TASK 210 Subsurface Site Investigation

New Britain to Hartford Busway
Proposed Union Station

Spruce Street
Hartford, Connecticut

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

January 2011

ON-CALL ENVIRONMENTAL SERVICES
ConnDOT Project No. 171-305
Assignment No. 304-4042
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

PROPOSED UNION STATION

SPRUCE STREET

HARTFORD, CONNECTICUT

Ethan Stewart
Sr. Environmental Scientist

Michelle Malone
ConnDOT Project Manager

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

TABLE OF CONTENTS

1.0 INTRODUCTION 1

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

2.0 LOCAL ENVIRONMENT AND RECEPTORS 3

2.1 SURFICIAL GEOLOGY 3
2.2 BEDROCK GEOLOGY 3
2.3 GROUNDWATER 3
2.4 SURFACE WATER 3
2.5 DRINKING WATER SUPPLY 3

3.0 FIELD INVESTIGATION AND SAMPLING METHODS 3

3.1 SOIL BORING ADVANCEMENT AND SAMPLING 4
3.2 GROUNDWATER SAMPLE COLLECTION 4

4.0 REGULATORY CRITERIA 6

4.1 SOIL CRITERIA 6
4.2 GROUNDWATER CRITERIA 6

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA 7

5.1 SOIL SAMPLE ANALYTICAL RESULTS 7
5.2 GROUNDWATER SAMPLE ANALYTICAL RESULTS 8
5.3 QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC) RESULTS 9

6.0 CONCLUSIONS AND RECOMMENDATIONS 10

6.1 CONCLUSIONS 10
6.2 RECOMMENDATIONS 11

7.0 LIMITATIONS 12

8.0 REFERENCES 13

FIGURES

Figure 1 Site Location Map
Figure 2 Soil Boring and Monitoring Well Locations
Figure 3 Preliminary Soil Areas of Environmental Concern
Figure 4 Preliminary Groundwater Area of Environmental Concern

TABLES

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

APPENDICES

Appendix A Soil Boring, Groundwater Sampling, and Monitoring Well Construction Logs
Appendix B Soil & Groundwater Analytical Laboratory Reports

1.0 INTRODUCTION

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) at the site of the proposed Union Station for the New Britain to Hartford Busway Project. ConnDOT is proposing to construct a bus station on a portion of the property at the corner of Spruce Street and Church Street in Hartford, Connecticut (see Figure 1). The Spruce Street property is owned by the State of Connecticut and is occupied by only a paved parking lot. The Task 210 SSI was limited to the areas that will be impacted by construction activities associated with the proposed busway station.

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 property investigated comprised of pavement.

The SSI included the advancement of six soil borings in order to collect soil and groundwater samples, analysis of thirteen soil samples and two groundwater samples, and analysis of a field blank water sample and trip 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 identify the presence and location of subsurface contamination prior to the proposed construction activities.

1.2 Previous Environmental Reports

No previous reports were available for the site.

1.3 Scope of Work

This Task 210 SSI was completed in accordance with DTC's Task 210 Work Plan, dated November 29, 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 truck-mounted Geoprobe® direct push drill-rig;
- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of 13 soil samples for one or more of the following:
    - Volatile organic compounds (VOCs) by EPA Method 8260;
    - Extractable total petroleum hydrocarbons (ETPH) by the Connecticut DEP method;
    - Polychlorinated biphenyls (PCBs) by EPA Method 8082;
    - Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270;
    - Chlorinated pesticides by EPA Method 8081;
    - Total metals (arsenic, cadmium, chromium, mercury, and lead); and
    - Leachable lead by the Synthetic Precipitation Leaching Procedure (SPLP).

- Collection and laboratory analysis of three groundwater samples for one or more of the following: VOCs by EPA Method 624, total petroleum hydrocarbons (TPH) by EPA Method 1664, PAHs by EPA Method 625, pesticides by EPA Method 608, PCBs by EPA 608, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc) by EPA Method 200.7.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the CTDEP's "Environmental GIS Data for Connecticut" (updated to August 12, 2010), the surficial deposits underlying the site consist of fines.

Based on soil samples observed during the soil boring advancement activities, surficial materials at the site consist of fill comprised of brick, wood, concrete, and asphalt underlain by sand and some 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 arkose brownstone. No bedrock outcrops were observed at the site.

2.3 Groundwater

The CTDEP's "Environmental GIS Data for Connecticut" (updated to August 12, 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, and land use impacts.

Based on the site's location (the Park River is located approximately 1,000 feet to the south), groundwater likely flows in an easterly/southeasterly 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 10 feet below grade.

2.4 Surface Water

The Park River lies approximately 1,000 feet south of the site. According to the CT DEP Water Quality Classifications, the Park River is classified as a class "C/B" surface water body. The class C/B designation indicates that, due to point or non-point sources of pollution, the Park River may not be meeting certain criteria which support designated uses assigned to Class B surface waters. The CT DEP's water quality goal is achievement of Class B criteria and attainment of Class B designated uses, which include: habitat for fish and other aquatic life and wildlife; recreation; navigation; and industrial and agricultural water supply.

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 six soil borings and the collection and laboratory analysis of 13 soil samples and two groundwater samples.

DTC subcontracted Logical Environmental Solutions, LLC (LES) of Tolland, Connecticut to advance the soil borings using a truck-mounted Geoprobe® direct push drill rig. The subsurface exploration investigation was completed on December 6, 2010.

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

Soil samples were analyzed for the following parameters: VOCs, ETPH, PCBs, PAHs, chlorinated pesticides, total metals (arsenic cadmium, chromium, mercury, and lead), and leachable metals (arsenic and lead) and pesticides by SPLP. The groundwater samples were analyzed for VOCs, TPH, PAHs, PCBs, pesticides, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc). Tables 2 and 3 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

Six soil borings, identified as B-1 through B-6, were completed within the proposed construction limits of the Union Station utilizing a truck-mounted Geoprobe® rig to a depth of 16 feet below grade. Continuous soil samples were obtained using a four-foot macro core sampling device with dedicated PVC sample liners. 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 and field 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.

Two to three soil samples per boring, plus one duplicate soil sample from B-3, 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 Sample Collection

Two groundwater samples, identified as B-3/GW and B-6/GW, were collected from permanately installed monitoring wells. The wells were completed to depths of 16 and 12 feet below grade using 1-inch diameter PVC slotted screen, 1-inch diameter PVC riser pipe to the ground surface, and were finished with flush-mount road boxes, cemented in place. A sand pack was installed surrounding the screened section of the wells, which extended approximately two feet above the top of the well screen. An approximately one foot thick bentonite clay seal was installed above the sand pack to limit potential vertical migration of surface water down the borehole. The borehole was then backfilled with drill cuttings from the borehole to approximately one foot from grade using soil from the borehole.

The wells were sampled at a later date using a peristaltic pump and dedicated tubing. The peristaltic pump was set at a low flow rate. Groundwater parameters including pH, dissolved oxygen, oxygen reduction potential (ORP), specific conductance, and temperature were measured periodically in the field using a YSI 556 meter equipped with a flow through cell. Turbidity was

measured in the field using a LaMotte 2020e turbidity meter. These parameters were recorded on the Groundwater Sampling Logs, which are included in Appendix A.

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 CT DEP Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria, dated October 24, 2005.

The RSRs were developed by the CT 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 CT 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. The following sections provide a brief summary of the soil and groundwater criteria utilized during this Task 210 SSI.

DTC compared the soil analytical results to criteria that are applicable to residential and industrial/commercial usage, 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 CT DEP 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 both the Residential and Industrial/Commercial 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 CT 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 Handling

Groundwater Remediation Wastewater Discharge Directly to Surface Water Permit Limits

The CT DEP has developed maximum concentrations for certain contaminants that can be discharged to a surface water body under the CT 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 2, along with the regulatory criteria. The soil analytical laboratory reports are included in Appendix B. The soil analytical results are discussed below.

ETPH

13 soil samples were analyzed for petroleum hydrocarbons utilizing the ETPH method. Six samples contained petroleum hydrocarbons at concentrations above the detection limits, but below the Residential DEC of 500 parts per million (ppm); B-1 (4-6') sample (17.1 ppm), B-2 (8-10') sample (112 ppm), B-5 (1-3') sample (273 ppm), B-5 (4-6') sample (28.3 ppm), B-6 (0.4-2') sample (423 ppm), and B-6 (4-5') sample (347 ppm).

Volatile Organic Compounds (VOCs)

13 soil samples were analyzed for VOCs. One sample B-6 (0.4-2') contained detectable acetone (0.0492 ppm) at a concentration well below any applicable RSR criteria. Acetone is a common lab contaminant. None of the other soil samples contained detectable concentrations of VOC compounds.

PAHs

13 soil samples were analyzed for PAHs. Varying concentrations of PAHs were detected in three of the 13 soil samples within the project area. The B-5 (1-3') sample contained the PAHs benzo(a)anthracene (4.62 ppm), benzo(a)pyrene (4.04 ppm), benzo(b)fluoranthene (4.82 ppm), benzo(k)fluoranthene (3.45 ppm), chrysene (3.95 ppm), and indeno(1,2,3-cd)pyrene (1.68 ppm) at concentrations that exceed one or more of their respective RSR criteria. The B-5 (4-6') sample contained two PAH compounds (fluoranthene and pyrene) below the Residential DEC, Industrial/Commercial DEC, and GB PMC. The B-6 (4-5') sample contained the PAHs benzo(a)anthracene (2.11 ppm) and benzo(b)fluoranthene (2.18 ppm) at concentrations that exceed their respective Residential DEC and GB PMC. Other PAH compounds were detected in samples B-5 (1-3') and B-6 (4-5'), at concentrations below any applicable RSR criteria.

PCBs

12 soil samples were analyzed for PCBs. None of the soil samples contained detectable concentrations of PCBs.

Chlorinated Pesticides

Seven soil samples were analyzed for chlorinated pesticides. The B-5 (1-3') sample contained chlordane (0.081 ppm) above the GB PMC. The sample also contained 4,4-DDT (0.0186 ppm), alpha-chlordane (0.0117 ppm), and gamma-chlordane (0.0123 ppm) above the detection limits, but below the applicable RSR criteria. No other sample contained concentrations above the detection limits.

