg/kg dry	196	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*73*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*78*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.67	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.88	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.67	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	73.4	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-15 1'-3'	171-305	Soil	02-Jul-10 08:55	02-Jul-10
SB14713-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.67	1	SW846 8081A	09-Jul-10	09-Jul-10	DS	1014485	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*53*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	14.7	1	SW846 8082	09-Jul-10	10-Jul-10	SM	1014484	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	24.9		µg/kg dry	14.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	14.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	78.4	2	+CT ETPH	08-Jul-10	10-Jul-10	SHM	1014436	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	78.4	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	78.4	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	78.4	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	78.4	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	78.4	2	"	"	"	"	"	
	Unidentified	273		mg/kg dry	78.4	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	78.4	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	273		mg/kg dry	78.4	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	273		mg/kg dry	78.4	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*56*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.89	1	SW846 6010B	08-Jul-10	08-Jul-10	TBG	1014401	X
7440-43-9	Cadmium	1.66		mg/kg dry	0.629	1	"	"	"	"	"	X
7440-47-3	Chromium	41.8		mg/kg dry	1.26	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0398	1	SW846 7471A	"	09-Jul-10	HB	1014402	X
7439-92-1	Lead	50.6		mg/kg dry	1.89	1	SW846 6010B	"	08-Jul-10	TBG	1014401	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-15 1'-3'	171-305	Soil	02-Jul-10 08:55	02-Jul-10
SB14713-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	14-Jul-10	15-Jul-10	AB	1014936	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	15-Jul-10	16-Jul-10	JB	1014965	
7440-47-3	Chromium	0.0400		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0602		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	66.4		%		1	SM2540 G Mod.	07-Jul-10	07-Jul-10	BD	1014319	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 GW	171-305	Aqueous	02-Jul-10 05:55	02-Jul-10
SB14713-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS			HDS, PH									
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B/C	07-Jul-10	07-Jul-10	JLG	1014307	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	2.0	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 GW	171-305	Aqueous	02-Jul-10 05:55	02-Jul-10
SB14713-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			HDS, PH									
Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260B/C	07-Jul-10	07-Jul-10	JLG	1014307	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	2.0	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
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	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		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	2.0	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*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	0.085		µg/l	0.050	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
FSB-1 GW	171-305	Aqueous	02-Jul-10 05:55	02-Jul-10
SB14713-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
120-12-7	Anthracene	0.073		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
56-55-3	Benzo (a) anthracene	0.159		µg/l	0.050	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	0.134		µg/l	0.050	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	0.122		µg/l	0.050	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	0.207		µg/l	0.050	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	0.122		µg/l	0.050	1	"	"	"	"	"	X
218-01-9	Chrysene	0.146		µg/l	0.050	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
206-44-0	Fluoranthene	0.268		µg/l	0.050	1	"	"	"	"	"	X
86-73-7	Fluorene	0.110		µg/l	0.050	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	0.098		µg/l	0.050	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	0.098		µg/l	0.050	1	"	"	"	"	"	X
91-20-3	Naphthalene	0.244		µg/l	0.050	1	"	"	"	"	"	X
85-01-8	Phenanthrene	0.122		µg/l	0.050	1	"	"	"	"	"	X
129-00-0	Pyrene	0.305		µg/l	0.050	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*37*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*35*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.003	1	SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	X
319-85-7	beta-BHC	BRL		µg/l	0.003	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.003	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.003	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.003	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.003	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.003	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.003	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.003	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.003	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.006	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.006	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.006	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.006	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.006	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.006	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.006	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.006	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.003	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.003	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.071	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/l	0.009	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/l	0.003	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 GW SB14713-15	171-305	Aqueous	02-Jul-10 05:55	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*46*			*30-150 %*		SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*32*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*31*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	SW846 8082	07-Jul-10	10-Jul-10	IMR	1014336	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0650	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0650	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	0.379		µg/l	0.0650	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*59*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*46*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C												
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014378	
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	2.2		mg/l	0.1	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/l	0.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	2.2		mg/l	0.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	2.2		mg/l	0.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*51*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	0.0144		mg/l	0.0040	1	SW846 6010B	08-Jul-10	09-Jul-10	JB	1014443	X
7440-43-9	Cadmium	0.0039		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	0.0438		mg/l	0.0050	1	"	"	"	"	"	X
7439-92-1	Lead	0.0396		mg/l	0.0075	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL		mg/l	0.00030	1	EPA 245.1/7470A	08-Jul-10	09-Jul-10	HB	1014444	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-1 GW SB14713-15	171-305	Aqueous	02-Jul-10 05:55	02-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			ARF	1014212	
Soluble Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	20-Jul-10	21-Jul-10	TBG	1015370	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 GW SB14713-16	171-305	Aqueous	02-Jul-10 08:35	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS			R04									
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	5.0	5	SW846 8260B/C	07-Jul-10	07-Jul-10	JLG	1014307	X
67-64-1	Acetone	BRL		µg/l	50.0	5	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	2.5	5	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	2.5	5	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	5.0	5	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	10.0	5	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	50.0	5	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	10.0	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	10.0	5	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	5.0	5	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	10.0	5	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	10.0	5	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	2.5	5	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	2.5	5	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	10.0	5	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	2.5	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	2.5	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	2.5	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 GW SB14713-16	171-305	Aqueous	02-Jul-10 08:35	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS			R04									
99-87-6	4-Isopropyltoluene	BRL		µg/l	5.0	5	SW846 8260B/C	07-Jul-10	07-Jul-10	JLG	1014307	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	10.0	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	5.0	5	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	5.0	5	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	2.5	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	5.0	5	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	5.0	5	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	5.0	5	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	10.0	5	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	5.0	5	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	5	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	50.0	5	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	100	5	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	25.0	5	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	2000	5	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 GW SB14713-16	171-305	Aqueous	02-Jul-10 08:35	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C												
120-12-7	Anthracene	BRL		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.050	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*27*	SGC		*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*45*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	X
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.005	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.005	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.005	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.005	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.005	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.005	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.005	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.005	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.062	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/l	0.008	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/l	0.002	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 GW SB14713-16	171-305	Aqueous	02-Jul-10 08:35	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*33*			*30-150 %*		SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*38*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*34*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*39*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	SW846 8082	07-Jul-10	10-Jul-10	IMR	1014336	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0650	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0650	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/l	0.0650	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*57*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C			R01									
8006-61-9	Gasoline	BRL		mg/l	0.2	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014378	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	10.0		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/l	0.2	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	10.0		mg/l	0.2	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	10.0		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*53*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	0.0126		mg/l	0.0040	1	SW846 6010B	08-Jul-10	09-Jul-10	JB	1014443	X
7440-43-9	Cadmium	0.0033		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	0.0417		mg/l	0.0050	1	"	"	"	"	"	X
7439-92-1	Lead	0.0255		mg/l	0.0075	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL		mg/l	0.00030	1	EPA 245.1/7470A	08-Jul-10	09-Jul-10	HB	1014444	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FSB-7 GW SB14713-16	171-305	Aqueous	02-Jul-10 08:35	02-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			ARF	1014212	
Soluble Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	0.0055		mg/l	0.0040	1	SW846 6010B	20-Jul-10	21-Jul-10	TBG	1015370	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	02-Jul-10 10:00	02-Jul-10
SB14713-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	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/C	07-Jul-10	07-Jul-10	JLG	1014307	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	2.0	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	02-Jul-10 10:00	02-Jul-10
SB14713-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260B/C	07-Jul-10	07-Jul-10	JLG	1014307	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	2.0	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
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	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		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	2.0	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*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.050	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
FB-1	171-305	Deionized Water	02-Jul-10 10:00	02-Jul-10
SB14713-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
120-12-7	Anthracene	BRL		µg/l	0.050	1	SW846 8270C/D	09-Jul-10	12-Jul-10	SM	1014486	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.050	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*38*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*36*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	X
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.004	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.004	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.004	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.004	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.004	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.052	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/l	0.007	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/l	0.002	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	02-Jul-10 10:00	02-Jul-10
SB14713-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*37*			*30-150 %*		SW846 8081A	06-Jul-10	08-Jul-10	DS	1014170	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*54*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*41*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	SW846 8082	07-Jul-10	10-Jul-10	IMR	1014336	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0650	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0650	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/l	0.0650	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C												
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	08-Jul-10	09-Jul-10	SHM	1014378	
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*	*56*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	08-Jul-10	09-Jul-10	JB	1014443	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL		mg/l	0.00030	1	EPA 245.1/7470A	08-Jul-10	09-Jul-10	HB	1014444	X