Based upon the results of chlorinated pesticides, sample B-5 (1-3') was also analyzed for leachable chlorinated pesticides by SPLP. SPLP pesticides were not detected above the detection limits.

Chlordane was not detected above the minimum detection limit of 0.006 ppb, indicating compliance with the GB PMC.

Metals

13 soil samples were analyzed for total arsenic, cadmium, chromium, mercury, and lead. None of the soil samples contained detectable concentrations that exceed the applicable RSR criteria.

Based upon the results of the total metals analyses, soil sample B-6 (4-5'), was also analyzed for leachable lead. The B-6 (4-5') sample contained leachable lead (0.0154 ppm) below the GB PMC of 0.15 ppm.

5.2 Groundwater Sample Analytical Results

Two groundwater samples denoted as B-3/GW and B-6/GW were submitted for laboratory analysis for one or more of the following; VOCs, TPH, PAHs, PCBs, pesticides, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc). Groundwater analytical results are summarized in Table 3, along with the surface water discharge limits. The groundwater laboratory analytical report is included as Appendix B. The groundwater analytical results are summarized below.

TPH

None of the groundwater samples contained detectable concentrations of TPH.

Volatile Organic Compounds (VOCs)

The B-3/GW and Duplicate-2 (B-6/GW) samples contained concentrations of toluene (5 ppb and 5.4 ppb). The total VOCs for both samples are below the surface water discharge limit.

PAHs

The B-3/GW, B-6/GW, and Duplicate-2 (B-6/GW) samples contained concentrations of various PAHs with total PAH concentrations of 92.56 ppb, 133.65 ppb, and 133.9 ppb, respectively. The total PAHs are above the discharge permit limit of 5 ppb.

PCBs

None of the groundwater samples contained detectable concentrations of PCBs.

Pesticides

None of the groundwater samples contained detectable concentrations of pesticides.

Total Metals

The B-6/GW sample contained arsenic (4.5 ppb) above the discharge permit limit of 0.021 ppb. No other metals were detected above the permit limit.

Dissolved Metals

The B-3/GW, B-6/GW, and Duplicate-2 (B-6/GW) samples contained concentrations of one or more dissolved metals above the detection limit but below the discharge permit limit.

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

Soil

As part of the QA/QC protocol, DTC submitted a duplicate soil sample Duplicate-1 [B-3 (0.9-3')] for laboratory analyses. The results of the B-3 (0.9-3') and Duplicate-1 [B-3 (0.9-3')] 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 are reliable. Please refer to the analytical report for a detailed narrative discussion of the reliability of the data.

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

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

Groundwater

As part of the QA/QC protocol, DTC submitted a duplicate groundwater sample Duplicate-2 [B-6/GW)] for laboratory analyses. The results of the B-6/GW and Duplicate-2 (B-6/GW) samples were comparable and within acceptable QA/QC ranges.

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

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

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 and use the soil and groundwater analytical data to evaluate current conditions at the site, and to identify the presence and location of subsurface contamination prior to the proposed construction activities.

The Task 210 SSI activities completed by DTC on December 6 and 10, 2010 included the completion of six soil borings, and collection and laboratory analysis of 13 soil and two groundwater samples. The Task 210 provided information for areas of proposed drainage structures and other construction activities associated with the proposed Union Station.

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

Based on the findings of this Task 210 SSI, DTC indentified one (1) Area of Environmental Concern (AOEC) where contaminants are present in the soil at concentrations that exceed the DEP RSR criteria. In addition, DTC identified two (2) Low-Level Areas of Environmental Concern (LLAOEC), where contaminants were detected at concentrations below applicable RSR criteria, but above laboratory detection limits. A groundwater AOEC was also identified due to the groundwater being impacted with contaminants at concentrations that would require special handling before discharge to surface water during the construction phase of the project.

The following summarizes the locations of the AOECs and LLAOECs within the project area.

Soil Area of Environmental Concern

AOEC #1: Borings B-5 and B-6

The analytical results from the soil samples collected from boring B-5 and B-6 indicate the presence of PAHs, ETPH, and pesticides at slightly elevated concentrations in soil ranging from 1 to 5 feet below grade. The concentrations of PAHs detected exceed the GB PMC, Residential DEC, and Industrial/Commercial DEC.

Low Level Area of Environmental Concern

LL AOEC "A": Boring B-2

The analytical results from the above location indicate the presence of ETPH at a concentration that does not exceed any applicable RSR criteria, but is above typical background concentrations. The contamination was detected in soil ranging from 8 to 10 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "B": Boring B-4

The analytical results from the above location indicates the presence of lead at a concentration that does not exceed any applicable RSR criteria, but is above typical background concentrations. The contamination was detected in soil ranging from 4 to 5 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

Groundwater Area of Environmental Concern

GWAOEC: Borings B-3 and B-6

The analytical results from the above locations indicate the presence of PAHs and arsenic at concentrations exceeding the maximum concentration limits in the CT DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water. Due to the arsenic and PAHs, groundwater encountered during excavation activities will require special handling. Based upon this, this area has been designated as a Groundwater Area of Environmental Concern.

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 identified areas where contamination is present. Based upon the results of this investigation, DTC recommends that a Task 310 Plans and Specifications be prepared to address the construction activities within the Areas of Environmental Concern and Low Level Areas 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.

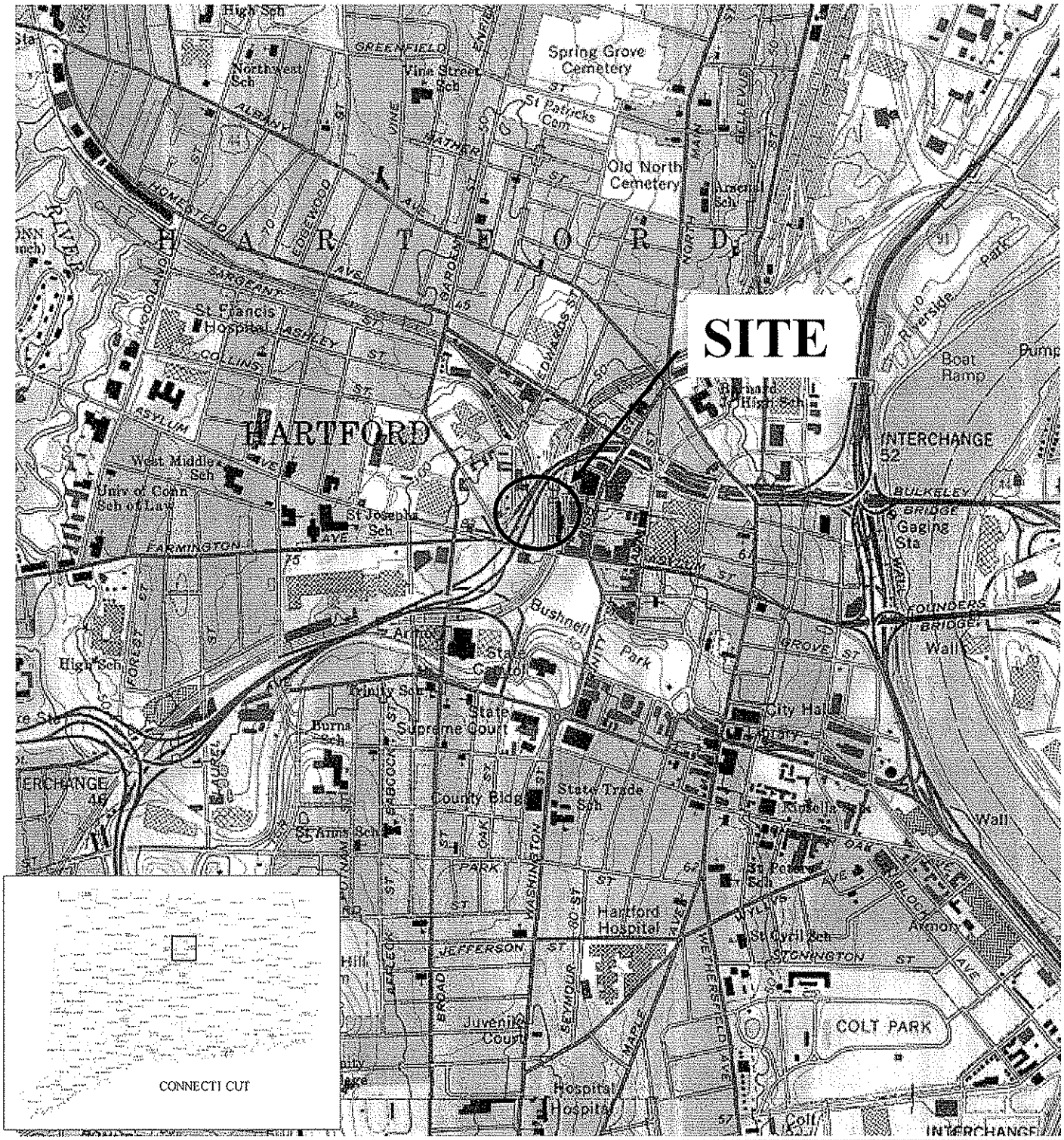
In completing this Task 210 SSI, DTC has relied upon information provided by subcontractors (i.e. laboratories and drilling contractors). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness of the information provided.

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 (CT DEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, effective January 30, 1996.
2. CT DEP, "Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria", dated October 24, 2005.
3. CT DEP, "Regulated Criteria Summary Table", CTDEP website, October 11, 2007.
4. CT DEP, "Environmental GIS Data", updated August 12, 2010.
5. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2010.
6. Rogers, J. "Connecticut Bedrock and Natural History Survey", Connecticut Geological and Natural History Survey, Department of the Interior United States Geological Survey, 1985.
7. State of Connecticut Department of Environmental Protection (CT DEP), "General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water", Expiration Date March 29, 2015.