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014307 - SW846 5030 Water MS										
Blank (1014307-BLK1)					Prepared & Analyzed: 07-Jul-10					
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	2.0						
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	2.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014307 - SW846 5030 Water MS										
Blank (1014307-BLK1)					Prepared & Analyzed: 07-Jul-10					
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		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	2.0						
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	*48.3*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		
LCS (1014307-BS1)					Prepared & Analyzed: 07-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.2		µg/l		20.0		101	70-130		
Acetone	18.6		µg/l		20.0		93	70-130		
Acrylonitrile	18.0		µg/l		20.0		90	70-130		
Benzene	20.1		µg/l		20.0		101	70-130		
Bromobenzene	19.9		µg/l		20.0		99	70-130		
Bromochloromethane	19.9		µg/l		20.0		99	70-130		
Bromodichloromethane	20.3		µg/l		20.0		102	70-130		
Bromoform	19.8		µg/l		20.0		99	70-130		
Bromomethane	20.6		µg/l		20.0		103	70-130		
2-Butanone (MEK)	16.7		µg/l		20.0		84	70-130		
n-Butylbenzene	20.3		µg/l		20.0		102	70-130		
sec-Butylbenzene	21.4		µg/l		20.0		107	70-130		
tert-Butylbenzene	22.0		µg/l		20.0		110	70-130		
Carbon disulfide	19.4		µg/l		20.0		97	70-130		
Carbon tetrachloride	21.1		µg/l		20.0		105	70-130		
Chlorobenzene	20.3		µg/l		20.0		101	70-130		
Chloroethane	19.6		µg/l		20.0		98	70-130		
Chloroform	18.1		µg/l		20.0		90	70-130		
Chloromethane	20.4		µg/l		20.0		102	70-130		
2-Chlorotoluene	21.7		µg/l		20.0		109	70-130		
4-Chlorotoluene	21.2		µg/l		20.0		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 1014307 - SW846 5030 Water MS										
LCS (1014307-BS1)					Prepared & Analyzed: 07-Jul-10					
1,2-Dibromo-3-chloropropane	17.4		µg/l		20.0		87	70-130		
Dibromochloromethane	20.5		µg/l		20.0		102	70-130		
1,2-Dibromoethane (EDB)	19.8		µg/l		20.0		99	70-130		
Dibromomethane	19.8		µg/l		20.0		99	70-130		
1,2-Dichlorobenzene	19.9		µg/l		20.0		100	70-130		
1,3-Dichlorobenzene	20.5		µg/l		20.0		103	70-130		
1,4-Dichlorobenzene	19.2		µg/l		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	21.0		µg/l		20.0		105	70-130		
1,1-Dichloroethane	19.8		µg/l		20.0		99	70-130		
1,2-Dichloroethane	20.8		µg/l		20.0		104	70-130		
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130		
cis-1,2-Dichloroethene	19.9		µg/l		20.0		99	70-130		
trans-1,2-Dichloroethene	19.4		µg/l		20.0		97	70-130		
1,2-Dichloropropane	19.2		µg/l		20.0		96	70-130		
1,3-Dichloropropane	19.4		µg/l		20.0		97	70-130		
2,2-Dichloropropane	19.1		µg/l		20.0		95	70-130		
1,1-Dichloropropene	20.6		µg/l		20.0		103	70-130		
cis-1,3-Dichloropropene	20.3		µg/l		20.0		102	70-130		
trans-1,3-Dichloropropene	21.8		µg/l		20.0		109	70-130		
Ethylbenzene	20.9		µg/l		20.0		105	70-130		
Hexachlorobutadiene	17.8		µg/l		20.0		89	70-130		
2-Hexanone (MBK)	18.2		µg/l		20.0		91	70-130		
Isopropylbenzene	21.1		µg/l		20.0		106	70-130		
4-Isopropyltoluene	20.4		µg/l		20.0		102	70-130		
Methyl tert-butyl ether	22.1		µg/l		20.0		111	70-130		
4-Methyl-2-pentanone (MIBK)	18.8		µg/l		20.0		94	70-130		
Methylene chloride	19.7		µg/l		20.0		99	70-130		
Naphthalene	20.4		µg/l		20.0		102	70-130		
n-Propylbenzene	21.4		µg/l		20.0		107	70-130		
Styrene	21.3		µg/l		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/l		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/l		20.0		97	70-130		
Tetrachloroethene	20.4		µg/l		20.0		102	70-130		
Toluene	19.8		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	19.4		µg/l		20.0		97	70-130		
1,2,4-Trichlorobenzene	19.4		µg/l		20.0		97	70-130		
1,3,5-Trichlorobenzene	19.9		µg/l		20.0		99	70-130		
1,1,1-Trichloroethane	19.9		µg/l		20.0		100	70-130		
1,1,2-Trichloroethane	20.1		µg/l		20.0		101	70-130		
Trichloroethene	19.8		µg/l		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	20.4		µg/l		20.0		102	70-130		
1,2,3-Trichloropropane	19.4		µg/l		20.0		97	70-130		
1,2,4-Trimethylbenzene	22.0		µg/l		20.0		110	70-130		
1,3,5-Trimethylbenzene	21.6		µg/l		20.0		108	70-130		
Vinyl chloride	21.6		µg/l		20.0		108	70-130		
m,p-Xylene	42.0		µg/l		40.0		105	70-130		
o-Xylene	21.0		µg/l		20.0		105	70-130		
Tetrahydrofuran	17.5		µg/l		20.0		87	70-130		
Ethyl ether	20.0		µg/l		20.0		100	70-130		
Tert-amyl methyl ether	18.2		µg/l		20.0		91	70-130		
Ethyl tert-butyl ether	20.4		µg/l		20.0		102	70-130		
Di-isopropyl ether	20.7		µg/l		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 1014307 - SW846 5030 Water MS										
LCS (1014307-BS1)					Prepared & Analyzed: 07-Jul-10					
Tert-Butanol / butyl alcohol	159		µg/l		200		79	70-130		
1,4-Dioxane	180		µg/l		200		90	70-130		
trans-1,4-Dichloro-2-butene	17.6		µg/l		20.0		88	70-130		
Ethanol	372		µg/l		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*51.1*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (1014307-BSD1)					Prepared & Analyzed: 07-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.8		µg/l		20.0		94	70-130	7	25
Acetone	18.0		µg/l		20.0		90	70-130	3	50
Acrylonitrile	18.0		µg/l		20.0		90	70-130	0.2	25
Benzene	18.7		µg/l		20.0		93	70-130	7	25
Bromobenzene	19.1		µg/l		20.0		95	70-130	4	25
Bromochloromethane	18.5		µg/l		20.0		92	70-130	7	25
Bromodichloromethane	20.2		µg/l		20.0		101	70-130	0.3	25
Bromoform	19.4		µg/l		20.0		97	70-130	2	25
Bromomethane	18.8		µg/l		20.0		94	70-130	9	50
2-Butanone (MEK)	18.2		µg/l		20.0		91	70-130	9	50
n-Butylbenzene	18.9		µg/l		20.0		94	70-130	7	25
sec-Butylbenzene	20.0		µg/l		20.0		100	70-130	6	25
tert-Butylbenzene	20.3		µg/l		20.0		102	70-130	8	25
Carbon disulfide	17.2		µg/l		20.0		86	70-130	12	25
Carbon tetrachloride	19.5		µg/l		20.0		98	70-130	8	25
Chlorobenzene	18.8		µg/l		20.0		94	70-130	7	25
Chloroethane	17.9		µg/l		20.0		90	70-130	9	50
Chloroform	16.8		µg/l		20.0		84	70-130	7	25
Chloromethane	19.0		µg/l		20.0		95	70-130	7	25
2-Chlorotoluene	20.2		µg/l		20.0		101	70-130	7	25
4-Chlorotoluene	19.8		µg/l		20.0		99	70-130	7	25
1,2-Dibromo-3-chloropropane	16.6		µg/l		20.0		83	70-130	5	25
Dibromochloromethane	19.9		µg/l		20.0		100	70-130	3	50
1,2-Dibromoethane (EDB)	19.8		µg/l		20.0		99	70-130	0.05	25
Dibromomethane	18.3		µg/l		20.0		92	70-130	8	25
1,2-Dichlorobenzene	19.2		µg/l		20.0		96	70-130	4	25
1,3-Dichlorobenzene	19.4		µg/l		20.0		97	70-130	6	25
1,4-Dichlorobenzene	18.1		µg/l		20.0		91	70-130	6	25
Dichlorodifluoromethane (Freon12)	19.2		µg/l		20.0		96	70-130	9	50
1,1-Dichloroethane	18.4		µg/l		20.0		92	70-130	7	25
1,2-Dichloroethane	19.5		µg/l		20.0		97	70-130	7	25
1,1-Dichloroethene	18.6		µg/l		20.0		93	70-130	8	25
cis-1,2-Dichloroethene	18.6		µg/l		20.0		93	70-130	7	25
trans-1,2-Dichloroethene	18.5		µg/l		20.0		93	70-130	5	25
1,2-Dichloropropane	18.4		µg/l		20.0		92	70-130	4	25
1,3-Dichloropropane	19.0		µg/l		20.0		95	70-130	2	25
2,2-Dichloropropane	17.5		µg/l		20.0		88	70-130	8	25
1,1-Dichloropropene	18.2		µg/l		20.0		91	70-130	12	25
cis-1,3-Dichloropropene	19.6		µg/l		20.0		98	70-130	3	25
trans-1,3-Dichloropropene	20.5		µg/l		20.0		103	70-130	6	25
Ethylbenzene	19.3		µg/l		20.0		96	70-130	8	25
Hexachlorobutadiene	18.1		µg/l		20.0		91	70-130	2	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014307 - SW846 5030 Water MS										
LCS Dup (1014307-BSD1)					Prepared & Analyzed: 07-Jul-10					
2-Hexanone (MBK)	18.4		µg/l		20.0		92	70-130	1	25
Isopropylbenzene	19.8		µg/l		20.0		99	70-130	6	25
4-Isopropyltoluene	19.1		µg/l		20.0		96	70-130	7	25
Methyl tert-butyl ether	21.8		µg/l		20.0		109	70-130	1	25
4-Methyl-2-pentanone (MIBK)	18.3		µg/l		20.0		91	70-130	3	50
Methylene chloride	17.4		µg/l		20.0		87	70-130	13	25
Naphthalene	19.6		µg/l		20.0		98	70-130	4	25
n-Propylbenzene	19.7		µg/l		20.0		98	70-130	8	25
Styrene	19.9		µg/l		20.0		99	70-130	7	25
1,1,1,2-Tetrachloroethane	20.2		µg/l		20.0		101	70-130	6	25
1,1,2,2-Tetrachloroethane	19.2		µg/l		20.0		96	70-130	1	25
Tetrachloroethene	19.3		µg/l		20.0		96	70-130	6	25
Toluene	18.5		µg/l		20.0		93	70-130	6	25
1,2,3-Trichlorobenzene	19.5		µg/l		20.0		98	70-130	0.8	25
1,2,4-Trichlorobenzene	19.0		µg/l		20.0		95	70-130	2	25
1,3,5-Trichlorobenzene	18.9		µg/l		20.0		95	70-130	5	25
1,1,1-Trichloroethane	18.6		µg/l		20.0		93	70-130	7	25
1,1,2-Trichloroethane	19.7		µg/l		20.0		98	70-130	2	25
Trichloroethene	18.3		µg/l		20.0		91	70-130	8	25
Trichlorofluoromethane (Freon 11)	18.9		µg/l		20.0		94	70-130	8	50
1,2,3-Trichloropropane	19.0		µg/l		20.0		95	70-130	2	25
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	70-130	7	25
1,3,5-Trimethylbenzene	20.2		µg/l		20.0		101	70-130	7	25
Vinyl chloride	19.4		µg/l		20.0		97	70-130	11	25
m,p-Xylene	39.5		µg/l		40.0		99	70-130	6	25
o-Xylene	20.0		µg/l		20.0		100	70-130	5	25
Tetrahydrofuran	16.6		µg/l		20.0		83	70-130	5	25
Ethyl ether	19.4		µg/l		20.0		97	70-130	3	50
Tert-amyl methyl ether	17.6		µg/l		20.0		88	70-130	4	25
Ethyl tert-butyl ether	19.8		µg/l		20.0		99	70-130	3	25
Di-isopropyl ether	19.2		µg/l		20.0		96	70-130	7	25
Tert-Butanol / butyl alcohol	158		µg/l		200		79	70-130	0.3	25
1,4-Dioxane	182		µg/l		200		91	70-130	1	25
trans-1,4-Dichloro-2-butene	16.7		µg/l		20.0		84	70-130	5	25
Ethanol	343		µg/l		400		86	70-130	8	30
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	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Batch 1014387 - SW846 5030 Soil (high level)										
Blank (1014387-BLK1)					Prepared & Analyzed: 08-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014387 - SW846 5030 Soil (high level)										
						Prepared & Analyzed: 08-Jul-10				
Blank (1014387-BLK1)										
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014387 - SW846 5030 Soil (high level)										
Blank (1014387-BLK1)					Prepared & Analyzed: 08-Jul-10					
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.4*		µg/kg wet		*30.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*28.2*		µg/kg wet		*30.0*		*94*	*70-130*		
LCS (1014387-BS1)					Prepared & Analyzed: 08-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.8		µg/kg wet		20.0		94	70-130		
Acetone	15.0		µg/kg wet		20.0		75	70-130		
Acrylonitrile	15.9		µg/kg wet		20.0		80	70-130		
Benzene	20.3		µg/kg wet		20.0		102	70-130		
Bromobenzene	22.9		µg/kg wet		20.0		114	70-130		
Bromochloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromoform	19.1		µg/kg wet		20.0		95	70-130		
Bromomethane	17.6		µg/kg wet		20.0		88	70-130		
2-Butanone (MEK)	17.0		µg/kg wet		20.0		85	70-130		
n-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130		
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
tert-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
Carbon disulfide	16.0		µg/kg wet		20.0		80	70-130		
Carbon tetrachloride	22.9		µg/kg wet		20.0		114	70-130		
Chlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
Chloroethane	17.2		µg/kg wet		20.0		86	70-130		
Chloroform	18.1		µg/kg wet		20.0		90	70-130		
Chloromethane	15.8		µg/kg wet		20.0		79	70-130		
2-Chlorotoluene	22.2		µg/kg wet		20.0		111	70-130		
4-Chlorotoluene	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dibromo-3-chloropropane	19.5		µg/kg wet		20.0		97	70-130		
Dibromochloromethane	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dibromoethane (EDB)	18.8		µg/kg wet		20.0		94	70-130		
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	22.9		µg/kg wet		20.0		114	70-130		
1,4-Dichlorobenzene	21.5		µg/kg wet		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	16.5		µg/kg wet		20.0		82	70-130		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	17.3		µg/kg wet		20.0		87	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014387 - SW846 5030 Soil (high level)										
						Prepared & Analyzed: 08-Jul-10				
LCS (1014387-BS1)										
1,1-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	22.1		µg/kg wet		20.0		111	70-130		
1,2-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
2,2-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130		
1,1-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130		
Ethylbenzene	23.0		µg/kg wet		20.0		115	70-130		
Hexachlorobutadiene	22.6		µg/kg wet		20.0		113	70-130		
2-Hexanone (MBK)	15.8		µg/kg wet		20.0		79	70-130		
Isopropylbenzene	23.6		µg/kg wet		20.0		118	70-130		
4-Isopropyltoluene	22.1		µg/kg wet		20.0		111	70-130		
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130		
4-Methyl-2-pentanone (MIBK)	16.3		µg/kg wet		20.0		82	70-130		
Methylene chloride	16.5		µg/kg wet		20.0		82	70-130		
Naphthalene	25.8		µg/kg wet		20.0		129	70-130		
n-Propylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Styrene	22.1		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	23.7		µg/kg wet		20.0		119	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	21.6		µg/kg wet		20.0		108	70-130		
Toluene	20.3		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,2,4-Trichlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	19.5		µg/kg wet		20.0		97	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	18.0		µg/kg wet		20.0		90	70-130		
1,2,3-Trichloropropane	20.3		µg/kg wet		20.0		102	70-130		
1,2,4-Trimethylbenzene	23.0		µg/kg wet		20.0		115	70-130		
1,3,5-Trimethylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Vinyl chloride	15.1		µg/kg wet		20.0		76	70-130		
m,p-Xylene	47.6		µg/kg wet		40.0		119	70-130		
o-Xylene	23.0		µg/kg wet		20.0		115	70-130		
Tetrahydrofuran	17.5		µg/kg wet		20.0		88	70-130		
Ethyl ether	16.5		µg/kg wet		20.0		82	70-130		
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130		
Ethyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
Di-isopropyl ether	18.5		µg/kg wet		20.0		93	70-130		
Tert-Butanol / butyl alcohol	142		µg/kg wet		200		71	70-130		
1,4-Dioxane	184		µg/kg wet		200		92	70-130		
trans-1,4-Dichloro-2-butene	24.8		µg/kg wet		20.0		124	70-130		
Ethanol	300		µg/kg wet		400		75	70-130		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/kg wet		*30.0*		*86*	*70-130*		
Surrogate: Dibromofluoromethane	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
						Prepared & Analyzed: 08-Jul-10				
LCS Dup (1014387-BSD1)										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014387 - SW846 5030 Soil (high level)										
						Prepared & Analyzed: 08-Jul-10				
LCS Dup (1014387-BSD1)										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.3		µg/kg wet		20.0		92	70-130	3	25
Acetone	13.5		µg/kg wet		20.0		68	70-130	11	50
Acrylonitrile	14.9		µg/kg wet		20.0		75	70-130	6	25
Benzene	20.0		µg/kg wet		20.0		100	70-130	2	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	4	25
Bromochloromethane	20.4		µg/kg wet		20.0		102	70-130	0.8	25
Bromodichloromethane	19.4		µg/kg wet		20.0		97	70-130	4	25
Bromoform	18.4		µg/kg wet		20.0		92	70-130	4	25
Bromomethane	17.1		µg/kg wet		20.0		86	70-130	3	50
2-Butanone (MEK)	15.7		µg/kg wet		20.0		79	70-130	8	50
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
sec-Butylbenzene	21.3		µg/kg wet		20.0		107	70-130	5	25
tert-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130	6	25
Carbon disulfide	15.6		µg/kg wet		20.0		78	70-130	3	25
Carbon tetrachloride	21.9		µg/kg wet		20.0		110	70-130	4	25
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
Chloroethane	16.5		µg/kg wet		20.0		82	70-130	4	50
Chloroform	17.8		µg/kg wet		20.0		89	70-130	2	25
Chloromethane	15.1		µg/kg wet		20.0		76	70-130	5	25
2-Chlorotoluene	21.1		µg/kg wet		20.0		106	70-130	5	25
4-Chlorotoluene	21.3		µg/kg wet		20.0		106	70-130	6	25
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet		20.0		97	70-130	0.3	25
Dibromochloromethane	17.2		µg/kg wet		20.0		86	70-130	2	50
1,2-Dibromoethane (EDB)	18.2		µg/kg wet		20.0		91	70-130	3	25
Dibromomethane	19.4		µg/kg wet		20.0		97	70-130	2	25
1,2-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	3	25
1,3-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
1,4-Dichlorobenzene	21.9		µg/kg wet		20.0		109	70-130	2	25
Dichlorodifluoromethane (Freon12)	16.3		µg/kg wet		20.0		82	70-130	1	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130	4	25
1,2-Dichloroethane	16.8		µg/kg wet		20.0		84	70-130	3	25
1,1-Dichloroethene	17.9		µg/kg wet		20.0		90	70-130	2	25
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	2	25
trans-1,2-Dichloroethene	22.6		µg/kg wet		20.0		113	70-130	2	25
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	3	25
1,3-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130	3	25
2,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130	2	25
1,1-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130	1	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	3	25
trans-1,3-Dichloropropene	19.3		µg/kg wet		20.0		97	70-130	3	25
Ethylbenzene	22.6		µg/kg wet		20.0		113	70-130	2	25
Hexachlorobutadiene	24.5		µg/kg wet		20.0		123	70-130	8	50
2-Hexanone (MBK)	15.6		µg/kg wet		20.0		78	70-130	1	25
Isopropylbenzene	22.5		µg/kg wet		20.0		113	70-130	5	25
4-Isopropyltoluene	22.2		µg/kg wet		20.0		111	70-130	0.6	25
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130	2	25
4-Methyl-2-pentanone (MIBK)	15.5		µg/kg wet		20.0		77	70-130	5	50
Methylene chloride	15.8		µg/kg wet		20.0		79	70-130	4	25
Naphthalene	27.6	QM9	µg/kg wet		20.0		138	70-130	7	25
n-Propylbenzene	21.1		µg/kg wet		20.0		106	70-130	7	25
Styrene	21.6		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	23.4		µg/kg wet		20.0		117	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 1014387 - SW846 5030 Soil (high level)										
LCS Dup (1014387-BSD1)					Prepared & Analyzed: 08-Jul-10					
1,1,2,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130	3	25
Tetrachloroethene	21.3		µg/kg wet		20.0		107	70-130	1	25
Toluene	20.0		µg/kg wet		20.0		100	70-130	1	25
1,2,3-Trichlorobenzene	23.6		µg/kg wet		20.0		118	70-130	11	25
1,2,4-Trichlorobenzene	23.5		µg/kg wet		20.0		117	70-130	10	25
1,3,5-Trichlorobenzene	23.5		µg/kg wet		20.0		118	70-130	7	25
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,2-Trichloroethane	19.5		µg/kg wet		20.0		98	70-130	0.1	25
Trichloroethene	20.8		µg/kg wet		20.0		104	70-130	1	25
Trichlorofluoromethane (Freon 11)	17.5		µg/kg wet		20.0		88	70-130	3	50
1,2,3-Trichloropropane	19.5		µg/kg wet		20.0		98	70-130	4	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
1,3,5-Trimethylbenzene	22.3		µg/kg wet		20.0		111	70-130	5	25
Vinyl chloride	14.3		µg/kg wet		20.0		72	70-130	5	25
m,p-Xylene	45.7		µg/kg wet		40.0		114	70-130	4	25
o-Xylene	22.4		µg/kg wet		20.0		112	70-130	2	25
Tetrahydrofuran	16.6		µg/kg wet		20.0		83	70-130	5	25
Ethyl ether	15.8		µg/kg wet		20.0		79	70-130	4	50
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		86	70-130	4	25
Ethyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130	2	25
Di-isopropyl ether	18.5		µg/kg wet		20.0		92	70-130	0.1	25
Tert-Butanol / butyl alcohol	134	QM9	µg/kg wet		200		67	70-130	6	25
1,4-Dioxane	175		µg/kg wet		200		87	70-130	5	25
trans-1,4-Dichloro-2-butene	23.8		µg/kg wet		20.0		119	70-130	4	25
Ethanol	276	QM9	µg/kg wet		400		69	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.3*		µg/kg wet		*30.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Batch 1014495 - SW846 5035A Soil (low level)										
Blank (1014495-BLK1)					Prepared & Analyzed: 09-Jul-10					
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	10.0						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
						Prepared & Analyzed: 09-Jul-10				
Blank (1014495-BLK1)										
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	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
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	10.0						
m,p-Xylene	BRL		µg/kg wet	5.0						
o-Xylene	BRL		µg/kg wet	10.0						
Tetrahydrofuran	BRL		µg/kg wet	5.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
Blank (1014495-BLK1)					Prepared & Analyzed: 09-Jul-10					
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	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.6*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
LCS (1014495-BS1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.6		µg/kg wet		20.0		103	70-130		
Acetone	24.1		µg/kg wet		20.0		121	70-130		
Acrylonitrile	22.7		µg/kg wet		20.0		113	70-130		
Benzene	21.9		µg/kg wet		20.0		109	70-130		
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130		
Bromochloromethane	22.2		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromoform	19.3		µg/kg wet		20.0		97	70-130		
Bromomethane	19.5		µg/kg wet		20.0		98	70-130		
2-Butanone (MEK)	13.7		µg/kg wet		20.0		69	70-130		
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
tert-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	20.7		µg/kg wet		20.0		103	70-130		
Chloroethane	21.0		µg/kg wet		20.0		105	70-130		
Chloroform	19.7		µg/kg wet		20.0		99	70-130		
Chloromethane	19.7		µg/kg wet		20.0		99	70-130		
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		104	70-130		
Dibromomethane	21.1		µg/kg wet		20.0		106	70-130		
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130		
cis-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	21.7		µg/kg wet		20.0		109	70-130		
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
2,2-Dichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,1-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130		
cis-1,3-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130		
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
Ethylbenzene	21.4		µg/kg wet		20.0		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 1014495 - SW846 5035A Soil (low level)										
LCS (1014495-BS1)					Prepared & Analyzed: 09-Jul-10					
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	70-130		
2-Hexanone (MBK)	18.6		µg/kg wet		20.0		93	70-130		
Isopropylbenzene	21.3		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	16.7		µg/kg wet		20.0		83	70-130		
Methylene chloride	21.5		µg/kg wet		20.0		107	70-130		
Naphthalene	16.7		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Styrene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	21.2		µg/kg wet		20.0		106	70-130		
Toluene	21.8		µg/kg wet		20.0		109	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2-Trichloroethane	22.0		µg/kg wet		20.0		110	70-130		
Trichloroethene	21.7		µg/kg wet		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	70-130		
1,2,3-Trichloropropane	20.1		µg/kg wet		20.0		101	70-130		
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	20.8		µg/kg wet		20.0		104	70-130		
m,p-Xylene	43.4		µg/kg wet		40.0		109	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	21.9		µg/kg wet		20.0		109	70-130		
Ethyl ether	20.5		µg/kg wet		20.0		103	70-130		
Tert-amyl methyl ether	19.5		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
Di-isopropyl ether	20.0		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130		
1,4-Dioxane	186		µg/kg wet		200		93	70-130		
trans-1,4-Dichloro-2-butene	20.8		µg/kg wet		20.0		104	70-130		
Ethanol	381		µg/kg wet		400		95	70-130		
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (1014495-BSD1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/kg wet		20.0		120	70-130	15	25
Acetone	18.4		µg/kg wet		20.0		92	70-130	27	50
Acrylonitrile	21.3		µg/kg wet		20.0		107	70-130	6	25
Benzene	22.1		µg/kg wet		20.0		111	70-130	1	25
Bromobenzene	21.1		µg/kg wet		20.0		105	70-130	1	25
Bromochloromethane	21.9		µg/kg wet		20.0		110	70-130	1	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	3	25
Bromoform	18.8		µg/kg wet		20.0		94	70-130	2	25
Bromomethane	18.5		µg/kg wet		20.0		92	70-130	6	50
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	70-130	5	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 09-Jul-10					
LCS Dup (1014495-BSD1)										
n-Butylbenzene	25.3		µg/kg wet		20.0		126	70-130	18	25
sec-Butylbenzene	23.8		µg/kg wet		20.0		119	70-130	8	25
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	3	25
Carbon disulfide	22.1		µg/kg wet		20.0		110	70-130	0.8	25
Carbon tetrachloride	20.5		µg/kg wet		20.0		102	70-130	2	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
Chloroethane	19.5		µg/kg wet		20.0		97	70-130	7	50
Chloroform	19.9		µg/kg wet		20.0		100	70-130	0.8	25
Chloromethane	19.4		µg/kg wet		20.0		97	70-130	2	25
2-Chlorotoluene	21.4		µg/kg wet		20.0		107	70-130	1	25
4-Chlorotoluene	22.3		µg/kg wet		20.0		111	70-130	5	25
1,2-Dibromo-3-chloropropane	16.7		µg/kg wet		20.0		84	70-130	3	25
Dibromochloromethane	19.3		µg/kg wet		20.0		97	70-130	4	50
1,2-Dibromoethane (EDB)	19.8		µg/kg wet		20.0		99	70-130	5	25
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130	2	25
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		111	70-130	4	25
1,4-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
Dichlorodifluoromethane (Freon12)	20.4		µg/kg wet		20.0		102	70-130	3	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	3	25
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130	2	25
1,1-Dichloroethene	19.5		µg/kg wet		20.0		98	70-130	9	25
cis-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	0.7	25
trans-1,2-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130	1	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	0	25
1,3-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	5	25
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	0.9	25
1,1-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130	0.9	25
cis-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	0.6	25
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Hexachlorobutadiene	22.5		µg/kg wet		20.0		112	70-130	14	50
2-Hexanone (MBK)	17.9		µg/kg wet		20.0		90	70-130	4	25
Isopropylbenzene	22.4		µg/kg wet		20.0		112	70-130	5	25
4-Isopropyltoluene	21.9		µg/kg wet		20.0		110	70-130	8	25
Methyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130	5	25
4-Methyl-2-pentanone (MIBK)	15.5		µg/kg wet		20.0		77	70-130	7	50
Methylene chloride	21.4		µg/kg wet		20.0		107	70-130	0.5	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	3	25
n-Propylbenzene	23.3		µg/kg wet		20.0		117	70-130	7	25
Styrene	21.5		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130	2	25
1,1,2,2-Tetrachloroethane	20.7		µg/kg wet		20.0		104	70-130	2	25
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130	6	25
Toluene	21.9		µg/kg wet		20.0		110	70-130	0.8	25
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130	2	25
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	5	25
1,3,5-Trichlorobenzene	22.8		µg/kg wet		20.0		114	70-130	11	25
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		99	70-130	0.3	25
1,1,2-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130	5	25
Trichloroethene	22.5		µg/kg wet		20.0		112	70-130	4	25
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		96	70-130	5	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014495 - SW846 5035A Soil (low level)										
LCS Dup (1014495-BSD1)					Prepared & Analyzed: 09-Jul-10					
1,2,3-Trichloropropane	19.4		µg/kg wet		20.0		97	70-130	4	25
1,2,4-Trimethylbenzene	22.8		µg/kg wet		20.0		114	70-130	8	25
1,3,5-Trimethylbenzene	22.3		µg/kg wet		20.0		112	70-130	7	25
Vinyl chloride	19.8		µg/kg wet		20.0		99	70-130	5	25
m,p-Xylene	45.1		µg/kg wet		40.0		113	70-130	4	25
o-Xylene	22.6		µg/kg wet		20.0		113	70-130	4	25
Tetrahydrofuran	21.1		µg/kg wet		20.0		106	70-130	4	25
Ethyl ether	17.5		µg/kg wet		20.0		87	70-130	16	50
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130	4	25
Ethyl tert-butyl ether	18.7		µg/kg wet		20.0		93	70-130	3	25
Di-isopropyl ether	19.3		µg/kg wet		20.0		96	70-130	4	25
Tert-Butanol / butyl alcohol	168		µg/kg wet		200		84	70-130	8	25
1,4-Dioxane	172		µg/kg wet		200		86	70-130	8	25
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethanol	361		µg/kg wet		400		90	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Batch 1014517 - SW846 5030 Water MS										
Blank (1014517-BLK1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014517 - SW846 5030 Water MS										
Blank (1014517-BLK1)					Prepared & Analyzed: 09-Jul-10					
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*31.8*		µg/kg wet		*30.0*		*106*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014517 - SW846 5030 Water MS										
LCS (1014517-BS1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/kg wet		20.0		93	70-130		
Acetone	20.1		µg/kg wet		20.0		100	70-130		
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130		
Benzene	17.0		µg/kg wet		20.0		85	70-130		
Bromobenzene	18.2		µg/kg wet		20.0		91	70-130		
Bromochloromethane	19.3		µg/kg wet		20.0		96	70-130		
Bromodichloromethane	18.3		µg/kg wet		20.0		91	70-130		
Bromoform	22.6		µg/kg wet		20.0		113	70-130		
Bromomethane	11.0		µg/kg wet		20.0		55	70-130		
2-Butanone (MEK)	22.9		µg/kg wet		20.0		115	70-130		
n-Butylbenzene	17.1		µg/kg wet		20.0		85	70-130		
sec-Butylbenzene	18.3		µg/kg wet		20.0		92	70-130		
tert-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130		
Carbon disulfide	17.8		µg/kg wet		20.0		89	70-130		
Carbon tetrachloride	18.9		µg/kg wet		20.0		94	70-130		
Chlorobenzene	17.7		µg/kg wet		20.0		88	70-130		
Chloroethane	16.1		µg/kg wet		20.0		81	70-130		
Chloroform	16.0		µg/kg wet		20.0		80	70-130		
Chloromethane	14.4		µg/kg wet		20.0		72	70-130		
2-Chlorotoluene	18.1		µg/kg wet		20.0		91	70-130		
4-Chlorotoluene	17.8		µg/kg wet		20.0		89	70-130		
1,2-Dibromo-3-chloropropane	22.2		µg/kg wet		20.0		111	70-130		
Dibromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dibromoethane (EDB)	20.1		µg/kg wet		20.0		100	70-130		
Dibromomethane	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	18.4		µg/kg wet		20.0		92	70-130		
1,3-Dichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,4-Dichlorobenzene	17.7		µg/kg wet		20.0		88	70-130		
Dichlorodifluoromethane (Freon12)	19.6		µg/kg wet		20.0		98	70-130		
1,1-Dichloroethane	16.7		µg/kg wet		20.0		84	70-130		