FIGURES



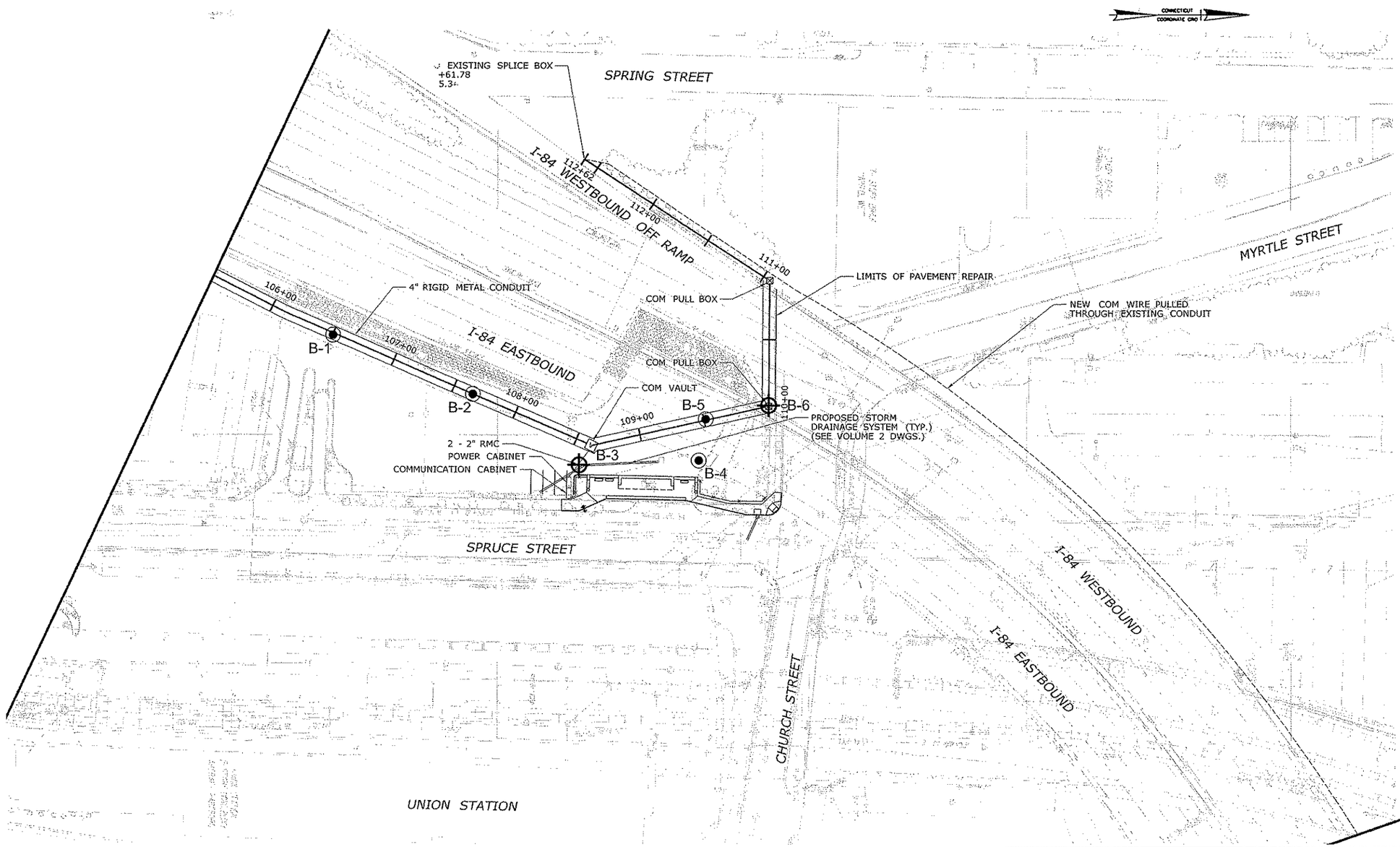
ConnDOT PROJECT No. 171-305
NEW BRITAIN TO HARTFORD BUSWAY
PROPOSED UNIONSTATION
HARTFORD, CONNECTICUT

DTC Project No: 09-188-02E
January 2011

Hartford North Quadrangle No.37
1:24,000

Figure 1

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



LEGEND

- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

1. THE BASE MAP FOR THIS SITE PLAN WAS PROVIDED TO DTC BY CONNDOT

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\Contract 4\FIG-02.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 11/18/10
CHECKED BY: ES

dtc

DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 Whitney Avenue - Suite 301 - Hamden, CT 06518
203 239 4200 203 234 7376 FAX

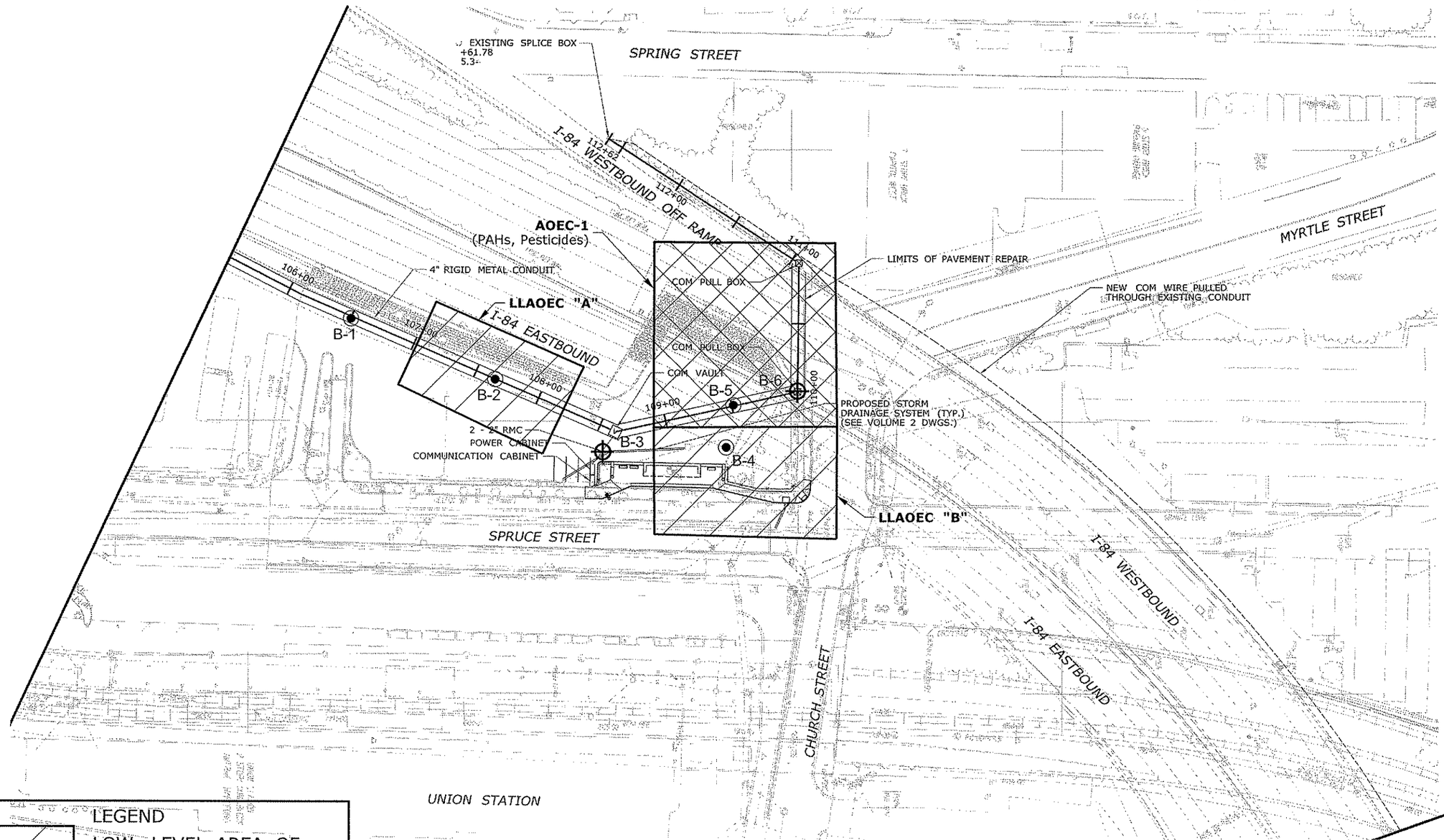
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

PROPOSED UNION STATION

NEW BRITAIN - HARTFORD BUSWAY
HARTFORD, CT

FIGURE 2

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 4\FIG-02.dgn



LEGEND

- LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC)
- AREA OF ENVIRONMENTAL CONCERN (AOEC)
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

1. THE BASE MAP FOR THIS SITE PLAN WAS PROVIDED TO DTC BY CONNDOT

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\Contract 4\FIG-03.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 1/14/11
CHECKED BY: ES

dtc

DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 Whitney Avenue - Suite 301 - Hamden, CT 06518
203 230 4200 203 234 7376 FAX

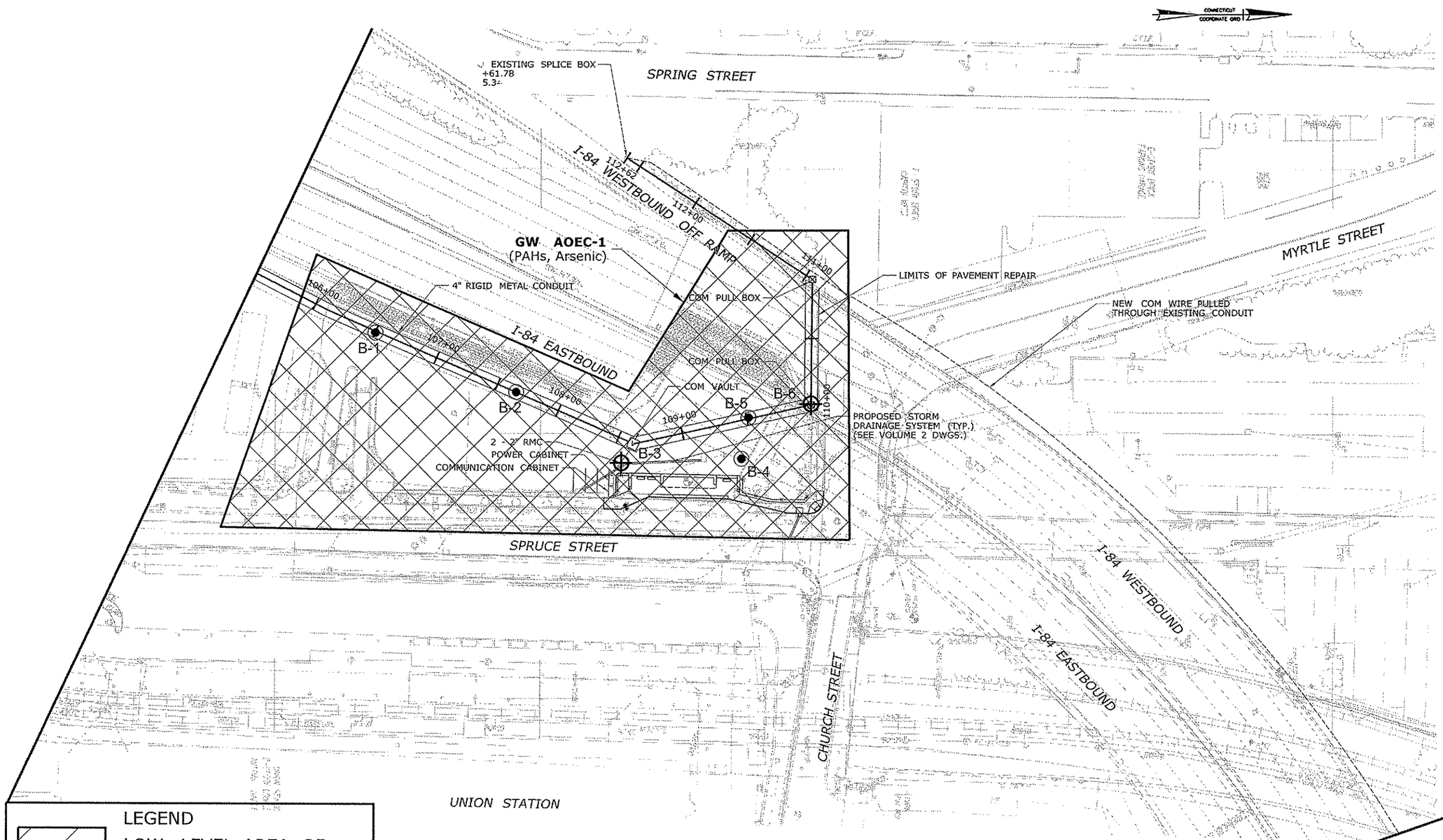
TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

PROPOSED UNION STATION

NEW BRITAIN - HARTFORD BUSWAY
HARTFORD, CT

FIGURE 3

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 4\FIG-03.dgn



LEGEND

LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC)

AREA OF ENVIRONMENTAL CONCERN (AOEC)

DTC SOIL BORING

DTC MONITORING WELL

NOTES:

1. THE BASE MAP FOR THIS SITE PLAN WAS PROVIDED TO DTC BY CONNDOT

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\Contract 4\FIG-04.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 1/14/11
CHECKED BY: ES

DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 Whitney Avenue - Suite 301 - Hamden, CT 06518
203 239 4200 203 234 7376 FAX

TASK 210
PRELIMINARY GROUNDWATER AREA OF CONCERN

PROPOSED UNION STATION

NEW BRITAIN - HARTFORD BUSWAY
HARTFORD, CT

FIGURE 4

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 4\FIG-04.dgn

TABLES

TABLE 1

Soil and Groundwater Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

New Britain to Hartford Busway – Proposed Union Station

Hartford, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260) Soil (624) GW	PAHs (8270) Soil (625) GW	ETPH or TPH 1664	Metals RCRA 5 (Soil) RCRA 8 (GW)	PCBs (8082) Soil (608) GW	Pesticides (8081) Soil (608) GW
B-1	0.6-2.5	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
B-2	0.6-2	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
	8-10		X	X	X	X		
B-3**	0.9-3	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
	GW		X	X	X	X	X	X
B-4	1-2.5	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X
	4-5		X	X	X	X	X	
B-5	1-3	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X*
	4-6		X	X	X	X	X	X
B-6**	0.4-2	Soil, within Limits of proposed Union Station construction activities	X	X	X	X	X	X
	4-5		X	X	X	X*	X	
	GW		X	X	X	X	X	X

Notes:

* Sample also analyzed by SPLP.

**Groundwater sample location.

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation
New Britain to Hartford Busway - Proposed Union Station
Hartford, Connecticut

Parameters	Remediation Standard Regulations RES DEC	I/C DEC	GB PMC	B-1 0.6-2.5' 12/6/10	B-1 4-6' 12/6/10	B-2 0.6-2' 12/6/10	B-2 4-6' 12/6/10	B-2 8-10' 12/6/10	B-3 0.9-3' 12/6/10	Duplicate-1 B-3 (0.9-3") 12/6/10	B-3 4-6' 12/6/10	B-4 1-2.5' 12/6/10	B-4 4-5' 12/6/10	B-5 1-3' 12/6/10	B-5 4-6' 12/6/10	B-6 0.4-2' 12/6/10	B-6 4-5' 12/6/10	Trip Blank 12/6/10
VOCs per EPA 8260 (mg/kg)																		
Acetone	500	1,000	140	--	--	--	--	--	--	--	--	--	--	--	--	0.0492	--	--
PAHs per EPA 8270 (mg/kg)																		*NA*
Anthracene	1,000	2,500	400	--	--	--	--	--	--	--	--	--	--	0.715	--	--	--	
Benzo (a) anthracene	1	7.8	1	--	--	--	--	--	--	--	--	--	--	**4.62**	--	--	**2.11**	
Benzo (a) pyrene	1	1	1	--	--	--	--	--	--	--	--	--	--	**4.04**	--	--	--	
Benzo (b) fluoranthene	1	7.8	1	--	--	--	--	--	--	--	--	--	--	**4.82**	--	--	**2.18**	
Benzo (g,h,i) perylene	1,000	2,500	42	--	--	--	--	--	--	--	--	--	--	1.31	--	--	--	
Benzo (k) fluoranthene	8.4	78	1	--	--	--	--	--	--	--	--	--	--	**3.45**	--	--	--	
Chrysene	84	780	1	--	--	--	--	--	--	--	--	--	--	**3.95**	--	--	--	
Fluoranthene	1,000	2,500	56	--	--	--	--	--	--	--	--	--	--	8.24	0.457	--	3.89	
Indeno (1,2,3-cd) pyrene	1	7.8	1	--	--	--	--	--	--	--	--	--	--	**1.68**	--	--	--	
Phenanthrene	1,000	2,500	40	--	--	--	--	--	--	--	--	--	--	3.47	--	--	2.11	
Pyrene	1,000	2,500	40	--	--	--	--	--	--	--	--	--	--	6.62	0.513	--	3.74	
ETPH per CTDEP method (mg/kg)	500	2,500	2,500	--	17.1	--	--	112	--	--	--	--	--	273	28.3	423	347	*NA*
Total RCRA Metals per EPA 6010 & 7471 (mg/kg)																		*NA*
Arsenic	10	10	NE	1.57	3.43	4.02	4.27	3.33	3.21	3.9	3.55	1.83	3.58	2.53	3.06	--	3.53	
Cadmium	34	1,000	NE	--	1.01	1.21	1.35	1.03	0.916	1.03	1.08	--	0.677	--	0.858	--	0.791	
Total Chromium	100	100	NE	11.9	33.5	38.3	40.5	31.1	27.3	38.6	34.7	11.2	20.5	13.6	25.7	12.4	27.8	
Mercury	20	610	NE	--	--	--	--	--	--	--	--	--	0.307	0.0936	0.0467	--	0.267	
Lead	500	1,000	NE	5.68	18.3	19.3	20.4	29.6	14.1	18.4	16.8	5.95	88.4	51.2	32.9	31.7	117	
SPLP Metals per EPA 6010 (mg/l)				*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*		*NA*	*NA*	*NA*		*NA*
Lead	*NE*	*NE*	0.15										--				0.0154	
PCBs per EPA 8082 (mg/kg)	1	10	*NE*	--	--	--	--	*NA*	--	--	--	--	--	--	--	--	--	*NA*
Chlorinated Pesticides per EPA 8081 (mg/kg)					*NA*		*NA*	*NA*			*NA*		*NA*			--	*NA*	*NA*
Chlordane	0.49	2.2	0.066	--		--			--	--		--		**0.081**	--	--		
4,4' - DDT	1.8	17	NE	--		--			--	--		--		0.0186	--	--		
alpha-Chlordane	NE	NE	NE	--		--			--	--		--		0.0117	--	--		
gamma-Chlordane	NE	NE	NE	--		--			--	--		--		0.0123	--	--		
SPLP Chlorinated Pesticides per EPA 8081 (ug/l)				*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*		*NA*	*NA*	*NA*	*NA*
Chlordane	NE	NE	0.3											--				

Notes:
RES DEC = Residential Direct Exposure Criteria.
I/C DEC = Industrial/Commercial Direct Exposure Criteria.
GB PMC = GB Pollutant Mobility Criteria.
VOCs = Volatile Organic Compounds.
PAHs = Polynuclear Aromatic Hydrocarbons
ETPH = Extractable Total Petroleum Hydrocarbons.
SPLP = Synthetic Precipitation Leaching Procedure.
PCBs = Polychlorinated Biphenyls.
mg/kg = milligrams per kilogram.
mg/l = micrograms per liter.
-- = not detected, see laboratory reports for specific detection limits.
NA = not applicable / not analyzed for this compound.
NE = Criteria not established.
Shaded values indicate an exceedance of the RES DEC.
Bold values indicate an exceedance of the GB PMC.