1,2-Dichloroethane	16.6		µg/kg wet		20.0		83	70-130		
1,1-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
cis-1,2-Dichloroethene	17.7		µg/kg wet		20.0		88	70-130		
trans-1,2-Dichloroethene	16.9		µg/kg wet		20.0		85	70-130		
1,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,3-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130		
2,2-Dichloropropane	16.3		µg/kg wet		20.0		82	70-130		
1,1-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130		
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130		
trans-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130		
Ethylbenzene	17.6		µg/kg wet		20.0		88	70-130		
Hexachlorobutadiene	17.0		µg/kg wet		20.0		85	70-130		
2-Hexanone (MBK)	20.4		µg/kg wet		20.0		102	70-130		
Isopropylbenzene	17.6		µg/kg wet		20.0		88	70-130		
4-Isopropyltoluene	17.7		µg/kg wet		20.0		89	70-130		
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
4-Methyl-2-pentanone (MIBK)	20.6		µg/kg wet		20.0		103	70-130		
Methylene chloride	18.1		µg/kg wet		20.0		90	70-130		
Naphthalene	19.4		µg/kg wet		20.0		97	70-130		
n-Propylbenzene	18.1		µg/kg wet		20.0		90	70-130		
Styrene	18.4		µg/kg wet		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014517 - SW846 5030 Water MS										
LCS (1014517-BS1)					Prepared & Analyzed: 09-Jul-10					
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	18.3		µg/kg wet		20.0		92	70-130		
Toluene	17.6		µg/kg wet		20.0		88	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,3,5-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130		
1,1,1-Trichloroethane	16.5		µg/kg wet		20.0		82	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	17.4		µg/kg wet		20.0		87	70-130		
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		95	70-130		
1,2,3-Trichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trimethylbenzene	17.6		µg/kg wet		20.0		88	70-130		
1,3,5-Trimethylbenzene	18.3		µg/kg wet		20.0		91	70-130		
Vinyl chloride	15.6		µg/kg wet		20.0		78	70-130		
m,p-Xylene	35.6		µg/kg wet		40.0		89	70-130		
o-Xylene	18.0		µg/kg wet		20.0		90	70-130		
Tetrahydrofuran	17.1		µg/kg wet		20.0		85	70-130		
Ethyl ether	18.1		µg/kg wet		20.0		91	70-130		
Tert-amyl methyl ether	15.4		µg/kg wet		20.0		77	70-130		
Ethyl tert-butyl ether	15.8		µg/kg wet		20.0		79	70-130		
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130		
1,4-Dioxane	203		µg/kg wet		200		101	70-130		
trans-1,4-Dichloro-2-butene	20.5		µg/kg wet		20.0		102	70-130		
Ethanol	373		µg/kg wet		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (1014517-BSD1)					Prepared & Analyzed: 09-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.4		µg/kg wet		20.0		87	70-130	7	25
Acetone	21.2		µg/kg wet		20.0		106	70-130	5	50
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130	1	25
Benzene	17.1		µg/kg wet		20.0		86	70-130	0.5	25
Bromobenzene	17.7		µg/kg wet		20.0		88	70-130	3	25
Bromochloromethane	17.9		µg/kg wet		20.0		90	70-130	7	25
Bromodichloromethane	18.4		µg/kg wet		20.0		92	70-130	0.8	25
Bromoform	22.2		µg/kg wet		20.0		111	70-130	2	25
Bromomethane	12.8		µg/kg wet		20.0		64	70-130	15	50
2-Butanone (MEK)	23.4		µg/kg wet		20.0		117	70-130	2	50
n-Butylbenzene	16.5		µg/kg wet		20.0		83	70-130	3	25
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130	5	25
tert-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	6	25
Carbon disulfide	16.6		µg/kg wet		20.0		83	70-130	7	25
Carbon tetrachloride	17.9		µg/kg wet		20.0		89	70-130	6	25
Chlorobenzene	16.9		µg/kg wet		20.0		85	70-130	4	25
Chloroethane	16.0		µg/kg wet		20.0		80	70-130	1	50
Chloroform	16.1		µg/kg wet		20.0		81	70-130	0.7	25
Chloromethane	13.4		µg/kg wet		20.0		67	70-130	8	25
2-Chlorotoluene	17.1		µg/kg wet		20.0		86	70-130	6	25
4-Chlorotoluene	16.9		µg/kg wet		20.0		84	70-130	6	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014517 - SW846 5030 Water MS										
LCS Dup (1014517-BSD1)					Prepared & Analyzed: 09-Jul-10					
1,2-Dibromo-3-chloropropane	21.9		µg/kg wet		20.0		109	70-130	1	25
Dibromochloromethane	19.9		µg/kg wet		20.0		100	70-130	3	50
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130	0.5	25
Dibromomethane	18.7		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	5	25
1,3-Dichlorobenzene	17.5		µg/kg wet		20.0		87	70-130	4	25
1,4-Dichlorobenzene	16.8		µg/kg wet		20.0		84	70-130	5	25
Dichlorodifluoromethane (Freon12)	17.4		µg/kg wet		20.0		87	70-130	12	50
1,1-Dichloroethane	16.1		µg/kg wet		20.0		80	70-130	4	25
1,2-Dichloroethane	16.2		µg/kg wet		20.0		81	70-130	3	25
1,1-Dichloroethene	15.9		µg/kg wet		20.0		79	70-130	12	25
cis-1,2-Dichloroethene	17.0		µg/kg wet		20.0		85	70-130	4	25
trans-1,2-Dichloroethene	16.3		µg/kg wet		20.0		81	70-130	4	25
1,2-Dichloropropane	16.4		µg/kg wet		20.0		82	70-130	4	25
1,3-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130	2	25
2,2-Dichloropropane	15.6		µg/kg wet		20.0		78	70-130	4	25
1,1-Dichloropropene	16.9		µg/kg wet		20.0		84	70-130	4	25
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	0.06	25
trans-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130	3	25
Ethylbenzene	16.7		µg/kg wet		20.0		84	70-130	5	25
Hexachlorobutadiene	15.6		µg/kg wet		20.0		78	70-130	9	50
2-Hexanone (MBK)	20.4		µg/kg wet		20.0		102	70-130	0	25
Isopropylbenzene	16.5		µg/kg wet		20.0		83	70-130	7	25
4-Isopropyltoluene	16.7		µg/kg wet		20.0		83	70-130	6	25
Methyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130	4	25
4-Methyl-2-pentanone (MIBK)	19.6		µg/kg wet		20.0		98	70-130	5	50
Methylene chloride	17.3		µg/kg wet		20.0		87	70-130	4	25
Naphthalene	18.3		µg/kg wet		20.0		92	70-130	6	25
n-Propylbenzene	16.8		µg/kg wet		20.0		84	70-130	7	25
Styrene	17.5		µg/kg wet		20.0		88	70-130	5	25
1,1,1,2-Tetrachloroethane	18.1		µg/kg wet		20.0		91	70-130	4	25
1,1,2,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130	4	25
Tetrachloroethene	17.2		µg/kg wet		20.0		86	70-130	6	25
Toluene	17.3		µg/kg wet		20.0		87	70-130	2	25
1,2,3-Trichlorobenzene	17.1		µg/kg wet		20.0		86	70-130	11	25
1,2,4-Trichlorobenzene	17.5		µg/kg wet		20.0		87	70-130	2	25
1,3,5-Trichlorobenzene	16.8		µg/kg wet		20.0		84	70-130	5	25
1,1,1-Trichloroethane	15.9		µg/kg wet		20.0		79	70-130	4	25
1,1,2-Trichloroethane	18.1		µg/kg wet		20.0		91	70-130	0.4	25
Trichloroethene	16.8		µg/kg wet		20.0		84	70-130	4	25
Trichlorofluoromethane (Freon 11)	17.9		µg/kg wet		20.0		89	70-130	6	50
1,2,3-Trichloropropane	19.8		µg/kg wet		20.0		99	70-130	1	25
1,2,4-Trimethylbenzene	16.6		µg/kg wet		20.0		83	70-130	6	25
1,3,5-Trimethylbenzene	17.4		µg/kg wet		20.0		87	70-130	5	25
Vinyl chloride	13.6	QM9	µg/kg wet		20.0		68	70-130	14	25
m,p-Xylene	34.2		µg/kg wet		40.0		86	70-130	4	25
o-Xylene	17.2		µg/kg wet		20.0		86	70-130	5	25
Tetrahydrofuran	17.9		µg/kg wet		20.0		89	70-130	5	25
Ethyl ether	18.1		µg/kg wet		20.0		90	70-130	0.3	50
Tert-amyl methyl ether	15.6		µg/kg wet		20.0		78	70-130	2	25
Ethyl tert-butyl ether	15.9		µg/kg wet		20.0		80	70-130	0.4	25
Di-isopropyl ether	15.9		µg/kg wet		20.0		80	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014517 - SW846 5030 Water MS										
					Prepared & Analyzed: 09-Jul-10					
LCS Dup (1014517-BSD1)										
Tert-Butanol / butyl alcohol	188		µg/kg wet		200		94	70-130	8	25
1,4-Dioxane	202		µg/kg wet		200		101	70-130	0.6	25
trans-1,4-Dichloro-2-butene	19.7		µg/kg wet		20.0		99	70-130	4	25
Ethanol	373		µg/kg wet		400		93	70-130	0.04	30
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*32.9*		µg/kg wet		*30.0*		*110*	*70-130*		
Batch 1014612 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 12-Jul-10					
Blank (1014612-BLK1)										
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	10.0						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014612 - SW846 5035A Soil (low level)										
Blank (1014612-BLK1)					Prepared & Analyzed: 12-Jul-10					
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	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
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	10.0						
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	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.7*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (1014612-BS1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/kg wet		20.0		96	70-130		
Acetone	19.2		µg/kg wet		20.0		96	70-130		
Acrylonitrile	22.0		µg/kg wet		20.0		110	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	20.5		µg/kg wet		20.0		103	70-130		
Bromochloromethane	21.0		µg/kg wet		20.0		105	70-130		
Bromodichloromethane	19.2		µg/kg wet		20.0		96	70-130		
Bromoform	19.2		µg/kg wet		20.0		96	70-130		
Bromomethane	17.7		µg/kg wet		20.0		89	70-130		
2-Butanone (MEK)	13.9		µg/kg wet		20.0		69	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014612 - SW846 5035A Soil (low level)										
LCS (1014612-BS1)						Prepared & Analyzed: 12-Jul-10				
n-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130		
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
tert-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Carbon disulfide	20.5		µg/kg wet		20.0		102	70-130		
Carbon tetrachloride	19.1		µg/kg wet		20.0		96	70-130		
Chlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
Chloroethane	19.3		µg/kg wet		20.0		97	70-130		
Chloroform	19.0		µg/kg wet		20.0		95	70-130		
Chloromethane	18.9		µg/kg wet		20.0		95	70-130		
2-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	19.8		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		103	70-130		
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	18.3		µg/kg wet		20.0		92	70-130		
1,1-Dichloroethane	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130		
1,3-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130		
2,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	70-130		
2-Hexanone (MBK)	19.5		µg/kg wet		20.0		97	70-130		
Isopropylbenzene	21.1		µg/kg wet		20.0		105	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	18.1		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	16.9		µg/kg wet		20.0		85	70-130		
Methylene chloride	19.9		µg/kg wet		20.0		100	70-130		
Naphthalene	19.7		µg/kg wet		20.0		99	70-130		
n-Propylbenzene	21.1		µg/kg wet		20.0		105	70-130		
Styrene	21.4		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	19.8		µg/kg wet		20.0		99	70-130		
Toluene	20.6		µg/kg wet		20.0		103	70-130		
1,2,3-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,2,4-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3,5-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1-Trichloroethane	19.1		µg/kg wet		20.0		96	70-130		
1,1,2-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130		
Trichloroethene	20.3		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	18.0		µg/kg wet		20.0		90	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014612 - SW846 5035A Soil (low level)										
LCS (1014612-BS1)					Prepared & Analyzed: 12-Jul-10					
1,2,3-Trichloropropane	20.3		µg/kg wet		20.0		102	70-130		
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	19.5		µg/kg wet		20.0		97	70-130		
m,p-Xylene	42.9		µg/kg wet		40.0		107	70-130		
o-Xylene	22.0		µg/kg wet		20.0		110	70-130		
Tetrahydrofuran	20.5		µg/kg wet		20.0		103	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	18.3		µg/kg wet		20.0		91	70-130		
Ethyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130		
Di-isopropyl ether	19.5		µg/kg wet		20.0		98	70-130		
Tert-Butanol / butyl alcohol	176		µg/kg wet		200		88	70-130		
1,4-Dioxane	221		µg/kg wet		200		110	70-130		
trans-1,4-Dichloro-2-butene	20.2		µg/kg wet		20.0		101	70-130		
Ethanol	375		µg/kg wet		400		94	70-130		
Surrogate: 4-Bromofluorobenzene	*51.1*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS Dup (1014612-BSD1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/kg wet		20.0		110	70-130	14	25
Acetone	27.2		µg/kg wet		20.0		136	70-130	34	50
Acrylonitrile	20.2		µg/kg wet		20.0		101	70-130	9	25
Benzene	20.3		µg/kg wet		20.0		102	70-130	4	25
Bromobenzene	20.3		µg/kg wet		20.0		102	70-130	0.9	25
Bromochloromethane	19.8		µg/kg wet		20.0		99	70-130	6	25
Bromodichloromethane	18.7		µg/kg wet		20.0		93	70-130	3	25
Bromoform	18.8		µg/kg wet		20.0		94	70-130	2	25
Bromomethane	17.6		µg/kg wet		20.0		88	70-130	0.5	50
2-Butanone (MEK)	14.0		µg/kg wet		20.0		70	70-130	0.8	50
n-Butylbenzene	27.7	QM9, QR5	µg/kg wet		20.0		139	70-130	28	25
sec-Butylbenzene	23.1		µg/kg wet		20.0		116	70-130	7	25
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Carbon disulfide	20.2		µg/kg wet		20.0		101	70-130	1	25
Carbon tetrachloride	19.1		µg/kg wet		20.0		95	70-130	0.3	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.9	25
Chloroethane	19.2		µg/kg wet		20.0		96	70-130	0.6	50
Chloroform	18.6		µg/kg wet		20.0		93	70-130	2	25
Chloromethane	18.2		µg/kg wet		20.0		91	70-130	4	25
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	5	25
4-Chlorotoluene	22.0		µg/kg wet		20.0		110	70-130	7	25
1,2-Dibromo-3-chloropropane	19.1		µg/kg wet		20.0		95	70-130	4	25
Dibromochloromethane	18.4		µg/kg wet		20.0		92	70-130	2	50
1,2-Dibromoethane (EDB)	19.4		µg/kg wet		20.0		97	70-130	5	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	6	25
1,2-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	0.2	25
1,3-Dichlorobenzene	21.7		µg/kg wet		20.0		108	70-130	6	25
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	5	25
Dichlorodifluoromethane (Freon12)	19.1		µg/kg wet		20.0		96	70-130	4	50
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	5	25
1,2-Dichloroethane	17.7		µg/kg wet		20.0		89	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014612 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 12-Jul-10					
LCS Dup (1014612-BSD1)										
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130	0.2	25
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	3	25
1,2-Dichloropropane	20.3		µg/kg wet		20.0		101	70-130	4	25
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	4	25
2,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	6	25
1,1-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130	4	25
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	1	25
trans-1,3-Dichloropropene	19.5		µg/kg wet		20.0		97	70-130	0.9	25
Ethylbenzene	21.3		µg/kg wet		20.0		107	70-130	2	25
Hexachlorobutadiene	24.4		µg/kg wet		20.0		122	70-130	25	50
2-Hexanone (MBK)	18.3		µg/kg wet		20.0		91	70-130	6	25
Isopropylbenzene	21.5		µg/kg wet		20.0		107	70-130	2	25
4-Isopropyltoluene	22.9		µg/kg wet		20.0		115	70-130	11	25
Methyl tert-butyl ether	17.7		µg/kg wet		20.0		89	70-130	2	25
4-Methyl-2-pentanone (MIBK)	17.1		µg/kg wet		20.0		86	70-130	1	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	4	25
Naphthalene	20.6		µg/kg wet		20.0		103	70-130	4	25
n-Propylbenzene	23.1		µg/kg wet		20.0		116	70-130	9	25
Styrene	21.6		µg/kg wet		20.0		108	70-130	1	25
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	1	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	2	25
Tetrachloroethene	22.0		µg/kg wet		20.0		110	70-130	11	25
Toluene	20.1		µg/kg wet		20.0		101	70-130	2	25
1,2,3-Trichlorobenzene	22.1		µg/kg wet		20.0		111	70-130	7	25
1,2,4-Trichlorobenzene	23.4		µg/kg wet		20.0		117	70-130	14	25
1,3,5-Trichlorobenzene	25.0		µg/kg wet		20.0		125	70-130	19	25
1,1,1-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	4	25
1,1,2-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130	2	25
Trichloroethene	20.4		µg/kg wet		20.0		102	70-130	0.5	25
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	70-130	6	50
1,2,3-Trichloropropane	20.5		µg/kg wet		20.0		103	70-130	1	25
1,2,4-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130	6	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	5	25
Vinyl chloride	18.9		µg/kg wet		20.0		95	70-130	3	25
m,p-Xylene	44.2		µg/kg wet		40.0		110	70-130	3	25
o-Xylene	21.8		µg/kg wet		20.0		109	70-130	1	25
Tetrahydrofuran	21.1		µg/kg wet		20.0		105	70-130	3	25
Ethyl ether	18.8		µg/kg wet		20.0		94	70-130	3	50
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130	4	25
Ethyl tert-butyl ether	17.9		µg/kg wet		20.0		90	70-130	5	25
Di-isopropyl ether	18.7		µg/kg wet		20.0		94	70-130	4	25
Tert-Butanol / butyl alcohol	173		µg/kg wet		200		86	70-130	2	25
1,4-Dioxane	216		µg/kg wet		200		108	70-130	2	25
trans-1,4-Dichloro-2-butene	19.4		µg/kg wet		20.0		97	70-130	4	25
Ethanol	387		µg/kg wet		400		97	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Batch 1014632 - SW846 5030 Soil (high level)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Blank (1014632-BLK1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
Blank (1014632-BLK1)					Prepared & Analyzed: 12-Jul-10					
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/kg wet		*30.0*		*84*	*70-130*		
Surrogate: Toluene-d8	*31.7*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		
LCS (1014632-BS1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	17.2		µg/kg wet		20.0		86	70-130		
Acrylonitrile	17.5		µg/kg wet		20.0		88	70-130		
Benzene	19.5		µg/kg wet		20.0		98	70-130		
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	19.8		µg/kg wet		20.0		99	70-130		
Bromomethane	18.8		µg/kg wet		20.0		94	70-130		
2-Butanone (MEK)	18.3		µg/kg wet		20.0		92	70-130		
n-Butylbenzene	15.7		µg/kg wet		20.0		79	70-130		
sec-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130		
tert-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130		
Carbon disulfide	19.9		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	19.1		µg/kg wet		20.0		96	70-130		
Chlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
Chloroethane	18.4		µg/kg wet		20.0		92	70-130		
Chloroform	18.9		µg/kg wet		20.0		95	70-130		
Chloromethane	15.5		µg/kg wet		20.0		77	70-130		
2-Chlorotoluene	23.3		µg/kg wet		20.0		117	70-130		
4-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
LCS (1014632-BS1)					Prepared & Analyzed: 12-Jul-10					
1,2-Dibromo-3-chloropropane	16.6		µg/kg wet		20.0		83	70-130		
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromoethane (EDB)	21.5		µg/kg wet		20.0		108	70-130		
Dibromomethane	19.6		µg/kg wet		20.0		98	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	19.2		µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	19.1		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	22.2		µg/kg wet		20.0		111	70-130		
2,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
trans-1,3-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
Ethylbenzene	19.5		µg/kg wet		20.0		98	70-130		
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	70-130		
2-Hexanone (MBK)	20.1		µg/kg wet		20.0		100	70-130		
Isopropylbenzene	23.3		µg/kg wet		20.0		116	70-130		
4-Isopropyltoluene	17.8		µg/kg wet		20.0		89	70-130		
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	25.7		µg/kg wet		20.0		129	70-130		
Methylene chloride	19.8		µg/kg wet		20.0		99	70-130		
Naphthalene	18.5		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	17.4		µg/kg wet		20.0		87	70-130		
Styrene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	24.2		µg/kg wet		20.0		121	70-130		
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	24.6		µg/kg wet		20.0		123	70-130		
Toluene	23.1		µg/kg wet		20.0		115	70-130		
1,2,3-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,3,5-Trichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	22.7		µg/kg wet		20.0		113	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	70-130		
1,2,3-Trichloropropane	21.5		µg/kg wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Vinyl chloride	17.5		µg/kg wet		20.0		87	70-130		
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	15.7		µg/kg wet		20.0		79	70-130		
Ethyl ether	20.8		µg/kg wet		20.0		104	70-130		
Tert-amyl methyl ether	19.9		µg/kg wet		20.0		99	70-130		
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
LCS (1014632-BS1)					Prepared & Analyzed: 12-Jul-10					
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130		
1,4-Dioxane	194		µg/kg wet		200		97	70-130		
trans-1,4-Dichloro-2-butene	16.5		µg/kg wet		20.0		83	70-130		
Ethanol	339		µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*32.3*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*34.0*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS Dup (1014632-BSD1)					Prepared & Analyzed: 12-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		96	70-130	2	25
Acetone	16.9		µg/kg wet		20.0		84	70-130	1	50
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130	6	25
Benzene	19.1		µg/kg wet		20.0		95	70-130	2	25
Bromobenzene	23.3		µg/kg wet		20.0		116	70-130	3	25
Bromochloromethane	19.9		µg/kg wet		20.0		100	70-130	3	25
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130	4	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	6	25
Bromomethane	18.2		µg/kg wet		20.0		91	70-130	3	50
2-Butanone (MEK)	19.7		µg/kg wet		20.0		99	70-130	7	50
n-Butylbenzene	14.9		µg/kg wet		20.0		75	70-130	5	25
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	6	25
tert-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Carbon disulfide	18.8		µg/kg wet		20.0		94	70-130	6	25
Carbon tetrachloride	18.3		µg/kg wet		20.0		91	70-130	5	25
Chlorobenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Chloroethane	17.6		µg/kg wet		20.0		88	70-130	4	50
Chloroform	18.1		µg/kg wet		20.0		90	70-130	5	25
Chloromethane	15.0		µg/kg wet		20.0		75	70-130	3	25
2-Chlorotoluene	22.4		µg/kg wet		20.0		112	70-130	4	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	6	25
1,2-Dibromo-3-chloropropane	16.3		µg/kg wet		20.0		82	70-130	2	25
Dibromochloromethane	19.4		µg/kg wet		20.0		97	70-130	3	50
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130	2	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	3	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,3-Dichlorobenzene	22.2		µg/kg wet		20.0		111	70-130	5	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.8	25
Dichlorodifluoromethane (Freon12)	18.4		µg/kg wet		20.0		92	70-130	4	50
1,1-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	5	25
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130	0.4	25
1,1-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	6	25
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130	3	25
trans-1,2-Dichloroethene	18.7		µg/kg wet		20.0		93	70-130	6	25
1,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	2	25
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130	3	25
2,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	9	25
1,1-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	4	25
cis-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130	4	25
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130	3	25
Ethylbenzene	18.9		µg/kg wet		20.0		94	70-130	3	25
Hexachlorobutadiene	20.5		µg/kg wet		20.0		102	70-130	8	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014632 - SW846 5030 Soil (high level)										
LCS Dup (1014632-BSD1)					Prepared & Analyzed: 12-Jul-10					
2-Hexanone (MBK)	21.1		µg/kg wet		20.0		106	70-130	5	25
Isopropylbenzene	22.3		µg/kg wet		20.0		111	70-130	5	25
4-Isopropyltoluene	17.1		µg/kg wet		20.0		86	70-130	4	25
Methyl tert-butyl ether	20.9		µg/kg wet		20.0		105	70-130	0.9	25
4-Methyl-2-pentanone (MIBK)	26.7		µg/kg wet		20.0		134	70-130	4	50
Methylene chloride	19.2		µg/kg wet		20.0		96	70-130	3	25
Naphthalene	17.5		µg/kg wet		20.0		88	70-130	6	25
n-Propylbenzene	17.0		µg/kg wet		20.0		85	70-130	2	25
Styrene	17.5		µg/kg wet		20.0		88	70-130	4	25
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130	5	25
1,1,2,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130	0.8	25
Tetrachloroethene	23.5		µg/kg wet		20.0		117	70-130	5	25
Toluene	22.3		µg/kg wet		20.0		111	70-130	4	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	4	25
1,2,4-Trichlorobenzene	16.7		µg/kg wet		20.0		84	70-130	7	25
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	5	25
1,1,1-Trichloroethane	18.9		µg/kg wet		20.0		95	70-130	6	25
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130	5	25
Trichloroethene	19.3		µg/kg wet		20.0		97	70-130	5	25
Trichlorofluoromethane (Freon 11)	18.8		µg/kg wet		20.0		94	70-130	6	50
1,2,3-Trichloropropane	21.4		µg/kg wet		20.0		107	70-130	0.09	25
1,2,4-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3,5-Trimethylbenzene	17.9		µg/kg wet		20.0		90	70-130	6	25
Vinyl chloride	16.9		µg/kg wet		20.0		84	70-130	4	25
m,p-Xylene	40.4		µg/kg wet		40.0		101	70-130	4	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	2	25
Tetrahydrofuran	16.8		µg/kg wet		20.0		84	70-130	6	25
Ethyl ether	20.6		µg/kg wet		20.0		103	70-130	1	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	2	25
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	0.8	25
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130	0.2	25
Tert-Butanol / butyl alcohol	203		µg/kg wet		200		101	70-130	0.6	25
1,4-Dioxane	181		µg/kg wet		200		90	70-130	7	25
trans-1,4-Dichloro-2-butene	15.7		µg/kg wet		20.0		79	70-130	5	25
Ethanol	361		µg/kg wet		400		90	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*32.4*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*33.9*		µg/kg wet		*30.0*		*113*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.5*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/kg wet		*30.0*		*97*	*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 1014438 - SW846 3545A										
Blank (1014438-BLK1)					Prepared: 08-Jul-10 Analyzed: 12-Jul-10					
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	*2780*		µg/kg wet		*3330*		*84*	*30-130*		
Surrogate: Terphenyl-dl4	*2580*		µg/kg wet		*3330*		*77*	*30-130*		
LCS (1014438-BS1)					Prepared: 08-Jul-10 Analyzed: 12-Jul-10					
Acenaphthene	2370		µg/kg wet	66.5	3330		71	40-140		
Acenaphthylene	2490		µg/kg wet	66.5	3330		75	40-140		
Anthracene	2640		µg/kg wet	66.5	3330		79	40-140		
Benzo (a) anthracene	2440		µg/kg wet	66.5	3330		73	40-140		
Benzo (a) pyrene	2560		µg/kg wet	66.5	3330		77	40-140		
Benzo (b) fluoranthene	2160		µg/kg wet	66.5	3330		65	40-140		
Benzo (g,h,i) perylene	2420		µg/kg wet	66.5	3330		73	40-140		
Benzo (k) fluoranthene	2970		µg/kg wet	66.5	3330		89	40-140		
Chrysene	2450		µg/kg wet	66.5	3330		74	40-140		
Dibenzo (a,h) anthracene	2340		µg/kg wet	66.5	3330		70	40-140		
Fluoranthene	2900		µg/kg wet	66.5	3330		87	40-140		
Fluorene	2940		µg/kg wet	66.5	3330		88	40-140		
Indeno (1,2,3-cd) pyrene	2490		µg/kg wet	66.5	3330		75	40-140		
1-Methylnaphthalene	2820		µg/kg wet	66.5	3330		85	40-140		
2-Methylnaphthalene	2980		µg/kg wet	66.5	3330		90	40-140		
Naphthalene	2410		µg/kg wet	66.5	3330		72	40-140		
Phenanthrene	2330		µg/kg wet	66.5	3330		70	40-140		
Pyrene	2340		µg/kg wet	66.5	3330		70	40-140		
Surrogate: 2-Fluorobiphenyl	*2700*		µg/kg wet		*3330*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*2490*		µg/kg wet		*3330*		*75*	*30-130*		
Batch 1014486 - SW846 3510C										
Blank (1014486-BLK1)					Prepared & Analyzed: 09-Jul-10					
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	0.050						
1-Methylnaphthalene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	0.050						
Benzo (a) anthracene	BRL		µg/l	0.050						
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014486 - SW846 3510C										
Blank (1014486-BLK1)					Prepared & Analyzed: 09-Jul-10					
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Chrysene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Fluoranthene	BRL		µg/l	0.050						
Fluorene	BRL		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050						
2-Methylnaphthalene	BRL		µg/l	0.050						
Naphthalene	BRL		µg/l	0.050						
Phenanthrene	BRL		µg/l	0.050						
Pyrene	BRL		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*28.5*		µg/l		*50.0*		*57*	*30-130*		
Surrogate: Terphenyl-dl4	*30.8*		µg/l		*50.0*		*62*	*30-130*		
LCS (1014486-BS1)					Prepared & Analyzed: 09-Jul-10					
Acenaphthene	30.9		µg/l	0.050	50.0		62	40-140		
Acenaphthylene	31.6		µg/l	0.050	50.0		63	40-140		
1-Methylnaphthalene	29.4		µg/l	0.050	50.0		59	40-140		
Anthracene	33.4		µg/l	0.050	50.0		67	40-140		
Benzo (a) anthracene	33.7		µg/l	0.050	50.0		67	40-140		
Benzo (a) pyrene	33.0		µg/l	0.050	50.0		66	40-140		
Benzo (b) fluoranthene	31.0		µg/l	0.050	50.0		62	40-140		
Benzo (g,h,i) perylene	32.3		µg/l	0.050	50.0		65	40-140		
Benzo (k) fluoranthene	34.3		µg/l	0.050	50.0		69	40-140		
Chrysene	34.1		µg/l	0.050	50.0		68	40-140		
Dibenzo (a,h) anthracene	34.0		µg/l	0.050	50.0		68	40-140		
Fluoranthene	33.2		µg/l	0.050	50.0		66	40-140		
Fluorene	36.7		µg/l	0.050	50.0		73	40-140		
Indeno (1,2,3-cd) pyrene	32.9		µg/l	0.050	50.0		66	40-140		
2-Methylnaphthalene	29.6		µg/l	0.050	50.0		59	40-140		
Naphthalene	27.4		µg/l	0.050	50.0		55	40-140		
Phenanthrene	31.5		µg/l	0.050	50.0		63	40-140		
Pyrene	33.2		µg/l	0.050	50.0		66	40-140		
Surrogate: 2-Fluorobiphenyl	*30.6*		µg/l		*50.0*		*61*	*30-130*		
Surrogate: Terphenyl-dl4	*34.4*		µg/l		*50.0*		*69*	*30-130*		
LCS Dup (1014486-BSD1)					Prepared & Analyzed: 09-Jul-10					
Acenaphthene	31.1		µg/l	0.050	50.0		62	40-140	0.8	20
Acenaphthylene	31.7		µg/l	0.050	50.0		63	40-140	0.2	20
1-Methylnaphthalene	30.7		µg/l	0.050	50.0		61	40-140	4	20
Anthracene	32.7		µg/l	0.050	50.0		65	40-140	2	20
Benzo (a) anthracene	32.2		µg/l	0.050	50.0		64	40-140	5	20
Benzo (a) pyrene	32.0		µg/l	0.050	50.0		64	40-140	3	20
Benzo (b) fluoranthene	29.2		µg/l	0.050	50.0		58	40-140	6	20
Benzo (g,h,i) perylene	30.2		µg/l	0.050	50.0		60	40-140	7	20
Benzo (k) fluoranthene	34.4		µg/l	0.050	50.0		69	40-140	0.2	20
Chrysene	33.4		µg/l	0.050	50.0		67	40-140	2	20
Dibenzo (a,h) anthracene	32.0		µg/l	0.050	50.0		64	40-140	6	20
Fluoranthene	32.8		µg/l	0.050	50.0		66	40-140	1	20
Fluorene	37.1		µg/l	0.050	50.0		74	40-140	1	20
Indeno (1,2,3-cd) pyrene	30.8		µg/l	0.050	50.0		62	40-140	7	20
2-Methylnaphthalene	29.5		µg/l	0.050	50.0		59	40-140	0.4	20
Naphthalene	28.0		µg/l	0.050	50.0		56	40-140	2	20
Phenanthrene	30.9		µg/l	0.050	50.0		62	40-140	2	20