TABLE 3

Groundwater Sample Analytical Results

Task 210 - Subsurface Site Investigation
New Britain to Hartford Busway - Union Station
Hartford, Connecticut

Parameters	SW Discharge MCL	B-3/GW 12/10/10	B-6/GW 12/10/10	Duplicate-2 (B-6/GW) 12/10/10	Field Blank 12/10/10	Trip Blank 12/10/10
Total VOCs per EPA 624 (ug/l)						
Toluene	NE	5	--	5.4	--	--
Total VOCs	50	5	--	5.4	--	--
Total PAHs per EPA 625 (ug/l)					*NA*	*NA*
Acenaphthene	NE	12.2	18.2	18.1		
Fluorene	NE	7.82	11.6	11.6		
1-Methylnaphthalene	NE	5.18	7.73	7.41		
2-Methylnaphthalene	NE	6.66	9.62	9.59		
Naphthalene	NE	48	66.7	67.5		
Phenanthrene	NE	12.7	19.8	19.7		
Total PAHs	5	92.56	133.65	133.9		
TPH per EPA 1664 (mg/l)	5	--	--	--	--	*NA*
Total Metals per EPA 200.7 (ug/l)						*NA*
Arsenic	0.021	--	4.5	--	--	
Barium	NE	56.2	68.3	70.8	--	
Cadmium	10	--	--	--	--	
Chromium	342	--	--	--	--	
Copper	48	--	--	--	--	
Mercury	1	--	--	--	--	
Lead	9.8	--	--	--	--	
Zinc	322	20.2	20	31.9	28.2	
Dissolved Metals per EPA 200.7 (ug/l)					*NA*	*NA*
Arsenic	0.021	--	--	--		
Barium	NE	117	111	108		
Cadmium	10	--	--	--		
Chromium	342	--	--	--		
Copper	48	--	--	--		
Mercury	1	--	--	--		
Lead	9.8	--	--	--		
Zinc	322	23.1	18	14.8		
Total PCBs per EPA 608 (ug/l)	0.1	--	--	--	*NA*	*NA*
Total Pesticides per EPA 608 (ug/l)	Various	--	--	--	*NA*	*NA*

Notes:
SW Discharge MCL = maximum concentration limits listed in the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated February 9, 2005.
VOCs = Volatile Organic Compounds.
PAHs = Polynuclear Aromatic Hydrocarbons
TPH = Total Petroleum Hydrocarbons.
PCBs = Polychlorinated Biphenyls.
ug/l = micrograms per liter.
mg/l = milligrams per liter.
-- = not detected, see laboratory reports for specific detection limits (Detection Limit < Criteria).
NA = not analyzed for this parameter.
NE = no criteria established.
Bold and shaded values indicate an exceedance of the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water MCLs.

APPENDIX A

Soil Boring / Groundwater Sampling / Monitoring Well Construction Logs

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/3/10
Date Completed: 12/3/10

BORING No. B-1

Project: New Britain to Hartford Busway - Union Staion
Location: Hartford, CT

Method of investigation: Geoprobe

Project No.: 09-188-02E
P. Manager: Ethan Stewart
Drilling Co.: Logical Env. Solutions
Geologist: J. Andrew
Driller: Wayne
D. Helper: Cindy
Drill Rig: Geoprobe
Weather: 40's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt, subbase		
		0.5-1.8			31	Red-brown M SAND with silt, dense		
	1	1.8-2.7				Brown to red-brown M SAND and SILT, damp	0.1	
4-8	2	4-5.3				Red-brown M-F SAND and SILT, trace clay	0.2	
	3	5.3-8			48	Brown clayey SILT	0.2	
8-12	4	8-10				Brown to red-brown silty CLAY	0.0	
	5	10-11			36	Brown to red-brown silty CLAY, damp	0.0	
12-16	6	12-14				Brown to red-brown silty CLAY, damp	0.0	Groundwater not observed
	7	14-16			48	Brown silty CLAY, damp	0.0	
						END OF BORING @ 16'		

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

Comments:

DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 12/3/10 Date Completed: 12/3/10	BORING No. B-2
	Project: New Britain to Hartford Busway - Union Staion Location: Hartford, CT			Method of investigation: Geoprobe

Project No.: 09-188-02E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: 40's
P. Manager: Ethan Stewart	Geologist: J. Andrew	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.5				Asphalt, subbase		
		0.5-0.9				Brown C-M SAND and GRAVEL		
		0.9-1.2			24	Red M SAND with gravel, asphalt, concrete, FILL		
	1	1.2-2				Brown to red-brown M SAND with silt, staining @ 1.9'	3.9	
4-8	2	4-6				Brown to red-brown clayey SILT	1.2	
	3	6-8			48	Brown to red-brown silty CLAY, damp	0.1	
8-12	4	8-10				Brown to red-brown silty CLAY, damp, staining @ 9.5'	0.3	
	5	10-11			36	Brown silty CLAY, damp	0.0	
12-16	6	12-14				Brown silty CLAY, damp	0.0	Groundwater @ 13.5'
	7	14-16			48	Brown silty CLAY, wet	0.1	
						END OF BORING @ 16'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/3/10
Date Completed: 12/3/10

BORING No. B-3

Project: New Britain to Hartford Busway - Union Staion
Location: Hartford, CT

Method of investigation: Geoprobe

Project No.: 09-188-02E
P. Manager: Ethan Stewart
Drilling Co.: Logical Env. Solutions
Geologist: J. Andrew
Driller: Wayne
D. Helper: Cindy
Drill Rig: Geoprobe
Weather: 40's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-4"			36	Asphalt, subbase		
		4"-9"				Brick, concrete		
	1	9"-3				Brown M-F SAND with silt	0.1	
4-8	2	4-5.7			48	Brown C-M SAND and GRAVEL, asphalt, brick, FILL	0.1	
	3	5.7-8				Brown to red-brown clayey SILT	0.2	
8-12	4	8-10.5			30	Brown to red-brown silty CLAY, damp @ 9'	0.0	Groundwater @ 11'
12-16	5	12-14			24	Brown to red-brown clayey SILT, wet	0.0	
						END OF BORING @ 16'		

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

Comments:
Well installed at a depth of 16'. 10' of screen, screw cap and a road-box cemented in place. (see attached well diagram)

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 12/3/10 ***Date Completed:*** 12/3/10	**BORING No. B-4**
	Project: New Britain to Hartford Busway - Union Staion ***Location:*** Hartford, CT			***Method of investigation:*** Geoprobe

Project No.: 09-188-02E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:***	***Weather:***
P. Manager: Ethan Stewart	***Geologist:*** J. Andrew	***D. Helper:*** Cindy	Geoprobe	40's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Sample Blows per 6"	Sample "N"	Sample Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-10"			30	Asphalt, subbase		
	1	10"-2.2				Brown C-M SAND and GRAVEL, with asphalt, brick, concrete, FILL	2.7	
		2.2-2.5				Brick		
4-8		4-5			12	Brown C-M SAND with brick, asphalt, concrete, FILL (refusal @ 5.2')	0.1	Groundwater not observed
						END OF BORING @ 5.2'		

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

Comments:

DIVERSIFIED TECHNOLOGY CONSULTANTS	Subsurface Log	Sheet 1 of 1	Date started: 12/3/10 Date Completed: 12/3/10	BORING No. B-5
	Project: New Britain to Hartford Busway - Union Staion Location: Hartford, CT			Method of investigation: Geoprobe

Project No.: 09-188-02E	Drilling Co.: Logical Env. Solutions	Driller: Wayne	Drill Rig: Geoprobe	Weather: 40's
P. Manager: Ethan Stewart	Geologist: J. Andrew	D. Helper: Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-1.1				Asphalt, subbase		
	1	1.1-2.9			36	Brown C-M SAND, with gravel, FILL	1.9	
		2.9-3				Brick		
4-8	2	4-5.9				Brown to red-brown M-F SAND and SILT, little clay	0.1	
	3	5.9-8			48	Brown clayey SILT	0.0	
8-12	4	8-10			24	Brown to red-brown silty CLAY, damp	0.0	
12-16	5	12-14			24	Brown to red-brown silty CLAY, wet	0.0	Groundwater @ 12'
						END OF BORING @ 14'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER — DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 12/3/10 ***Date Completed:*** 12/3/10	**BORING No. B-6**
	Project: New Britain to Hartford Busway - Union Staion ***Location:*** Hartford, CT			***Method of investigation:*** Geoprobe

Project No.: 09-188-02E	***Drilling Co.:*** Logical Env. Solutions	***Driller:*** Wayne	***Drill Rig:*** Geoprobe	***Weather:*** 40's
P. Manager: Ethan Stewart	***Geologist:*** J. Andrew	***D. Helper:*** Cindy		

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-4"				Asphalt, subbase		
	1	4"-1.9			24	Brown F-M SAND, little gravel, trace silt	0.0	
		1.9-2				Brown F-M SAND and SILT, damp		
4-8	2	4-4.4				Brown F-M SAND, little silt	0.2	
		4.4-4.9			12	Asphalt		
		4.9-5				Brown M-F SAND with silt, damp		Groundwater @ 6'
8-12					0	No recovery		
						END OF BORING @ 12'		

Sample Types:

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

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

Well installed at a depth of 12'. 10' of screen, screw cap and a road-box cemented in place. (see attached well diagram)

GROUNDWATER SAMPLING LOG

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER

WELL / SAMPLE NO.: B-3/GW
Sampling Sequence: 2

DATE: 12/ 10 /2010
Weather Conditions: 20°

SITE NAME: New Britain to Hartford Busway
ADDRESS: Union Station – Hartford, CT

PROJECT NO.: 09-188-02E
SAMPLING TEAM: JA

WELL LOCATION:

WELL CONDITION

Protective Casing: Intact / Damaged *Locked:* Yes / No
Well # Visible: Yes / No *Well Cap:* Okay / Damaged
Water Between Steel & PVC: Yes / No *Ponding Around Well:* Yes / No
Lock Condition: Okay / Damaged *PVC Riser Condition:* Okay / Damaged
Concrete Base: Intact / Damaged *Well Diameter:* 2" 4" 6" 8"
Well Material: PVC / Steel / Other_____

ELEVATION DATA

(Total Depth: 13.3 ft) – (Depth to Water: 6.7 ft) = (Height:_____ ft)
(Height:_____ ft) X (Well Dia Ftr:_____ gal/ft) = (Well Volume:_____ gal)
(Well Volume:_____ gal) X (1 2 3) =_____ gallons to be purged

Well Diameter Factors: (gallons/ft)			
	1.5" = 0.1	2" = 0.16	4" = 0.6
	5.75" = 1.35	6" = 1.47	8" = 2.6

Pre-purge Water Column Observations: *Floating Product:* Yes / No
Odor: Yes / No *Product Thickness:* _____

Comments:

SAMPLE DATA

Sample Method:	CT Low-Flow		
Pump Type:	Peristaltic Pump	Sample Depth:	
Controller:		Field Filtered:	No
Compressor:		Filter Method:	NA
Controller Setting:		LNAPLs (ft):	
Flow Rate:		DNAPLs (ft):	
Draw Down (ft):		Total Purge Vol.	

BOTTLES / ANALYTICAL PARAMETERS:

Container:	*Quantity*	*Preserv*	*Parameters:*
VOA Vile	2	HCL	VOCs
1 L Amber	4	NONE	TPH/PCBs/ PEST/PAHs
500 ml Plastic	1	HNO3	Total Metals
500 ml Plastic	1	NONE	Dissolved Metals

GROUNDWATER MONITORING

Time	*Volume*	*Temp.*	*pH*	*Specific Conductance*	*Turbidity*	*Dissolved Oxygen*	*ORP*	
1425	Initial	14.53	7.99	1.266	49.7	6.59	147.0	
1432	1st	14.55	7.48	1.380	31.6	2.57	152.9	
1440	2nd	14.98	7.39	1.345	19.4	2.38	155.5	
1445	3rd	14.93	7.41	1.402	12.3	2.39	157.4	
1450	4th	14.99	7.40	1.397	6.12	2.41	156.8	
1455	5th	14.98	7.40	1.394	4.97	2.39	154.3	
	6th							
	7th							
	8th							

ADDITIONAL COMMENTS:

Sample Time: 1455

ld Parameter tolerances	3%	±0.1	3%	±10% or ≤ 5 NTU	10%	≈ 10 mV

GROUNDWATER SAMPLING LOG

ENGINEERED SOLUTIONS — LAND RESOURCES WATER

WELL / SAMPLE NO.: B-6/GW
Sampling Sequence: 1

DATE: 12/10 /2010
Weather Conditions: ZOD

SITE NAME: New Britain to Hartford Busway
ADDRESS: Union Station – Hartford, CT

PROJECT NO.: 09-188-02E
SAMPLING TEAM: JA

WELL LOCATION:

WELL CONDITION

Protective Casing: Intact / Damaged *Locked:* Yes / No
Well # Visible: Yes / No *Well Cap:* Okay / Damaged
Water Between Steel & PVC: Yes / No *Ponding Around Well:* Yes / No
Lock Condition: Okay / Damaged *PVC Riser Condition:* Okay / Damaged
Concrete Base: Intact / Damaged *Well Diameter:* 2" 4" 6" 8"
Well Material: PVC / Steel / Other_____

ELEVATION DATA

(Total Depth: 10.92 ft) – (Depth to Water: 5.45 ft) = (Height:_____ ft)
(Height:_____ ft) X (Well Dia Ftr:_____ gal/ft) = (Well Volume:_____ gal)
(Well Volume:_____ gal) X (1 2 3) =_____ gallons to be purged

Well Diameter Factors: (gallons/ft)			
	1.5" = 0.1	2" = 0.16	4" = 0.6
	5.75" = 1.35	6" = 1.47	8" = 2.6

Pre-purge Water Column Observations: Floating Product: Yes / No
Odor: Yes / No *Product Thickness:* _____

Comments:
Duplicate - 2 taken

SAMPLE DATA

Sample Method:	CT Low-Flow		
Pump Type:	Peristaltic Pump	Sample Depth:	
Controller:		Field Filtered:	No
Compressor:		Filter Method:	NA
Controller Setting:		LNAPLs (ft):	Solid 9.2 - 10.92
Flow Rate:		DNAPLs (ft):	
Draw Down (ft):		Total Purge Vol.	

BOTTLES / ANALYTICAL PARAMETERS:

Container:	Quantity	Preserv	Parameters:
VOA Vile	2	HCL	VOCs
1 L Amber	4	NONE	TPH/PCBs/ PEST/PAHs
500 ml Plastic	1	HNO3	Total Metals
500 ml Plastic	1	NONE	Dissolved Metals

GROUNDWATER MONITORING

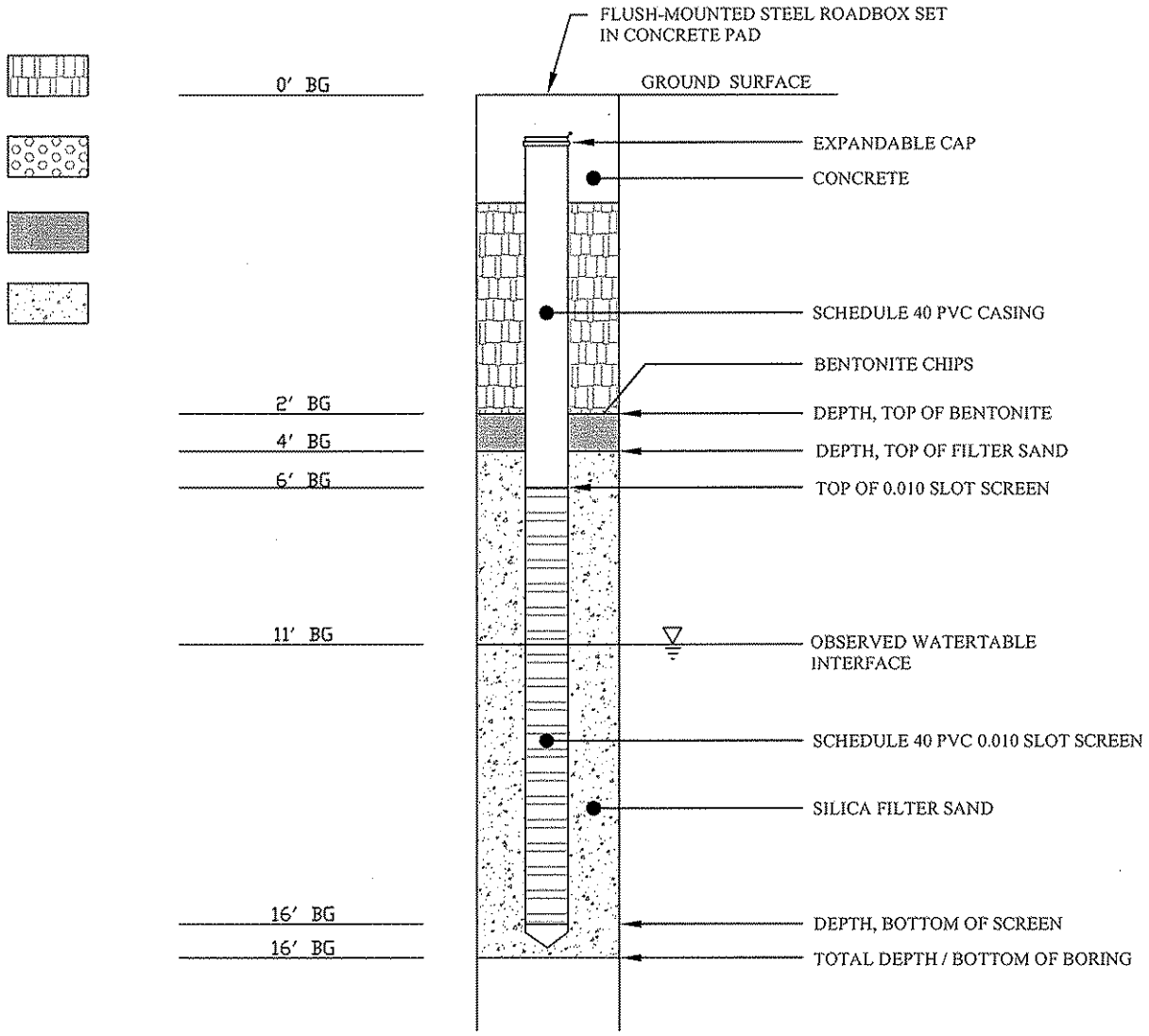
Time	Volume	Temp.	pH	Specific Conductance	Turbidity	Dissolved Oxygen	ORP	
1245	Initial	10.92	11.68	3.014	164.8	9.59	86.2	
1255	1st	11.42	11.58	3.126	22.9	0.56	70.4	
1305	2nd	12.04	11.48	3.210	9.6	0.49	63.6	
1310	3rd	12.39	11.48	3.257	7.42	0.39	59.9	
1315	4th	12.47	11.47	3.273	5.03	0.37	60.9	
1320	5th	12.49	11.47	3.279	3.97	0.40	57.0	
	6th							
	7th							
	8th							

ADDITIONAL COMMENTS:

Sample Time: 1320

Id Parameter tolerances	3%	±0.1	3%	±10% or ≤ 5 NTU	10%	≈ 10 mV

MONITORING WELL COMPLETION DIAGRAM	SHEET: 1 OF 1	DATE COMPLETED: 12-3-10	WELL I.D.: B-3
	DRILLING COMPANY: LOGICAL ENV. SOLUTIONS INC.	DRILLER: WAYNE HELPER: CINDY	DRILL RIG: GEOPROBE
	DTC GEOLOGIST: JMA	PROJECT MANAGER: ES	METHOD OF INVESTIGATION: GEOPROBE
BACKFILL WELL KEY: NATIVE BACKFILL, GROUT, BENTONITE, FILTER SAND			WEATHER: 40's



NOT TO SCALE

CONSTRUCTION NOTES:

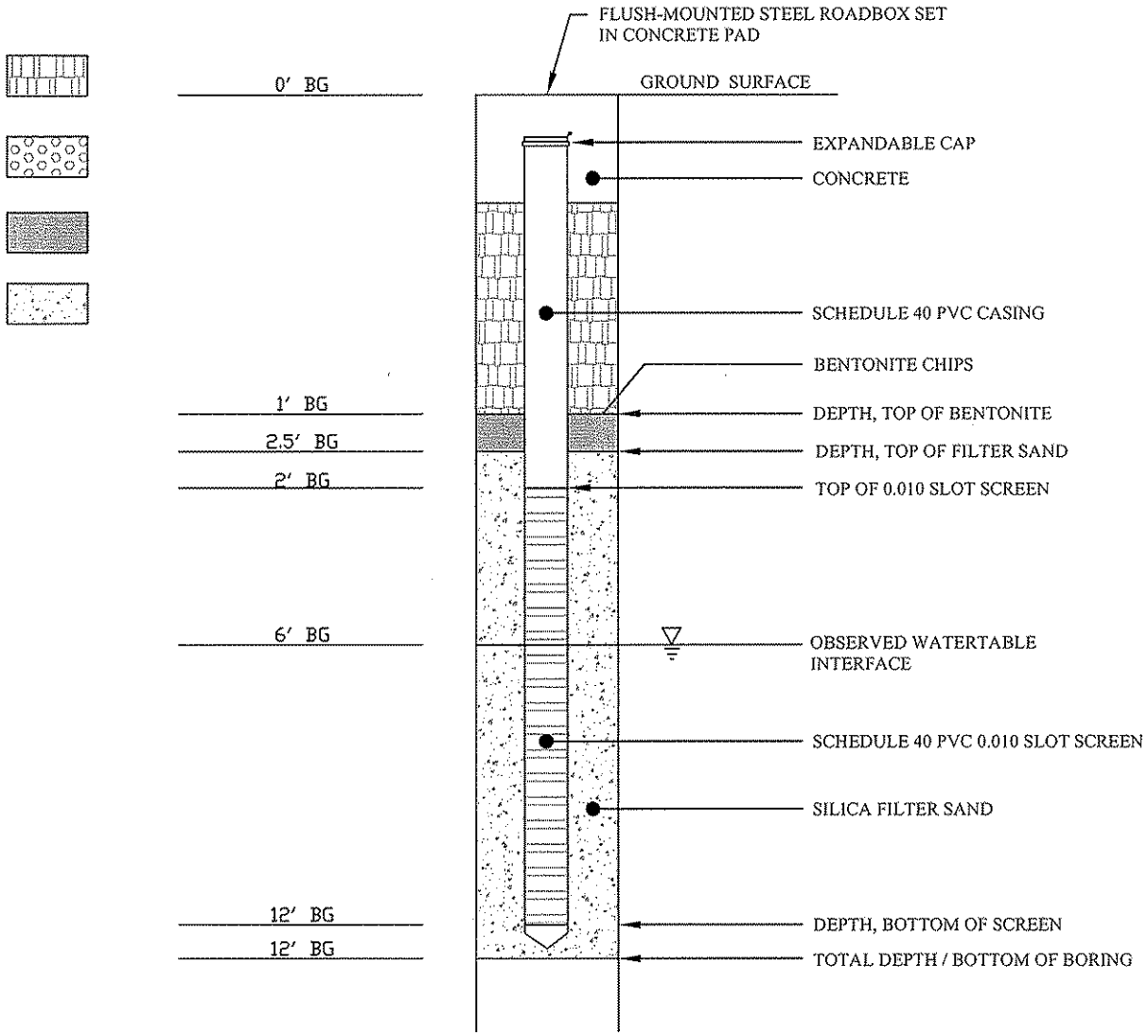
1-INCH DIAMETER WELL, 10' OF SCREEN, FINISHED WITH ROADBOX

New Britain to Hartford Busway
Union Station
Hartford, Connecticut

DRAWN BY: JA
DATE: 12-27-10

DTC No.: 09-188-02E
DWG. FILE: B-3.dwg

MONITORING WELL COMPLETION DIAGRAM	SHEET: 1 OF 1	DATE COMPLETED: 12-3-10	WELL I.D.: B-6
	DRILLING COMPANY: LOGICAL ENV. SOLUTIONS INC.	DRILLER: WAYNE HELPER: CINDY	DRILL RIG: GEOPROBE
	DTC GEOLOGIST: JMA	PROJECT MANAGER: ES	METHOD OF INVESTIGATION: GEOPROBE
BACKFILL WELL KEY: NATIVE BACKFILL, GROUT, BENTONITE, FILTER SAND			WEATHER: 40's



NOT TO SCALE

CONSTRUCTION NOTES:

1-INCH DIAMETER WELL, 10' OF SCREEN, FINISHED WITH ROADBOX

New Britain to Hartford Busway
Union Station
Hartford, Connecticut

DRAWN BY: JA
DATE: 12-27-10

DTC No.: 09-188-02E
DWG. FILE: B-6.DWG

APPENDIX B

Soil & Groundwater Analytical Laboratory Report S

APPENDIX B

Soil & Groundwater Analytical Laboratory Report

Report Date:
28-Dec-10 14:58

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Diversified Technology Consultants
2321 Whitney Ave., Hamden Center II
Hamden, CT 06518
Attn: Ethan Stewart

Project: NBHB - Union Station-Hartford, CT
Project #: 09-188-02E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB22018-01	B-1 0.6-2.5'	Soil	03-Dec-10 09:45	06-Dec-10 16:30
SB22018-02	B-1 4-6'	Soil	03-Dec-10 09:55	06-Dec-10 16:30
SB22018-04	B-2 0.6-2'	Soil	03-Dec-10 10:30	06-Dec-10 16:30
SB22018-05	B-2 4-6'	Soil	03-Dec-10 10:35	06-Dec-10 16:30
SB22018-07	B-2 8-10'	Soil	03-Dec-10 10:45	06-Dec-10 16:30
SB22018-09	B-3 0.9-3'	Soil	03-Dec-10 11:20	06-Dec-10 16:30
SB22018-10	B-3 4-6'	Soil	03-Dec-10 11:25	06-Dec-10 16:30
SB22018-12	B-4 1-2.5'	Soil	03-Dec-10 12:15	06-Dec-10 16:30
SB22018-13	B-4 4-5'	Soil	03-Dec-10 12:20	06-Dec-10 16:30
SB22018-14	B-5 1-3'	Soil	03-Dec-10 13:05	06-Dec-10 16:30
SB22018-15	B-5 4-6'	Soil	03-Dec-10 13:10	06-Dec-10 16:30
SB22018-17	B-6 0.4-2'	Soil	03-Dec-10 13:40	06-Dec-10 16:30
SB22018-18	B-6 4-5'	Soil	03-Dec-10 13:45	06-Dec-10 16:30
SB22018-19	Duplicate-1	Soil	03-Dec-10 00:00	06-Dec-10 16:30
SB22018-20	Trip Blank	Aqueous	03-Dec-10 00:00	06-Dec-10 16:30

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

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 117 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).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.1 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.4 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 12/6/2010 at 16:30.

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. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

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.

SW846 1312 SPLP Case Narrative:

The following samples did not contain enough sample to analyze for SPLP at the required weight of 100 grams. The sample was prepared at a ratio of 1:20 with the remaining contents of the sample container.

SB22018-13: the final weight used for this sample was 33 grams.
SB22018-14: the final weight used for this sample was 36 grams.
SB22018-18: the final weight used for this sample was 50 grams.

Please provide sufficient sample to meet the required weight of the method when a SPLP extraction may be requested.

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

+CT ETPH

+CT ETPH

Samples:

SB22018-07 *B-2 8-10'*

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

SB22018-14 *B-5 1-3'*

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

SB22018-17 *B-6 0.4-2'*

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

SB22018-18 *B-6 4-5'*

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

SW846 1312

Samples:

SB22018-14 *B-5 1-3'*

This sample was received outside the EPA recommended holding time for the analysis specified.

SPLP Extraction

SW846 1312/6010C

Duplicates:

1026676-DUP1 *Source: SB22018-18*

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.

Lead

SW846 6010C

Spikes:

1025616-MS1 *Source: SB22018-18*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Lead

1025616-MSD1 *Source: SB22018-18*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Lead

Duplicates:

1025616-DUP1 *Source: SB22018-17*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Lead

SW846 8081B

Calibration:

SW846 8081B

Calibration:

S011036-CCV3

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Alachlor [2C]

Samples:

SB22018-15 *B-5 4-6'*

This sample was received outside the EPA recommended holding time for the analysis specified.

SW846 8082A

Samples:

SB22018-10 *B-3 4-6'*

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)

SB22018-14 *B-5 1-3'*

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

Decachlorobiphenyl (Sr)

SW846 8260B/C

Calibration:

1011010

Analyte quantified by quadratic equation type calibration.

Acetone
Naphthalene

SW846 8260B/C

Calibration:

1011010

This affected the following samples:

1025449-BLK1
1025449-BS1
1025449-BSD1
1025455-BLK1
1025455-BS1
1025455-BSD1
1025743-BLK1
1025743-BS1
1025743-BSD1
B-1 0.6-2.5'
B-1 4-6'
B-2 0.6-2'
B-2 4-6'
B-2 8-10'
B-3 0.9-3'
B-3 4-6'
B-4 1-2.5'
B-4 4-5'
B-5 1-3'
B-5 4-6'
B-6 0.4-2'
B-6 4-5'
Duplicate-1
S010101-ICV1
S010936-CCV1
S011002-CCV1
S011091-CCV1
Trip Blank

Laboratory Control Samples:

1025449 BS/BSD

2-Butanone (MEK) percent recoveries (133/120) 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:

B-1 4-6'
B-2 0.6-2'

Acetone percent recoveries (172/150) 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:

B-1 4-6'
B-2 0.6-2'

1025455 BS/BSD

SW846 8260B/C

Laboratory Control Samples:

1025455 BS/BSD

Acetone percent recoveries (69/108) 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:

B-2 4-6'
B-2 8-10'
B-3 0.9-3'
B-3 4-6'
B-4 1-2.5'
B-4 4-5'
B-5 1-3'
B-5 4-6'
B-6 0.4-2'
B-6 4-5'
Duplicate-1
Trip Blank

Chloromethane percent recoveries (69/77) 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:

B-2 4-6'
B-2 8-10'
B-3 0.9-3'
B-3 4-6'
B-4 1-2.5'
B-4 4-5'
B-5 1-3'
B-5 4-6'
B-6 0.4-2'
B-6 4-5'
Duplicate-1
Trip Blank

Tetrahydrofuran percent recoveries (69/90) 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:

B-2 4-6'
B-2 8-10'
B-3 0.9-3'
B-3 4-6'
B-4 1-2.5'
B-4 4-5'
B-5 1-3'
B-5 4-6'
B-6 0.4-2'
B-6 4-5'
Duplicate-1
Trip Blank

1025455 BSD

1,4-Dioxane RPD 27% (25%) is outside individual acceptance criteria, but within overall method allowances.