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014486 - SW846 3510C										
LCS Dup (1014486-BSD1)					Prepared & Analyzed: 09-Jul-10					
Pyrene	32.4		µg/l	0.050	50.0		65	40-140	2	20
Surrogate: 2-Fluorobiphenyl	*30.5*		µg/l		*50.0*		*61*	*30-130*		
Surrogate: Terphenyl-dl4	*33.1*		µg/l		*50.0*		*66*	*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 1014170 - SW846 3510C										
Blank (1014170-BLK1)					Prepared: 06-Jul-10 Analyzed: 08-Jul-10					
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						
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	0.040						
Endrin [2C]	BRL		µg/l	0.040						
Endosulfan II	BRL		µg/l	0.040						
Endosulfan II [2C]	BRL		µg/l	0.040						
4,4'-DDD (p,p')	BRL		µg/l	0.040						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.040						
Endosulfan sulfate	BRL		µg/l	0.040						
Endosulfan sulfate [2C]	BRL		µg/l	0.040						
4,4'-DDT (p,p')	BRL		µg/l	0.040						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.040						
Methoxychlor	BRL		µg/l	0.040						
Methoxychlor [2C]	BRL		µg/l	0.040						
Endrin ketone	BRL		µg/l	0.040						
Endrin ketone [2C]	BRL		µg/l	0.040						
Endrin aldehyde	BRL		µg/l	0.040						
Endrin aldehyde [2C]	BRL		µg/l	0.040						
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	0.500						
Toxaphene [2C]	BRL		µg/l	0.500						
Chlordane	BRL		µg/l	0.065						
Chlordane [2C]	BRL		µg/l	0.065						
Alachlor	BRL		µg/l	0.020						
Alachlor [2C]	BRL		µg/l	0.020						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0613*		µg/l		*0.100*		*61*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.0802*		µg/l		*0.100*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0757*		µg/l		*0.100*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0661*		µg/l		*0.100*		*66*	*30-150*		
LCS (1014170-BS1)					Prepared: 06-Jul-10 Analyzed: 08-Jul-10					

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014170 - SW846 3510C										
LCS (1014170-BS1)					Prepared: 06-Jul-10 Analyzed: 08-Jul-10					
alpha-BHC	0.348		µg/l	0.020	0.500		70	40-140		
alpha-BHC [2C]	0.357		µg/l	0.020	0.500		71	40-140		
beta-BHC	0.401		µg/l	0.020	0.500		80	40-140		
beta-BHC [2C]	0.432		µg/l	0.020	0.500		86	40-140		
delta-BHC	0.325		µg/l	0.020	0.500		65	40-140		
delta-BHC [2C]	0.327		µg/l	0.020	0.500		65	40-140		
gamma-BHC (Lindane)	0.392		µg/l	0.020	0.500		78	50-120		
gamma-BHC (Lindane) [2C]	0.379		µg/l	0.020	0.500		76	50-120		
Heptachlor	0.345		µg/l	0.020	0.500		69	40-140		
Heptachlor [2C]	0.338		µg/l	0.020	0.500		68	40-140		
Aldrin	0.347		µg/l	0.020	0.500		69	40-140		
Aldrin [2C]	0.334		µg/l	0.020	0.500		67	40-140		
Heptachlor epoxide	0.371		µg/l	0.020	0.500		74	50-140		
Heptachlor epoxide [2C]	0.394		µg/l	0.020	0.500		79	50-140		
Endosulfan I	0.381		µg/l	0.020	0.500		76	40-140		
Endosulfan I [2C]	0.404		µg/l	0.020	0.500		81	40-140		
Dieldrin	0.374		µg/l	0.020	0.500		75	40-130		
Dieldrin [2C]	0.388		µg/l	0.020	0.500		78	40-130		
4,4'-DDE (p,p')	0.364		µg/l	0.020	0.500		73	50-140		
4,4'-DDE (p,p') [2C]	0.411		µg/l	0.020	0.500		82	50-140		
Endrin	0.407		µg/l	0.040	0.500		81	50-120		
Endrin [2C]	0.470		µg/l	0.040	0.500		94	50-120		
Endosulfan II	0.397		µg/l	0.040	0.500		79	40-140		
Endosulfan II [2C]	0.376		µg/l	0.040	0.500		75	40-140		
4,4'-DDD (p,p')	0.380		µg/l	0.040	0.500		76	40-140		
4,4'-DDD (p,p') [2C]	0.377		µg/l	0.040	0.500		75	40-140		
Endosulfan sulfate	0.386		µg/l	0.040	0.500		77	50-120		
Endosulfan sulfate [2C]	0.423		µg/l	0.040	0.500		85	50-120		
4,4'-DDT (p,p')	0.384		µg/l	0.040	0.500		77	40-140		
4,4'-DDT (p,p') [2C]	0.486		µg/l	0.040	0.500		97	40-140		
Methoxychlor	0.397		µg/l	0.040	0.500		79	40-140		
Methoxychlor [2C]	0.502		µg/l	0.040	0.500		100	40-140		
Endrin ketone	0.395		µg/l	0.040	0.500		79	40-140		
Endrin ketone [2C]	0.430		µg/l	0.040	0.500		86	40-140		
Endrin aldehyde	0.373		µg/l	0.040	0.500		75	40-140		
Endrin aldehyde [2C]	0.363		µg/l	0.040	0.500		73	40-140		
alpha-Chlordane	0.367		µg/l	0.020	0.500		73	40-140		
alpha-Chlordane [2C]	0.413		µg/l	0.020	0.500		83	40-140		
gamma-Chlordane	0.374		µg/l	0.020	0.500		75	40-130		
gamma-Chlordane [2C]	0.438		µg/l	0.020	0.500		88	40-130		
Alachlor	0.488		µg/l	0.020	0.500		98	40-140		
Alachlor [2C]	0.439		µg/l	0.020	0.500		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0405*		µg/l		*0.100*		*41*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.0652*		µg/l		*0.100*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0676*		µg/l		*0.100*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0647*		µg/l		*0.100*		*65*	*30-150*		
LCS Dup (1014170-BSD1)					Prepared: 06-Jul-10 Analyzed: 08-Jul-10					
alpha-BHC	0.333		µg/l	0.020	0.500		67	40-140	4	20
alpha-BHC [2C]	0.349		µg/l	0.020	0.500		70	40-140	2	20
beta-BHC	0.375		µg/l	0.020	0.500		75	40-140	7	20
beta-BHC [2C]	0.429		µg/l	0.020	0.500		86	40-140	0.8	20

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014170 - SW846 3510C										
LCS Dup (1014170-BSD1)					Prepared: 06-Jul-10 Analyzed: 08-Jul-10					
delta-BHC	0.305		µg/l	0.020	0.500		61	40-140	7	20
delta-BHC [2C]	0.328		µg/l	0.020	0.500		66	40-140	0.4	20
gamma-BHC (Lindane)	0.369		µg/l	0.020	0.500		74	50-120	6	20
gamma-BHC (Lindane) [2C]	0.381		µg/l	0.020	0.500		76	50-120	0.4	20
Heptachlor	0.332		µg/l	0.020	0.500		66	40-140	4	20
Heptachlor [2C]	0.359		µg/l	0.020	0.500		72	40-140	6	20
Aldrin	0.320		µg/l	0.020	0.500		64	40-140	8	20
Aldrin [2C]	0.336		µg/l	0.020	0.500		67	40-140	0.4	20
Heptachlor epoxide	0.354		µg/l	0.020	0.500		71	50-140	5	20
Heptachlor epoxide [2C]	0.401		µg/l	0.020	0.500		80	50-140	2	20
Endosulfan I	0.358		µg/l	0.020	0.500		72	40-140	6	20
Endosulfan I [2C]	0.406		µg/l	0.020	0.500		81	40-140	0.3	20
Dieldrin	0.351		µg/l	0.020	0.500		70	40-130	6	20
Dieldrin [2C]	0.391		µg/l	0.020	0.500		78	40-130	0.7	20
4,4'-DDE (p,p')	0.342		µg/l	0.020	0.500		68	50-140	6	20
4,4'-DDE (p,p') [2C]	0.404		µg/l	0.020	0.500		81	50-140	2	20
Endrin	0.386		µg/l	0.040	0.500		77	50-120	5	20
Endrin [2C]	0.467		µg/l	0.040	0.500		93	50-120	0.7	20
Endosulfan II	0.378		µg/l	0.040	0.500		76	40-140	5	20
Endosulfan II [2C]	0.398		µg/l	0.040	0.500		80	40-140	6	20
4,4'-DDD (p,p')	0.346		µg/l	0.040	0.500		69	40-140	9	20
4,4'-DDD (p,p') [2C]	0.383		µg/l	0.040	0.500		77	40-140	2	20
Endosulfan sulfate	0.372		µg/l	0.040	0.500		74	50-120	4	20
Endosulfan sulfate [2C]	0.416		µg/l	0.040	0.500		83	50-120	2	20
4,4'-DDT (p,p')	0.364		µg/l	0.040	0.500		73	40-140	5	20
4,4'-DDT (p,p') [2C]	0.431		µg/l	0.040	0.500		86	40-140	12	20
Methoxychlor	0.383		µg/l	0.040	0.500		77	40-140	4	20
Methoxychlor [2C]	0.473		µg/l	0.040	0.500		95	40-140	6	20
Endrin ketone	0.373		µg/l	0.040	0.500		75	40-140	6	20
Endrin ketone [2C]	0.426		µg/l	0.040	0.500		85	40-140	0.8	20
Endrin aldehyde	0.349		µg/l	0.040	0.500		70	40-140	7	20
Endrin aldehyde [2C]	0.366		µg/l	0.040	0.500		73	40-140	0.8	20
alpha-Chlordane	0.344		µg/l	0.020	0.500		69	40-140	6	20
alpha-Chlordane [2C]	0.406		µg/l	0.020	0.500		81	40-140	2	20
gamma-Chlordane	0.352		µg/l	0.020	0.500		70	40-130	6	20
gamma-Chlordane [2C]	0.425		µg/l	0.020	0.500		85	40-130	3	20
Alachlor	0.438		µg/l	0.020	0.500		88	40-140	11	20
Alachlor [2C]	0.431		µg/l	0.020	0.500		86	40-140	2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0376*		µg/l		*0.100*		*38*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.0512*		µg/l		*0.100*		*51*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0563*		µg/l		*0.100*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0620*		µg/l		*0.100*		*62*	*30-150*		
Batch 1014336 - SW846 3510C										
Blank (1014336-BLK1)					Prepared: 07-Jul-10 Analyzed: 09-Jul-10					
Aroclor-1016	BRL		µg/l	0.200						
Aroclor-1016 [2C]	BRL		µg/l	0.200						
Aroclor-1221	BRL		µg/l	0.200						
Aroclor-1221 [2C]	BRL		µg/l	0.200						
Aroclor-1232	BRL		µg/l	0.200						
Aroclor-1232 [2C]	BRL		µg/l	0.200						
Aroclor-1242	BRL		µg/l	0.200						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014336 - SW846 3510C										
Blank (1014336-BLK1)					Prepared: 07-Jul-10 Analyzed: 09-Jul-10					
Aroclor-1242 [2C]	BRL		µg/l	0.200						
Aroclor-1248	BRL		µg/l	0.200						
Aroclor-1248 [2C]	BRL		µg/l	0.200						
Aroclor-1254	BRL		µg/l	0.200						
Aroclor-1254 [2C]	BRL		µg/l	0.200						
Aroclor-1260	BRL		µg/l	0.200						
Aroclor-1260 [2C]	BRL		µg/l	0.200						
Aroclor-1262	BRL		µg/l	0.200						
Aroclor-1262 [2C]	BRL		µg/l	0.200						
Aroclor-1268	BRL		µg/l	0.200						
Aroclor-1268 [2C]	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.199*		µg/l		*0.200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.166*		µg/l		*0.200*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.166*		µg/l		*0.200*		*83*	*30-150*		
LCS (1014336-BS1)					Prepared: 07-Jul-10 Analyzed: 09-Jul-10					
Aroclor-1016	2.52		µg/l	0.200	2.50		101	50-140		
Aroclor-1016 [2C]	2.43		µg/l	0.200	2.50		97	50-140		
Aroclor-1260	2.24		µg/l	0.200	2.50		89	50-140		
Aroclor-1260 [2C]	2.47		µg/l	0.200	2.50		99	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.213*		µg/l		*0.200*		*107*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.221*		µg/l		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.179*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.197*		µg/l		*0.200*		*98*	*30-150*		
LCS Dup (1014336-BSD1)					Prepared: 07-Jul-10 Analyzed: 09-Jul-10					
Aroclor-1016	2.74		µg/l	0.200	2.50		110	50-140	9	30
Aroclor-1016 [2C]	2.17		µg/l	0.200	2.50		87	50-140	11	30
Aroclor-1260	2.43		µg/l	0.200	2.50		97	50-140	8	30
Aroclor-1260 [2C]	2.18		µg/l	0.200	2.50		87	50-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/l		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.184*		µg/l		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.215*		µg/l		*0.200*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.174*		µg/l		*0.200*		*87*	*30-150*		
Batch 1014369 - SW846 3545A										
Blank (1014369-BLK1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
alpha-BHC	BRL		µg/kg wet	5.00						
alpha-BHC [2C]	BRL		µg/kg wet	5.00						
beta-BHC	BRL		µg/kg wet	5.00						
beta-BHC [2C]	BRL		µg/kg wet	5.00						
delta-BHC	BRL		µg/kg wet	5.00						
delta-BHC [2C]	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Heptachlor [2C]	BRL		µg/kg wet	5.00						
Aldrin	BRL		µg/kg wet	5.00						
Aldrin [2C]	BRL		µg/kg wet	5.00						
Heptachlor epoxide	BRL		µg/kg wet	5.00						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014369 - SW846 3545A										
Blank (1014369-BLK1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Endosulfan I [2C]	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Dieldrin [2C]	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	8.00						
Endrin [2C]	BRL		µg/kg wet	8.00						
Endosulfan II	BRL		µg/kg wet	8.00						
Endosulfan II [2C]	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	8.00						
Endosulfan sulfate	BRL		µg/kg wet	8.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	8.00						
Methoxychlor	BRL		µg/kg wet	8.00						
Methoxychlor [2C]	BRL		µg/kg wet	8.00						
Endrin ketone	BRL		µg/kg wet	8.00						
Endrin ketone [2C]	BRL		µg/kg wet	8.00						
Endrin aldehyde	BRL		µg/kg wet	8.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	8.00						
alpha-Chlordane	BRL		µg/kg wet	5.00						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.00						
gamma-Chlordane	BRL		µg/kg wet	5.00						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	100						
Toxaphene [2C]	BRL		µg/kg wet	100						
Chlordane	BRL		µg/kg wet	20.0						
Chlordane [2C]	BRL		µg/kg wet	20.0						
Alachlor	BRL		µg/kg wet	5.00						
Alachlor [2C]	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.7*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.4*		µg/kg wet		*20.0*		*117*	*30-150*		
LCS (1014369-BS1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
alpha-BHC	46.6		µg/kg wet	5.00	50.0		93	40-140		
alpha-BHC [2C]	43.3		µg/kg wet	5.00	50.0		87	40-140		
beta-BHC	46.7		µg/kg wet	5.00	50.0		93	40-140		
beta-BHC [2C]	46.2		µg/kg wet	5.00	50.0		92	40-140		
delta-BHC	38.6		µg/kg wet	5.00	50.0		77	40-140		
delta-BHC [2C]	36.9		µg/kg wet	5.00	50.0		74	40-140		
gamma-BHC (Lindane)	48.9		µg/kg wet	5.00	50.0		98	50-120		
gamma-BHC (Lindane) [2C]	44.9		µg/kg wet	5.00	50.0		90	50-120		
Heptachlor	47.4		µg/kg wet	5.00	50.0		95	40-140		
Heptachlor [2C]	45.8		µg/kg wet	5.00	50.0		92	40-140		
Aldrin	47.0		µg/kg wet	5.00	50.0		94	40-140		
Aldrin [2C]	45.1		µg/kg wet	5.00	50.0		90	40-140		
Heptachlor epoxide	46.1		µg/kg wet	5.00	50.0		92	50-140		
Heptachlor epoxide [2C]	46.4		µg/kg wet	5.00	50.0		93	50-140		
Endosulfan I	45.2		µg/kg wet	5.00	50.0		90	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014369 - SW846 3545A										
LCS (1014369-BS1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Endosulfan I [2C]	47.4		µg/kg wet	5.00	50.0		95	40-140		
Dieldrin	45.0		µg/kg wet	5.00	50.0		90	40-130		
Dieldrin [2C]	46.7		µg/kg wet	5.00	50.0		93	40-130		
4,4'-DDE (p,p')	44.6		µg/kg wet	5.00	50.0		89	50-140		
4,4'-DDE (p,p') [2C]	48.8		µg/kg wet	5.00	50.0		98	50-140		
Endrin	50.0		µg/kg wet	8.00	50.0		100	50-120		
Endrin [2C]	55.0		µg/kg wet	8.00	50.0		110	50-120		
Endosulfan II	48.9		µg/kg wet	8.00	50.0		98	40-140		
Endosulfan II [2C]	47.7		µg/kg wet	8.00	50.0		95	40-140		
4,4'-DDD (p,p')	44.4		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p') [2C]	45.5		µg/kg wet	8.00	50.0		91	40-140		
Endosulfan sulfate	46.5		µg/kg wet	8.00	50.0		93	50-120		
Endosulfan sulfate [2C]	49.3		µg/kg wet	8.00	50.0		99	50-120		
4,4'-DDT (p,p')	47.5		µg/kg wet	8.00	50.0		95	40-140		
4,4'-DDT (p,p') [2C]	53.2		µg/kg wet	8.00	50.0		106	40-140		
Methoxychlor	50.1		µg/kg wet	8.00	50.0		100	40-140		
Methoxychlor [2C]	61.1		µg/kg wet	8.00	50.0		122	40-140		
Endrin ketone	48.5		µg/kg wet	8.00	50.0		97	40-140		
Endrin ketone [2C]	50.6		µg/kg wet	8.00	50.0		101	40-140		
Endrin aldehyde	41.1		µg/kg wet	8.00	50.0		82	40-140		
Endrin aldehyde [2C]	40.9		µg/kg wet	8.00	50.0		82	40-140		
alpha-Chlordane	44.7		µg/kg wet	5.00	50.0		89	40-140		
alpha-Chlordane [2C]	48.0		µg/kg wet	5.00	50.0		96	40-140		
gamma-Chlordane	45.6		µg/kg wet	5.00	50.0		91	40-130		
gamma-Chlordane [2C]	49.1		µg/kg wet	5.00	50.0		98	40-130		
Alachlor	53.7		µg/kg wet	5.00	50.0		107	40-140		
Alachlor [2C]	48.5		µg/kg wet	5.00	50.0		97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.9*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.6*		µg/kg wet		*20.0*		*123*	*30-150*		
LCS Dup (1014369-BSD1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
alpha-BHC	47.7		µg/kg wet	5.00	50.0		95	40-140	2	30
alpha-BHC [2C]	44.6		µg/kg wet	5.00	50.0		89	40-140	3	30
beta-BHC	47.8		µg/kg wet	5.00	50.0		96	40-140	2	30
beta-BHC [2C]	47.7		µg/kg wet	5.00	50.0		95	40-140	3	30
delta-BHC	39.2		µg/kg wet	5.00	50.0		78	40-140	2	30
delta-BHC [2C]	37.6		µg/kg wet	5.00	50.0		75	40-140	2	30
gamma-BHC (Lindane)	50.0		µg/kg wet	5.00	50.0		100	50-120	2	30
gamma-BHC (Lindane) [2C]	46.3		µg/kg wet	5.00	50.0		93	50-120	3	30
Heptachlor	48.6		µg/kg wet	5.00	50.0		97	40-140	2	30
Heptachlor [2C]	47.3		µg/kg wet	5.00	50.0		95	40-140	3	30
Aldrin	48.4		µg/kg wet	5.00	50.0		97	40-140	3	30
Aldrin [2C]	46.2		µg/kg wet	5.00	50.0		92	40-140	2	30
Heptachlor epoxide	45.3		µg/kg wet	5.00	50.0		91	50-140	2	30
Heptachlor epoxide [2C]	48.0		µg/kg wet	5.00	50.0		96	50-140	3	30
Endosulfan I	46.7		µg/kg wet	5.00	50.0		93	40-140	3	30
Endosulfan I [2C]	48.8		µg/kg wet	5.00	50.0		98	40-140	3	30
Dieldrin	46.7		µg/kg wet	5.00	50.0		93	40-130	4	30
Dieldrin [2C]	46.9		µg/kg wet	5.00	50.0		94	40-130	0.4	30
4,4'-DDE (p,p')	46.5		µg/kg wet	5.00	50.0		93	50-140	4	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014369 - SW846 3545A						Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
LCS Dup (1014369-BSD1)										
4,4'-DDE (p,p') [2C]	50.8		µg/kg wet	5.00	50.0		102	50-140	4	30
Endrin	52.1		µg/kg wet	8.00	50.0		104	50-120	4	30
Endrin [2C]	56.0		µg/kg wet	8.00	50.0		112	50-120	2	30
Endosulfan II	49.2		µg/kg wet	8.00	50.0		98	40-140	0.5	30
Endosulfan II [2C]	42.4		µg/kg wet	8.00	50.0		85	40-140	12	30
4,4'-DDD (p,p')	47.1		µg/kg wet	8.00	50.0		94	40-140	6	30
4,4'-DDD (p,p') [2C]	44.7		µg/kg wet	8.00	50.0		89	40-140	2	30
Endosulfan sulfate	47.9		µg/kg wet	8.00	50.0		96	50-120	3	30
Endosulfan sulfate [2C]	49.6		µg/kg wet	8.00	50.0		99	50-120	0.6	30
4,4'-DDT (p,p')	50.5		µg/kg wet	8.00	50.0		101	40-140	6	30
4,4'-DDT (p,p') [2C]	55.6		µg/kg wet	8.00	50.0		111	40-140	4	30
Methoxychlor	52.3		µg/kg wet	8.00	50.0		105	40-140	4	30
Methoxychlor [2C]	61.7		µg/kg wet	8.00	50.0		123	40-140	0.9	30
Endrin ketone	51.6		µg/kg wet	8.00	50.0		103	40-140	6	30
Endrin ketone [2C]	50.6		µg/kg wet	8.00	50.0		101	40-140	0.08	30
Endrin aldehyde	44.6		µg/kg wet	8.00	50.0		89	40-140	8	30
Endrin aldehyde [2C]	41.5		µg/kg wet	8.00	50.0		83	40-140	1	30
alpha-Chlordane	45.3		µg/kg wet	5.00	50.0		91	40-140	1	30
alpha-Chlordane [2C]	50.2		µg/kg wet	5.00	50.0		100	40-140	5	30
gamma-Chlordane	47.2		µg/kg wet	5.00	50.0		94	40-130	3	30
gamma-Chlordane [2C]	52.4		µg/kg wet	5.00	50.0		105	40-130	6	30
Alachlor	58.0		µg/kg wet	5.00	50.0		116	40-140	8	30
Alachlor [2C]	49.9		µg/kg wet	5.00	50.0		100	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.5*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.7*		µg/kg wet		*20.0*		*119*	*30-150*		
Batch 1014370 - SW846 3545A						Prepared: 08-Jul-10 Analyzed: 10-Jul-10				
Blank (1014370-BLK1)										
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)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.5*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.3*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.7*		µg/kg wet		*20.0*		*84*	*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 1014370 - SW846 3545A										
LCS (1014370-BS1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	261		µg/kg wet	20.0	250		104	50-140		
Aroclor-1016 [2C]	248		µg/kg wet	20.0	250		99	50-140		
Aroclor-1260	229		µg/kg wet	20.0	250		91	50-140		
Aroclor-1260 [2C]	226		µg/kg wet	20.0	250		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
LCS Dup (1014370-BSD1)					Prepared: 08-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	264		µg/kg wet	20.0	250		106	50-140	1	30
Aroclor-1016 [2C]	257		µg/kg wet	20.0	250		103	50-140	3	30
Aroclor-1260	245		µg/kg wet	20.0	250		98	50-140	7	30
Aroclor-1260 [2C]	231		µg/kg wet	20.0	250		93	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.4*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.1*		µg/kg wet		*20.0*		*90*	*30-150*		
Batch 1014484 - SW846 3545A										
Blank (1014484-BLK1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
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)	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.9*		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]	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
LCS (1014484-BS1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	256		µg/kg wet	20.0	250		102	50-140		
Aroclor-1016 [2C]	271		µg/kg wet	20.0	250		108	50-140		
Aroclor-1260	236		µg/kg wet	20.0	250		94	50-140		
Aroclor-1260 [2C]	229		µg/kg wet	20.0	250		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.4*		µg/kg wet		*20.0*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*20.0*		*129*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014484 - SW846 3545A										
LCS Dup (1014484-BSD1)					Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	271		µg/kg wet	20.0	250		108	50-140	6	30
Aroclor-1016 [2C]	269		µg/kg wet	20.0	250		108	50-140	0.4	30
Aroclor-1260	283		µg/kg wet	20.0	250		113	50-140	18	30
Aroclor-1260 [2C]	240		µg/kg wet	20.0	250		96	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.8*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.4*		µg/kg wet		*20.0*		*127*	*30-150*		
Duplicate (1014484-DUP1)			Source: SB14713-10		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1221	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1232	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1242	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1248	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1254	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1260	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1262	BRL		µg/kg dry	11.7		BRL				40
Aroclor-1268	BRL		µg/kg dry	11.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.6*		µg/kg dry		*11.7*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.6*		µg/kg dry		*11.7*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.56*		µg/kg dry		*11.7*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.6*		µg/kg dry		*11.7*		*107*	*30-150*		
Matrix Spike (1014484-MS1)			Source: SB14713-10		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	264		µg/kg dry	22.4	280	BRL	94	40-135		
Aroclor-1260	297		µg/kg dry	22.4	280	BRL	106	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.7*		µg/kg dry		*22.4*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.4*		µg/kg dry		*22.4*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.4*		µg/kg dry		*22.4*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.2*		µg/kg dry		*22.4*		*99*	*30-150*		
Matrix Spike Dup (1014484-MSD1)			Source: SB14713-10		Prepared: 09-Jul-10 Analyzed: 10-Jul-10					
Aroclor-1016	287		µg/kg dry	22.3	279	BRL	103	40-135	9	30
Aroclor-1260	280		µg/kg dry	22.3	279	BRL	101	40-135	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.7*		µg/kg dry		*22.3*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.3*		µg/kg dry		*22.3*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.3*		µg/kg dry		*22.3*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.4*		µg/kg dry		*22.3*		*110*	*30-150*		
Batch 1014485 - SW846 3545A										
Blank (1014485-BLK1)					Prepared & Analyzed: 09-Jul-10					
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						
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						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014485 - SW846 3545A										
Blank (1014485-BLK1)					Prepared & Analyzed: 09-Jul-10					
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)	*8.99*		µg/kg wet		*10.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.78*		µg/kg wet		*10.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.4*		µg/kg wet		*10.0*		*134*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.7*		µg/kg wet		*10.0*		*117*	*30-150*		
LCS (1014485-BS1)					Prepared & Analyzed: 09-Jul-10					
alpha-BHC	20.8		µg/kg wet	2.50	25.0		83	40-140		
alpha-BHC [2C]	21.2		µg/kg wet	2.50	25.0		85	40-140		
beta-BHC	21.1		µg/kg wet	2.50	25.0		84	40-140		
beta-BHC [2C]	22.4		µg/kg wet	2.50	25.0		90	40-140		
delta-BHC	16.9		µg/kg wet	2.50	25.0		68	40-140		
delta-BHC [2C]	17.4		µg/kg wet	2.50	25.0		70	40-140		
gamma-BHC (Lindane)	21.5		µg/kg wet	2.50	25.0		86	50-120		
gamma-BHC (Lindane) [2C]	21.8		µg/kg wet	2.50	25.0		87	50-120		
Heptachlor	20.7		µg/kg wet	2.50	25.0		83	40-140		
Heptachlor [2C]	21.2		µg/kg wet	2.50	25.0		85	40-140		
Aldrin	20.1		µg/kg wet	2.50	25.0		81	40-140		
Aldrin [2C]	20.6		µg/kg wet	2.50	25.0		82	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014485 - SW846 3545A										
LCS (1014485-BS1)					Prepared & Analyzed: 09-Jul-10					
Heptachlor epoxide	19.8		µg/kg wet	2.50	25.0		79	50-140		
Heptachlor epoxide [2C]	20.8		µg/kg wet	2.50	25.0		83	50-140		
Endosulfan I	19.5		µg/kg wet	2.50	25.0		78	40-140		
Endosulfan I [2C]	21.2		µg/kg wet	2.50	25.0		85	40-140		
Dieldrin	19.1		µg/kg wet	2.50	25.0		76	40-130		
Dieldrin [2C]	21.0		µg/kg wet	2.50	25.0		84	40-130		
4,4'-DDE (p,p')	19.2		µg/kg wet	2.50	25.0		77	50-140		
4,4'-DDE (p,p') [2C]	22.0		µg/kg wet	2.50	25.0		88	50-140		
Endrin	20.9		µg/kg wet	4.00	25.0		84	50-120		
Endrin [2C]	24.3		µg/kg wet	4.00	25.0		97	50-120		
Endosulfan II	20.2		µg/kg wet	4.00	25.0		81	40-140		
Endosulfan II [2C]	22.3		µg/kg wet	4.00	25.0		89	40-140		
4,4'-DDD (p,p')	19.0		µg/kg wet	4.00	25.0		76	40-140		
4,4'-DDD (p,p') [2C]	21.1		µg/kg wet	4.00	25.0		84	40-140		
Endosulfan sulfate	19.6		µg/kg wet	4.00	25.0		78	50-120		
Endosulfan sulfate [2C]	21.9		µg/kg wet	4.00	25.0		87	50-120		
4,4'-DDT (p,p')	20.7		µg/kg wet	4.00	25.0		83	40-140		
4,4'-DDT (p,p') [2C]	21.8		µg/kg wet	4.00	25.0		87	40-140		
Methoxychlor	20.7		µg/kg wet	4.00	25.0		83	40-140		
Methoxychlor [2C]	24.8		µg/kg wet	4.00	25.0		99	40-140		
Endrin ketone	20.8		µg/kg wet	4.00	25.0		83	40-140		
Endrin ketone [2C]	22.6		µg/kg wet	4.00	25.0		91	40-140		
Endrin aldehyde	19.6		µg/kg wet	4.00	25.0		79	40-140		
Endrin aldehyde [2C]	20.1		µg/kg wet	4.00	25.0		81	40-140		
alpha-Chlordane	19.6		µg/kg wet	2.50	25.0		78	40-140		
alpha-Chlordane [2C]	21.4		µg/kg wet	2.50	25.0		86	40-140		
gamma-Chlordane	19.6		µg/kg wet	2.50	25.0		78	40-130		
gamma-Chlordane [2C]	21.7		µg/kg wet	2.50	25.0		87	40-130		
Alachlor	22.7		µg/kg wet	2.50	25.0		91	40-140		
Alachlor [2C]	21.4		µg/kg wet	2.50	25.0		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.55*		µg/kg wet		*10.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.09*		µg/kg wet		*10.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.6*		µg/kg wet		*10.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.4*		µg/kg wet		*10.0*		*134*	*30-150*		
LCS Dup (1014485-BSD1)					Prepared & Analyzed: 09-Jul-10					
alpha-BHC	21.0		µg/kg wet	2.50	25.0		84	40-140	0.8	30
alpha-BHC [2C]	21.4		µg/kg wet	2.50	25.0		86	40-140	1	30
beta-BHC	21.6		µg/kg wet	2.50	25.0		86	40-140	2	30
beta-BHC [2C]	22.8		µg/kg wet	2.50	25.0		91	40-140	2	30
delta-BHC	17.6		µg/kg wet	2.50	25.0		71	40-140	4	30
delta-BHC [2C]	17.9		µg/kg wet	2.50	25.0		72	40-140	3	30
gamma-BHC (Lindane)	21.9		µg/kg wet	2.50	25.0		88	50-120	2	30
gamma-BHC (Lindane) [2C]	22.2		µg/kg wet	2.50	25.0		89	50-120	2	30
Heptachlor	21.3		µg/kg wet	2.50	25.0		85	40-140	3	30
Heptachlor [2C]	22.0		µg/kg wet	2.50	25.0		88	40-140	4	30
Aldrin	21.0		µg/kg wet	2.50	25.0		84	40-140	4	30
Aldrin [2C]	21.4		µg/kg wet	2.50	25.0		86	40-140	4	30
Heptachlor epoxide	20.7		µg/kg wet	2.50	25.0		83	50-140	5	30
Heptachlor epoxide [2C]	21.5		µg/kg wet	2.50	25.0		86	50-140	3	30
Endosulfan I	20.4		µg/kg wet	2.50	25.0		82	40-140	4	30
Endosulfan I [2C]	22.0		µg/kg wet	2.50	25.0		88	40-140	4	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 1014485 - SW846 3545A										
LCS Dup (1014485-BSD1)					Prepared & Analyzed: 09-Jul-10					
Dieldrin	19.7		µg/kg wet	2.50	25.0		79	40-130	4	30
Dieldrin [2C]	21.7		µg/kg wet	2.50	25.0		87	40-130	3	30
4,4'-DDE (p,p')	20.1		µg/kg wet	2.50	25.0		81	50-140	5	30
4,4'-DDE (p,p') [2C]	22.5		µg/kg wet	2.50	25.0		90	50-140	2	30
Endrin	21.5		µg/kg wet	4.00	25.0		86	50-120	3	30
Endrin [2C]	25.6		µg/kg wet	4.00	25.0		103	50-120	6	30
Endosulfan II	20.7		µg/kg wet	4.00	25.0		83	40-140	2	30
Endosulfan II [2C]	23.4		µg/kg wet	4.00	25.0		94	40-140	5	30
4,4'-DDD (p,p')	19.7		µg/kg wet	4.00	25.0		79	40-140	4	30
4,4'-DDD (p,p') [2C]	21.5		µg/kg wet	4.00	25.0		86	40-140	2	30
Endosulfan sulfate	20.9		µg/kg wet	4.00	25.0		83	50-120	6	30
Endosulfan sulfate [2C]	22.4		µg/kg wet	4.00	25.0		90	50-120	2	30
4,4'-DDT (p,p')	20.9		µg/kg wet	4.00	25.0		83	40-140	0.8	30
4,4'-DDT (p,p') [2C]	22.1		µg/kg wet	4.00	25.0		88	40-140	2	30
Methoxychlor	21.2		µg/kg wet	4.00	25.0		85	40-140	2	30
Methoxychlor [2C]	25.6		µg/kg wet	4.00	25.0		102	40-140	3	30
Endrin ketone	21.4		µg/kg wet	4.00	25.0		86	40-140	3	30
Endrin ketone [2C]	23.6		µg/kg wet	4.00	25.0		94	40-140	4	30
Endrin aldehyde	19.8		µg/kg wet	4.00	25.0		79	40-140	0.8	30
Endrin aldehyde [2C]	21.2		µg/kg wet	4.00	25.0		85	40-140	5	30
alpha-Chlordane	20.4		µg/kg wet	2.50	25.0		82	40-140	4	30
alpha-Chlordane [2C]	21.9		µg/kg wet	2.50	25.0		88	40-140	2	30
gamma-Chlordane	20.5		µg/kg wet	2.50	25.0		82	40-130	5	30
gamma-Chlordane [2C]	22.0		µg/kg wet	2.50	25.0		88	40-130	1	30
Alachlor	23.6		µg/kg wet	2.50	25.0		94	40-140	4	30
Alachlor [2C]	22.3		µg/kg wet	2.50	25.0		89	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.63*		µg/kg wet		*10.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.16*		µg/kg wet		*10.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.1*		µg/kg wet		*10.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.4*		µg/kg wet		*10.0*		*114*	*30-150*		
Duplicate (1014485-DUP1)			Source: SB14713-10		Prepared & Analyzed: 09-Jul-10					
alpha-BHC	BRL		µg/kg dry	2.93		BRL				30
beta-BHC	BRL		µg/kg dry	2.93		BRL				30
delta-BHC	BRL		µg/kg dry	2.93		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	2.93		BRL				30
Heptachlor	BRL		µg/kg dry	2.93		BRL				30
Aldrin	BRL		µg/kg dry	2.93		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	2.93		BRL				30
Endosulfan I	BRL		µg/kg dry	2.93		BRL				30
Dieldrin	BRL		µg/kg dry	2.93		BRL				30
4,4'-DDE (p,p')	2.83	J	µg/kg dry	2.93		2.71			5	30
Endrin	BRL		µg/kg dry	4.69		BRL				30
Endosulfan II	BRL		µg/kg dry	4.69		BRL				30
4,4'-DDD (p,p')	2.65	J	µg/kg dry	4.69		2.08			24	30
Endosulfan sulfate	BRL		µg/kg dry	4.69		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	4.69		BRL				30
Methoxychlor	BRL		µg/kg dry	4.69		BRL				30
Endrin ketone	BRL		µg/kg dry	4.69		BRL				30
Endrin aldehyde	BRL		µg/kg dry	4.69		BRL				30
alpha-Chlordane	BRL		µg/kg dry	2.93		BRL				30
gamma-Chlordane	BRL		µg/kg dry	2.93		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 1014485 - SW846 3545A										
Duplicate (1014485-DUP1)			Source: SB14713-10			Prepared & Analyzed: 09-Jul-10				
Toxaphene	BRL		µg/kg dry	58.7		BRL				30
Chlordane	BRL		µg/kg dry	11.7		BRL				30
Alachlor	BRL		µg/kg dry	2.93		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.69*		µg/kg dry		*11.7*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.60*		µg/kg dry		*11.7*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg dry		*11.7*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.3*		µg/kg dry		*11.7*		*113*	*30-150*		
Matrix Spike (1014485-MS1)			Source: SB14713-10			Prepared & Analyzed: 09-Jul-10				
alpha-BHC	17.0		µg/kg dry	2.96	29.6	BRL	58	30-150		
beta-BHC	17.7		µg/kg dry	2.96	29.6	BRL	60	30-150		
delta-BHC	17.3		µg/kg dry	2.96	29.6	BRL	58	30-150		
gamma-BHC (Lindane)	23.9		µg/kg dry	2.96	29.6	BRL	81	46-127		
Heptachlor	15.3		µg/kg dry	2.96	29.6	BRL	52	35-130		
Aldrin	17.7		µg/kg dry	2.96	29.6	BRL	60	34-132		
Heptachlor epoxide	19.5		µg/kg dry	2.96	29.6	BRL	66	30-150		
Endosulfan I	15.5		µg/kg dry	2.96	29.6	BRL	53	30-150		
Dieldrin	16.7		µg/kg dry	2.96	29.6	BRL	56	31-134		
4,4'-DDE (p,p')	14.8		µg/kg dry	2.96	29.6	2.71	41	30-150		
Endrin	15.9		µg/kg dry	4.73	29.6	BRL	54	42-139		
Endosulfan II	18.4		µg/kg dry	4.73	29.6	BRL	62	30-150		
4,4'-DDD (p,p')	17.2		µg/kg dry	4.73	29.6	2.08	51	30-150		
Endosulfan sulfate	21.5		µg/kg dry	4.73	29.6	BRL	73	30-150		
4,4'-DDT (p,p')	18.9		µg/kg dry	4.73	29.6	BRL	64	23-134		
Methoxychlor	40.8		µg/kg dry	4.73	29.6	BRL	138	30-150		
Endrin ketone	23.2		µg/kg dry	4.73	29.6	BRL	79	30-150		
Endrin aldehyde	13.7		µg/kg dry	4.73	29.6	BRL	46	30-150		
alpha-Chlordane	16.4		µg/kg dry	2.96	29.6	BRL	56	30-150		
gamma-Chlordane	60.7	QM7	µg/kg dry	2.96	29.6	BRL	205	30-150		
Alachlor	20.0		µg/kg dry	2.96	29.6	BRL	68	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.51*		µg/kg dry		*11.8*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.85*		µg/kg dry		*11.8*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.0*		µg/kg dry		*11.8*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.7*		µg/kg dry		*11.8*		*107*	*30-150*		
Matrix Spike Dup (1014485-MSD1)			Source: SB14713-10			Prepared & Analyzed: 09-Jul-10				
alpha-BHC	18.7		µg/kg dry	2.95	29.5	BRL	63	30-150	9	30
beta-BHC	20.3		µg/kg dry	2.95	29.5	BRL	69	30-150	14	30
delta-BHC	15.8		µg/kg dry	2.95	29.5	BRL	54	30-150	9	30
gamma-BHC (Lindane)	22.5		µg/kg dry	2.95	29.5	BRL	76	46-127	6	30
Heptachlor	17.6		µg/kg dry	2.95	29.5	BRL	60	35-130	14	30
Aldrin	17.5		µg/kg dry	2.95	29.5	BRL	59	34-132	0.9	30
Heptachlor epoxide	18.6		µg/kg dry	2.95	29.5	BRL	63	30-150	5	30
Endosulfan I	17.7		µg/kg dry	2.95	29.5	BRL	60	30-150	13	30
Dieldrin	18.6		µg/kg dry	2.95	29.5	BRL	63	31-134	11	30
4,4'-DDE (p,p')	18.5		µg/kg dry	2.95	29.5	2.71	54	30-150	27	30
Endrin	19.1		µg/kg dry	4.72	29.5	BRL	65	42-139	19	30
Endosulfan II	19.8		µg/kg dry	4.72	29.5	BRL	67	30-150	8	30
4,4'-DDD (p,p')	20.6		µg/kg dry	4.72	29.5	2.08	63	30-150	20	30
Endosulfan sulfate	21.9		µg/kg dry	4.72	29.5	BRL	74	30-150	2	30
4,4'-DDT (p,p')	21.0		µg/kg dry	4.72	29.5	BRL	71	23-134	11	30
Methoxychlor	30.4		µg/kg dry	4.72	29.5	BRL	103	30-150	29	30
Endrin ketone	22.8		µg/kg dry	4.72	29.5	BRL	77	30-150	2	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 1014485 - SW846 3545A										
Matrix Spike Dup (1014485-MSD1)			Source: SB14713-10		Prepared & Analyzed: 09-Jul-10					
Endrin aldehyde	14.0		µg/kg dry	4.72	29.5	BRL	48	30-150	2	30
alpha-Chlordane	18.1		µg/kg dry	2.95	29.5	BRL	61	30-150	10	30
gamma-Chlordane	48.3	QM7	µg/kg dry	2.95	29.5	BRL	164	30-150	23	30
Alachlor	23.3		µg/kg dry	2.95	29.5	BRL	79	30-150	15	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.74*		µg/kg dry		*11.8*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.85*		µg/kg dry		*11.8*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.4*		µg/kg dry		*11.8*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.5*		µg/kg dry		*11.8*		*114*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014378 - SW846 3510C										
Blank (1014378-BLK1)					Prepared & Analyzed: 08-Jul-10					
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	*0.0281*		mg/l		*0.0500*		*56*	*50-150*		
LCS (1014378-BS1)					Prepared & Analyzed: 08-Jul-10					
C9-C36 Aliphatic Hydrocarbons	0.9		mg/l	0.05	1.40		64	60-120		
Surrogate: 1-Chlorooctadecane	*0.0262*		mg/l		*0.0500*		*52*	*50-150*		
Batch 1014436 - SW846 3545A										
Blank (1014436-BLK1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
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	*2.55*		mg/kg wet		*3.33*		*76*	*50-150*		
LCS (1014436-BS1)					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
C9-C36 Aliphatic Hydrocarbons	64.9		mg/kg wet	13.3	93.3		70	60-120		
Surrogate: 1-Chlorooctadecane	*2.10*		mg/kg wet		*3.33*		*63*	*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 1014401 - SW846 3050B										
					Prepared & Analyzed: 08-Jul-10					
Blank (1014401-BLK1)										
Lead	BRL		mg/kg wet	1.47						
Cadmium	BRL		mg/kg wet	0.490						
Arsenic	BRL		mg/kg wet	1.47						
Chromium	BRL		mg/kg wet	0.981						
					Prepared & Analyzed: 08-Jul-10					
Reference (1014401-SRM1)										
Lead	69.0		mg/kg wet	1.50	73.6		94	81.3-118.8		
Cadmium	35.4		mg/kg wet	0.500	36.3		97	82.9-116.9		
Arsenic	68.2		mg/kg wet	1.50	70.5		97	82.6-117.4		
Chromium	52.7		mg/kg wet	1.00	53.6		98	80.3-119		
					Prepared & Analyzed: 08-Jul-10					
Reference (1014401-SRM2)										
Lead	69.2		mg/kg wet	1.50	73.1		95	81.3-118.8		
Cadmium	35.1		mg/kg wet	0.500	36.0		97	82.9-116.9		
Arsenic	67.0		mg/kg wet	1.50	70.0		96	82.6-117.4		
Chromium	51.5		mg/kg wet	1.00	53.3		97	80.3-119		
Batch 1014402 - EPA200/SW7000 Series										
					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Blank (1014402-BLK1)										
Mercury	BRL		mg/kg wet	0.0279						
					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Reference (1014402-SRM1)										
Mercury	7.00		mg/kg wet	0.600	6.36		110	71.5-128.1		
Batch 1014443 - SW846 3005A										
					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Blank (1014443-BLK1)										
Lead	BRL		mg/l	0.0075						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Arsenic	BRL		mg/l	0.0040						
					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
LCS (1014443-BS1)										
Lead	1.20		mg/l	0.0075	1.25		96	85-115		
Arsenic	1.18		mg/l	0.0040	1.25		95	85-115		
Cadmium	1.28		mg/l	0.0025	1.25		102	85-115		
Chromium	1.34		mg/l	0.0050	1.25		107	85-115		
					Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
LCS Dup (1014443-BSD1)										
Lead	1.19		mg/l	0.0075	1.25		95	85-115	1	20
Chromium	1.32		mg/l	0.0050	1.25		105	85-115	2	20
Arsenic	1.17		mg/l	0.0040	1.25		93	85-115	1	20
Cadmium	1.26		mg/l	0.0025	1.25		100	85-115	2	20
			Source: SB14713-17		Prepared: 08-Jul-10 Analyzed: 09-Jul-10					
Duplicate (1014443-DUP1)										
Lead	BRL		mg/l	0.0075		BRL				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Cadmium	BRL		mg/l	0.0025		BRL				20

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014444 - EPA200/SW7000 Series										
						Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
Blank (1014444-BLK1)										
Mercury	BRL		mg/l	0.00030						
						Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
LCS (1014444-BS1)										
Mercury	0.00462		mg/l	0.00030	0.00500		92	85-115		
			Source: SB14713-17			Prepared: 08-Jul-10 Analyzed: 09-Jul-10				
Duplicate (1014444-DUP1)										20
Mercury	BRL		mg/l	0.00030		0.00012				

Soluble 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 1015370 - SW846 3005A										
Blank (1015370-BLK1)					Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
LCS (1015370-BS1)					Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	1.21		mg/l	0.0075	1.25		97	85-115		
Arsenic	1.18		mg/l	0.0040	1.25		94	85-115		
LCS Dup (1015370-BSD1)					Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	1.21		mg/l	0.0075	1.25		97	85-115	0.2	20
Arsenic	1.18		mg/l	0.0040	1.25		95	85-115	0.6	20
Duplicate (1015370-DUP1)			Source: SB14713-15		Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	BRL		mg/l	0.0075		BRL				20
Arsenic	0.0030	J,QR8	mg/l	0.0040		0.0038			24	20
Matrix Spike (1015370-MS1)			Source: SB14713-16		Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	1.21		mg/l	0.0075	1.25	BRL	97	75-125		
Arsenic	1.23		mg/l	0.0040	1.25	0.0055	98	75-125		
Matrix Spike Dup (1015370-MSD1)			Source: SB14713-16		Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	1.22		mg/l	0.0075	1.25	BRL	98	75-125	0.8	20
Arsenic	1.24		mg/l	0.0040	1.25	0.0055	98	75-125	0.9	20
Post Spike (1015370-PS1)			Source: SB14713-16		Prepared: 20-Jul-10 Analyzed: 21-Jul-10					
Lead	1.22		mg/l	0.0075	1.25	BRL	97	80-120		
Arsenic	1.24		mg/l	0.0040	1.25	0.0055	99	80-120		

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 1014965 - SW846 3010A										
					Prepared: 15-Jul-10 Analyzed: 16-Jul-10					
Blank (1014965-BLK1)										
Lead	BRL		mg/l	0.0075						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
					Prepared: 15-Jul-10 Analyzed: 16-Jul-10					
LCS (1014965-BS1)										
Lead	1.34		mg/l	0.0075	1.25		107	85-115		
Chromium	1.35		mg/l	0.0050	1.25		108	85-115		
Cadmium	1.33		mg/l	0.0025	1.25		107	85-115		
					Prepared: 15-Jul-10 Analyzed: 16-Jul-10					
LCS Dup (1014965-BSD1)										
Lead	1.33		mg/l	0.0075	1.25		107	85-115	0.4	20
Cadmium	1.32		mg/l	0.0025	1.25		105	85-115	1	20
Chromium	1.34		mg/l	0.0050	1.25		107	85-115	0.8	20
Batch 1015078 - SW846 3010A										
					Prepared & Analyzed: 19-Jul-10					
Blank (1015078-BLK1)										
Lead	BRL		mg/l	0.0150						
Cadmium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0100						
					Prepared & Analyzed: 19-Jul-10					
LCS (1015078-BS1)										
Lead	2.68		mg/l	0.0150	2.50		107	85-115		
Chromium	2.69		mg/l	0.0100	2.50		108	85-115		
Cadmium	2.71		mg/l	0.0050	2.50		109	85-115		
					Prepared & Analyzed: 19-Jul-10					
LCS Dup (1015078-BSD1)										
Lead	2.60		mg/l	0.0150	2.50		104	85-115	3	20
Cadmium	2.65		mg/l	0.0050	2.50		106	85-115	2	20
Chromium	2.69		mg/l	0.0100	2.50		108	85-115	0.1	20
			Source: SB14713-01			Prepared & Analyzed: 19-Jul-10				
Matrix Spike (1015078-MS1)										
Lead	2.65		mg/l	0.0150	2.50	BRL	106	75-125		
Chromium	2.79		mg/l	0.0100	2.50	0.0096	111	75-125		
			Source: SB14713-01			Prepared & Analyzed: 19-Jul-10				
Matrix Spike Dup (1015078-MSD1)										
Lead	2.64		mg/l	0.0150	2.50	BRL	105	75-125	0.5	20
Chromium	2.76		mg/l	0.0100	2.50	0.0096	110	75-125	1	20
			Source: SB14713-01			Prepared & Analyzed: 19-Jul-10				
Post Spike (1015078-PS1)										
Lead	2.72		mg/l	0.0150	2.50	BRL	109	75-125		
Chromium	3.00		mg/l	0.0100	2.50	0.0096	120	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1014319 - General Preparation										
Duplicate (1014319-DUP1)			Source: SB14713-07			Prepared & Analyzed: 07-Jul-10				
% Solids	81.0		%			83.8			3	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S006143			
Performance Mix (S006143-PEM1)			
4,4'-DDT (p,p')	1	4.1	15.0
Endrin	1	1.7	15.0
4,4'-DDT (p,p')	2	6.3	15.0
Endrin	2	3.2	15.0
Performance Mix (S006143-PEM2)			
4,4'-DDT (p,p')	1	5.6	15.0
Endrin	1	2.5	15.0
4,4'-DDT (p,p')	2	9.8	15.0
Endrin	2	3.7	15.0
Batch S006196			
Performance Mix (S006196-PEM1)			
4,4'-DDT (p,p')	1	0.7	15.0
Endrin	1	1.0	15.0
4,4'-DDT (p,p')	2	1.2	15.0
Endrin	2	1.8	15.0
Performance Mix (S006196-PEM2)			
4,4'-DDT (p,p')	1	0.1	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	1.7	15.0
Endrin	2	4.8	15.0
Batch S006235			
Performance Mix (S006235-PEM1)			
4,4'-DDT (p,p')	1	0.1	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	1.7	15.0
Endrin	2	4.8	15.0
Performance Mix (S006235-PEM2)			
4,4'-DDT (p,p')	1	2.4	15.0
Endrin	1	1.5	15.0
4,4'-DDT (p,p')	2	5.7	15.0
Endrin	2	2.4	15.0

Notes and Definitions

DC1	The analyte result for the confirmation column was outside of the acceptance limits. The result from the primary column was used. The analyte was not detected in the associated samples.
HDS	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
PH	Insufficient preservative to reduce the sample pH to less than 2.
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.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
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.
R01	The Reporting Limit has been raised to account for matrix interference.
R04	The Reporting Limits for this analysis are elevated due to sample foaming.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
N	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.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Kimberly Wisk
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Logical Environmental Solutions

Project Location: Flatbush Wetland Mitigation - Hartford, CT

Project Number: 171-305

Sampling Date(s):
7/2/2010

Laboratory Sample ID(s):
SB14713-01 through SB14713-17

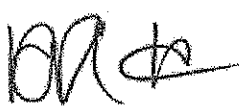
RCP Methods Used:

+CT ETPH
EPA 200.7/3005A/6010
EPA 245.1/7470A
SW846 1312
SW846 1312/6010B
SW846 6010B
SW846 7471A
SW846 8081A
SW846 8082
SW846 8260B/C
SW846 8270C/D

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)?	Yes No
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
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: 7/22/2010

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Fe...TPH15021610\CCV0216.D Vial: 53
Signal(s) : FID1A.CH
Acq On : 17 Feb 2010 7:45 am Operator: SHM
Sample : CCV0216 Inst : HP G1530A
Misc : 100ppb Aliphatic ICV Multiplr: 1.00
Integration File: events.e
Quant Time: Feb 17 12:23:46 2010
Quant Results File: T150216J.RES

Quant Method : C:\msdchem\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Wed Feb 17 11:21:49 2010
Response via : Initial Calibration
DataAcq Meth:T150212I.M

Volume Inj. :
Signal Phase :
Signal Info :

-07
-08

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.432	-2.3	100	0.00
8 T	C9-Nonae	100.000	111.365	-11.4	108	0.05
9 T	C10-Decane	100.000	110.589	-10.6	107	0.05
10 T	C12-Dodecane	100.000	108.263	-8.3	105	0.05
11 T M	C14-Tetradecane	100.000	105.394	-5.4	102	0.05
12 T	C16-Hexadecane	100.000	103.205	-3.2	100	0.05
13 T	C18-Octadecane	100.000	101.095	-1.1	98	0.05
14 T	C19-Nonadecane	100.000	100.162	-0.2	97	0.05
16 S	COD-1ChloroOctadec	-1.000	50.740	0.0	0	0.05
17 T M	C20-Eicosane	100.000	98.934	1.1	96	0.05
18 T	C22-Docosane	100.000	97.460	2.5	94	0.05
19 T	C24-Tetracosane	100.000	96.129	3.9	93	0.05
20 T	C26-Hecxacosane	100.000	96.146	3.9	93	0.05
21 T M	C28-Octacosane	100.000	96.382	3.6	94	0.05
22 T	C30-Triacontane	100.000	95.411	4.6	92	0.05
23 T	C36-Hexatriacontane	100.000	81.910	18.1	73	0.15

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.33#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Ju...PH15070910\CC150709.D Vial: 4
Signal(s) : FID1A.CH
Acq On : 09 Jul 2010 5:05 pm
Sample : CC150709
Misc : 100ppb Aliphatic CCV
Integration File: events.e
Quant Time: Jul 12 09:08:43 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Fri Jul 02 09:00:07 2010
Response via : Initial Calibration
DataAcq Meth:T150216J.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.300	7.1	91	0.00
8 T	C9-Nonae	100.000	94.561	5.4	91	0.00
9 T	C10-Decane	100.000	93.758	6.2	91	0.00
10 T	C12-Dodecane	100.000	91.404	8.6	88	0.00
11 T M	C14-Tetradecane	100.000	89.411	10.6	87	0.00
12 T	C16-Hexadecane	100.000	87.885	12.1	85	0.00
13 T	C18-Octadecane	100.000	86.335	13.7	83	0.00
14 T	C19-Nonadecane	100.000	84.956	15.0	82	0.00
16 S	COD-1ChloroOctadec	-1.000	44.614	0.0	0	0.00
17 T M	C20-Eicosane	100.000	83.477	16.5	81	0.00
18 T	C22-Docosane	100.000	80.773	19.2	78	0.00
19 T	C24-Tetracosane	100.000	80.539	19.5	78	0.00
20 T	C26-Hecxacosane	100.000	80.287	19.7	78	0.00
21 T M	C28-Octacosane	100.000	80.779	19.2	79	0.00
22 T	C30-Triacontane	100.000	81.522	18.5	79	0.01
23 T	C36-Hexatriacontane	100.000	80.342	19.7	72	0.00

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.20#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Fe...TPH15021610\CCV0216.D Vial: 53
Signal(s) : FID1A.CH
Acq On : 17 Feb 2010 7:45 am
Sample : CCV0216
Misc : 100ppb Aliphatic ICV
Integration File: events.e
Quant Time: Feb 17 12:23:46 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\msdchem\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Wed Feb 17 11:21:49 2010
Response via : Initial Calibration
DataAcq Meth:T150212I.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.432	-2.3	100	0.00
8 T	C9-Nonae	100.000	111.365	-11.4	108	0.05
9 T	C10-Decane	100.000	110.589	-10.6	107	0.05
10 T	C12-Dodecane	100.000	108.263	-8.3	105	0.05
11 T M	C14-Tetradecane	100.000	105.394	-5.4	102	0.05
12 T	C16-Hexadecane	100.000	103.205	-3.2	100	0.05
13 T	C18-Octadecane	100.000	101.095	-1.1	98	0.05
14 T	C19-Nonadecane	100.000	100.162	-0.2	97	0.05
16 S	COD-1ChloroOctadec	-1.000	50.740	0.0	0	0.05
17 T M	C20-Eicosane	100.000	98.934	1.1	96	0.05
18 T	C22-Docosane	100.000	97.460	2.5	94	0.05
19 T	C24-Tetracosane	100.000	96.129	3.9	93	0.05
20 T	C26-Hecxacosane	100.000	96.146	3.9	93	0.05
21 T M	C28-Octacosane	100.000	96.382	3.6	94	0.05
22 T	C30-Triacontane	100.000	95.411	4.6	92	0.05
23 T	C36-Hexatriacontane	100.000	81.910	18.1	73	0.15

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.33#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Ju...PH15070910\MC150709.D Vial: 27
Signal(s) : FID1A.CH
Acq On : 10 Jul 2010 2:12 am
Sample : MC150709
Misc : 100ppb Aliphatic CCV
Integration File: events.e
Quant Time: Jul 12 09:09:24 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Fri Jul 02 09:00:07 2010
Response via : Initial Calibration
DataAcq Meth:T150216J.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.282	8.4	90	0.00
8 T	C9-Nonae	100.000	93.954	6.0	91	0.00
9 T	C10-Decane	100.000	93.203	6.8	90	0.00
10 T	C12-Dodecane	100.000	90.758	9.2	88	0.00
11 T M	C14-Tetradecane	100.000	89.113	10.9	86	0.00
12 T	C16-Hexadecane	100.000	88.051	11.9	85	0.00
13 T	C18-Octadecane	100.000	86.386	13.6	84	0.00
14 T	C19-Nonadecane	100.000	85.015	15.0	82	0.00
16 S	COD-1ChloroOctadec	-1.000	44.861	0.0	0	0.00
17 T M	C20-Eicosane	100.000	83.648	16.4	81	0.00
18 T	C22-Docosane	100.000	81.081	18.9	79	0.00
19 T	C24-Tetracosane	100.000	81.476	18.5	79	0.00
20 T	C26-Hecxacosane	100.000	84.179	15.8	82	-0.01
21 T M	C28-Octacosane	100.000	80.695	19.3	78	-0.02
22 T	C30-Triacontane	100.000	87.902	12.1	85	-0.03
23 T	C36-Hexatriacontane	100.000	81.874	18.1	73	-0.06

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.20#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Ju...TPH15070910\MC20709.D Vial: 53
Signal(s) : FID1A.CH
Acq On : 10 Jul 2010 12:30 pm
Sample : MC20709
Misc : 100ppb Aliphatic CCV
Integration File: events.e
Quant Time: Jul 12 08:09:10 2010
Quant Results File: T150216J.RES

Operator: SHM
Inst : HP G1530A
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\T150216J.M
Quant Title : TPH8100 CT-ETPH ME-DRO ALIPHATICS METHOD
QLast Update : Fri Jul 02 09:00:07 2010
Response via : Initial Calibration
DataAcq Meth:T150216J.M

Volume Inj. :
Signal Phase :
Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2	TPH C9-C36 Aliphatics	1.400	1.304	6.9	91	0.00
8 T	C9-Nonae	100.000	95.967	4.0	93	0.00
9 T	C10-Decane	100.000	95.178	4.8	92	0.00
10 T	C12-Dodecane	100.000	92.942	7.1	90	0.00
11 T M	C14-Tetradecane	100.000	91.104	8.9	88	0.00
12 T	C16-Hexadecane	100.000	90.109	9.9	87	0.00
13 T	C18-Octadecane	100.000	88.560	11.4	86	0.00
14 T	C19-Nonadecane	100.000	87.465	12.5	85	0.00
16 S	COD-1ChloroOctadec	-1.000	46.410	0.0	0	0.00
17 T M	C20-Eicosane	100.000	86.201	13.8	83	0.00
18 T	C22-Docosane	100.000	84.006	16.0	81	0.00
19 T	C24-Tetracosane	100.000	82.396	17.6	80	0.00
20 T	C26-Hecxacosane	100.000	81.048	19.0	79	-0.01
21 T M	C28-Octacosane	100.000	80.673	19.3	78	-0.02
22 T	C30-Triacontane	100.000	80.131	19.9	78	-0.03
23 T	C36-Hexatriacontane	100.000	81.596	18.4	73	-0.05

Evaluate Continuing Calibration Report - Not Founds

1	TPH Gasoline	10.000	-0.287	102.9#	0	-1.50#
3	TPH DRO (ME) C10-C28	10.000	-0.137	101.4#	0	-3.20#
4	TPH #2 Fuel	10.000	-0.189	101.9#	0	-1.50#
5	TPH #6 Fuel	10.000	-0.238	102.4#	0	-1.50#
6	TPH Motor Oil/Other	10.000	-0.525	105.3#	0	-5.50#
7	ALPHATICS COMPOUNDS	-1.000	0.000	0.0	0	0.00
15 S	OTP	-1.000	0.719	0.0	0	-7.20#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SB 14713 @

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ± 7/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 DAY ±

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 8608701780
Project Mgr. Michelle Malone

Invoice To: CTDOT - DAS Contract
c/o LES
Attn: C. Knight
RUSH ORDER # 7575
P.O. No.: RQN:

Project No.: 171-305
Site Name: Flatbush Wetland Mitigation - Busway
Location: Hartford State: CT
Sampler(s): C. Knight

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=H_2O 10= 11=

List preservative code below: soil 7/9

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: CTDEP GA PMC, RDEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Arsenic, Lead, Cd, Chromium (6010)	Total Mercury (7470/7471)	VOCs - 8260	PAHs - 8270	Pesticides + PCBs 8081/8082	CT ETPH
14713-01	FSB-1 1'-3'	7-2-10	5:18am	C	SO	3	1			X	X	X	X	X	X
02	FSB-1 1'-3' DUP	↓	5:23am	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓
03	FSB-2 2'-4'		6:18am												
04	FSB-2 4'-8'		6:22am												
05	FSB-3 2'-4'		6:45am												
06	FSB-3 4'-8'		6:50am												
07	FSB-4 2'-4'		7:12am												
08	FSB-4 4'-8'		7:22am												
09	FSB-7 2'-4'		7:45am												
10	FSB-9 1'-3'		9:20am												

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	7/2/10	16:30	1.9
[signature]	[signature]	7/2/10	18:26	3.3

☒ EDD Format PDF
☒ E-mail to ck@logicalenvironmental.com

☐ Airbase ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

14713

SPECTRUM ANALYTICAL, INC.
Formerly
HANSEN TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 Day TAT

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 860 870 1780
Project Mgr. Michelle Malone - DTC

Invoice To: CTDOT - DAS Contract
c/o LES
C. Knight
Rush order # 7575
P.O. No.: RQN:

Project No.: 171-305
Site Name: Flatbush Wetland Mitigation - Busway
Location: Hartford State: CT
Sampler(s): C. Knight

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=H_2O 10= 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= DI Water 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	VOCs - 8260	PAHs - 8270 Polynuclear Aromatics Low Level	CT ETPH Total Aromatic Hydrocarbons (8015)	Lead (6010)	Total Metals (6010)	
14713-11	FSB-10 1-3'	7-2-10	9:50 am	C	SO	3	1			X	X	X	X	X	X
-12	FSB-11 1-3'		10:10 am												
-13	FSB-13 1-3'		10:00 am												
-14	FSB-15 1-3'		8:55 am												
	[illegible]		[illegible]												
-15	FSB-1 GW		5:55 am	G	GW	3	4		2	X	X	X	X	X	X
-16	FSB-7 GW		9:35 am				4								
	[illegible]		[illegible]												
	[illegible]		[illegible]												
-17	FB-1		10:00 am		X1		4		1						

500 ml HNO3 marked "Filtered" for possible future analysis of dissolved metals

Relinquished by:	Received by:	Date:	Time:	Temp °C
		7-2-10	11:30	1.3
		7-2-10	1820	3.3

☐ EDD Format
☐ E-mail to

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp °C ☐ Freezer temp °C

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: CTDEP GA PMC, RDEC

SB 14713

SPECTRUM ANALYTICAL, INC.
Engineering
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: ± 7/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 DAY ±

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 860 870 1780
Project Mgr. Michelle Malone

Invoice To: CTDOT - DAS Contract
c/o LES
Attn: C. Knight
RUSH ORDER # 7575
P.O. No.: RQN:

Project No.: 171-305
Site Name: Flatbush Wetland Mitigation - Busway
Location: Hartford State: CT
Sampler(s): C. Knight

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH soil
8=$NaHSO_4$ 9=H_2O 10= 11=

List preservative code below: 7/9

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: CTDEP GA PMC, RDEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Arsenic, Lead Cd, Chromium (6010)	Total Mercury (7470/7471)	VOCs - 8260	MAHs - 8270	Pesticides + PCBs 8081/8082	CT ETPH	SPLP Cr+	SPLP Cd
14713-01	FSB-1 1'-3'	7-2-10	5:18am	C	SO	3	1			X	X	X	X	X	X	X	
-02	FSB-1 1'-3' DUP		5:23am													X	
-03	FSB-2 2'-4'		6:18am													X	X
-04	FSB-2 4'-8'		6:22am													X	X
-05	FSB-3 2'-4'		6:45am													X	X
-06	FSB-3 4'-8'		6:50am													X	X
-07	FSB-4 2'-4'		7:12am													X	X
-08	FSB-4 4'-8'		7:22am													X	X
-09	FSB-7 2'-4'		7:45am													X	
-10	FSB-9 1'-3'		9:20am													X	X

ADDED ANALYSIS
per client req
7/14/10

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	7/2/10	11:30	1.3
[signature]		7/2/10	19:26	3.3

☒ EDD Format PDF
☒ E-mail to ck@logicalenvironmental.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

14713

CHAIN OF CUSTODY RECORD

Page 2 of 2

SPECTRUM ANALYTICAL, INC.
Featuring
HANSEN TECHNOLOGY

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/12
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 Day TAT ?

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084
Telephone #: 860 870 1980
Project Mgr.: Michelle Malone - DTS

Invoice To: CTDOT - DAS Contract
c/o LES
C. Knight
Rush Order # 7575
P.O. No.: RQN:

Project No.: 171-305 Bus way
Site Name: Flatbush Wetland Mitigation
Location: Hartford State: CT
Sampler(s): C. Knight

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=H_2O 10= 11=

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

List preservative codes below:

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: CTDEP GA Pmc, RDEC

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:	Analyses: VOCs-8260	PAHs-8270 Reduced Target List 12/2012	CT ETPH Lead Total Chromium Cd, Cr (Leach)	Total Mercury (Leach)	pH, Cl, F, SO4		
14713-11	FSB-10 1-3'	7-2-10	9:50 am	C	SO	3	1				X	X	X	X	X	X	X
12	FSB-11 1-3'		10:10 am													X	X
13	FSB-13 1-3'		10:00 am													X	X
14	FSB-15 1-3'		9:55 am													X	X
	[illegible]		[illegible]														
			5:55 am	G	GW	3	4		2		X	X	X	X	X	X	X
15	FSB-1 GW		9:35 am				4										
16	FSB-7 GW		[illegible]														
	[illegible]		[illegible]														
			10:00 am			X1	4		1								
17	FB-1																

500ml HNO3 marked "Filtered" for possible future analysis of dissolved metals

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	7-2-10	11:30	1.3
[signature]		7-2-10	1820	3.3

☐ EDD Format
☐ E-mail to
ADDED per client request 7/6/10 ANALYSIS

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Probe Temp °C ☐ Correct Temp °C

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