Tetrahydrofuran RPD 26% (25%) is outside individual acceptance criteria, but within overall method allowances.

1025455-BSD1

RPD out of acceptance range.

Tetrahydrofuran

Laboratory Control Samples:

1025455-BSD1

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.

1,4-Dioxane

1025743 BS/BSD

2-Hexanone (MBK) percent recoveries (141/107) 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:

B-1 0.6-2.5'

Acetone percent recoveries (107/56) 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:

B-1 0.6-2.5'

Dibromochloromethane percent recoveries (133/120) 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:

B-1 0.6-2.5'

1025743 BSD

2-Hexanone (MBK) RPD 27% (25%) is outside individual acceptance criteria, but within overall method allowances.

Acetone RPD 62% (50%) is outside individual acceptance criteria, but within overall method allowances.

Tetrahydrofuran RPD 26% (25%) is outside individual acceptance criteria, but within overall method allowances.

1025743-BSD1

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.

2-Hexanone (MBK)
Acetone
Tetrahydrofuran

Samples:

S010936-CCV1

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

Bromoform (21.7%)
Chloromethane (-27.8%)
Di-isopropyl ether (-24.4%)
Ethanol (-21.5%)

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

Acetone (49.8%)

This affected the following samples:

1025449-BLK1
1025449-BS1
1025449-BSD1
B-1 4-6'
B-2 0.6-2'

S011002-CCV1

SW846 8260B/C

Samples:

S011002-CCV1

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

1,4-Dioxane (-21.3%)
Carbon tetrachloride (30.1%)
Chloromethane (-30.7%)
Dibromochloromethane (28.0%)
Tetrahydrofuran (-31.1%)
Trichlorofluoromethane (Freon 11) (21.1%)

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

2-Butanone (MEK) (-25.1%)
Acetone (-30.8%)

This affected the following samples:

1025455-BLK1
1025455-BS1
1025455-BSD1
B-2 4-6'
B-2 8-10'
B-3 0.9-3'
B-3 4-6'
B-4 1-2.5'
B-4 4-5'
B-5 1-3'
B-5 4-6'
B-6 0.4-2'
B-6 4-5'
Duplicate-1
Trip Blank

S011091-CCV1

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

1,2-Dibromoethane (EDB) (28.3%)
1,3-Dichloropropane (25.9%)
1,4-Dioxane (21.9%)
2-Hexanone (MBK) (40.8%)
Carbon tetrachloride (26.8%)
Dibromochloromethane (33.2%)
Tert-Butanol / butyl alcohol (20.5%)

This affected the following samples:

1025743-BLK1
1025743-BS1
1025743-BSD1
B-1 0.6-2.5'

SB22018-04 *B-2 0.6-2'*

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

1,2-Dichloroethane-d4

SB22018-07 *B-2 8-10'*

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

1,2-Dichloroethane-d4

SW846 8260B/C

Samples:

SB22018-12 *B-4 1-2.5'*

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

1,2-Dichloroethane-d4

SB22018-17 *B-6 0.4-2'*

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

1,2-Dichloroethane-d4

SW846 8270D

Samples:

SB22018-14 *B-5 1-3'*

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

SB22018-17 *B-6 0.4-2'*

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

SB22018-18 *B-6 4-5'*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0.6-2.5' SB22018-01	09-188-02E	Soil	03-Dec-10 09:45	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 11.46 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	2.7	1	SW846 8260B/C	13-Dec-10	13-Dec-10	jro	1025743	X
67-64-1	Acetone	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0.6-2.5' SB22018-01	09-188-02E	Soil	03-Dec-10 09:45	06-Dec-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: 11.46 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.7	1	SW846 8260B/C	13-Dec-10	13-Dec-10	jro	1025743	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	54.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	13.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1100	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	347	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	347	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0.6-2.5'	09-188-02E	Soil	03-Dec-10 09:45	06-Dec-10
SB22018-01				

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	347	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	347	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	347	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*68*			*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	2.63	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	52.5	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0.6-2.5' SB22018-01	09-188-02E	Soil	03-Dec-10 09:45	06-Dec-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	2.63	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*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 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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	BRL		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)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.0	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.0	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.57		mg/kg dry	1.57	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.524	1	"	"	"	"	"	X
7440-47-3	Chromium	11.9		mg/kg dry	1.05	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0286	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	5.68		mg/kg dry	1.57	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0.6-2.5' SB22018-01	09-188-02E	Soil	03-Dec-10 09:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	92.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB22018-02	09-188-02E	Soil	03-Dec-10 09:55	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.09 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
67-64-1	Acetone	BRL		µg/kg dry	69.4	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	13.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.4	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	13.9	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	13.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.9	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	13.9	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	13.9	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	69.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6'	09-188-02E	Soil	03-Dec-10 09:55	06-Dec-10
SB22018-02				

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: 6.09 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	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	69.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.9	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	13.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.9	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	69.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	139	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2770	1	"	"	"	"	"	
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*	*123*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	419	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	419	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB22018-02	09-188-02E	Soil	03-Dec-10 09:55	06-Dec-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	419	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.9	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*54*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.9	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.9	1	"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB22018-02	09-188-02E	Soil	03-Dec-10 09:55	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	16.9	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
	Unidentified	17.1		mg/kg dry	16.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	17.1		mg/kg dry	16.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	17.1		mg/kg dry	16.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*95*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.43		mg/kg dry	1.76	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.01		mg/kg dry	0.587	1	"	"	"	"	"	X
7440-47-3	Chromium	33.5		mg/kg dry	1.17	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0369	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	18.3		mg/kg dry	1.76	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	76.3		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0.6-2' SB22018-04	09-188-02E	Soil	03-Dec-10 10:30	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 13.35 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.2	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
67-64-1	Acetone	BRL		µg/kg dry	41.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	41.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	41.8	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0.6-2' SB22018-04	09-188-02E	Soil	03-Dec-10 10:30	06-Dec-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: 13.35 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.2	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	41.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	41.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	83.5	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1670	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*134*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	432	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	432	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0.6-2' SB22018-04	09-188-02E	Soil	03-Dec-10 10:30	06-Dec-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	432	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	432	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	432	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*67*			*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	3.26	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.22	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.26	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0.6-2'	09-188-02E	Soil	03-Dec-10 10:30	06-Dec-10
SB22018-04				

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												
15972-60-8	Alachlor	BRL		µg/kg dry	3.26	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	13.1	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	13.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*59*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*62*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	17.4	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*107*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	4.02		mg/kg dry	1.99	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.21		mg/kg dry	0.665	1	"	"	"	"	"	X
7440-47-3	Chromium	38.3		mg/kg dry	1.33	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0393	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	19.3		mg/kg dry	1.99	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0.6-2' SB22018-04	09-188-02E	Soil	03-Dec-10 10:30	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	74.9		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB22018-05	09-188-02E	Soil	03-Dec-10 10:35	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.27 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.2	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	71.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB22018-05	09-188-02E	Soil	03-Dec-10 10:35	06-Dec-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: 6.27 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.2	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	71.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	143	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.8	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2860	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*92*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	443	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	443	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB22018-05	09-188-02E	Soil	03-Dec-10 10:35	06-Dec-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	443	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	443	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	443	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	13.5	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	17.9	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.9	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB22018-05	09-188-02E	Soil	03-Dec-10 10:35	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	17.9	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
	Unidentified	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*89*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	4.27		mg/kg dry	1.82	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.35		mg/kg dry	0.607	1	"	"	"	"	"	X
7440-47-3	Chromium	40.5		mg/kg dry	1.21	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0376	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	20.4		mg/kg dry	1.82	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	74.0		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 8-10' SB22018-07	09-188-02E	Soil	03-Dec-10 10:45	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.95 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.7	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	77.2	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	15.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	77.2	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	15.4	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	15.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.4	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	15.4	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	15.4	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
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	77.2	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 8-10' SB22018-07	09-188-02E	Soil	03-Dec-10 10:45	06-Dec-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: 4.95 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.7	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	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	77.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	15.4	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	15.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	15.4	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	77.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	154	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3090	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*112*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*136*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*115*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	414	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	414	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 8-10' SB22018-07	09-188-02E	Soil	03-Dec-10 10:45	06-Dec-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	414	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	414	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	414	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons			R01									
Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	33.4	2	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.4	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.4	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.4	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.4	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.4	2	"	"	"	"	"	
	Unidentified	112		mg/kg dry	33.4	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	33.4	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	112		mg/kg dry	33.4	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	112		mg/kg dry	33.4	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*92*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.33		mg/kg dry	1.62	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.03		mg/kg dry	0.540	1	"	"	"	"	"	X
7440-47-3	Chromium	31.1		mg/kg dry	1.08	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0340	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	29.6		mg/kg dry	1.62	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	79.0		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 0.9-3' SB22018-09	09-188-02E	Soil	03-Dec-10 11:20	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
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	6.6	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	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
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 0.9-3' SB22018-09	09-188-02E	Soil	03-Dec-10 11:20	06-Dec-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	6.6	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	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*	*100*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*			*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	385	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	385	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 0.9-3' SB22018-09	09-188-02E	Soil	03-Dec-10 11:20	06-Dec-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	385	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	385	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	385	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*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	2.90	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.64	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.90	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 0.9-3' SB22018-09	09-188-02E	Soil	03-Dec-10 11:20	06-Dec-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	2.90	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*32*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*31*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*32*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*31*			*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 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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	BRL		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)*	*32*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*30*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*32*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*39*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.5	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.21		mg/kg dry	1.74	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.916		mg/kg dry	0.580	1	"	"	"	"	"	X
7440-47-3	Chromium	27.3		mg/kg dry	1.16	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0336	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	14.1		mg/kg dry	1.74	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 0.9-3' SB22018-09	09-188-02E	Soil	03-Dec-10 11:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	84.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB22018-10	09-188-02E	Soil	03-Dec-10 11:25	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.59 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	69.7	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	13.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.7	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	13.9	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	13.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.9	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	13.9	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	13.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB22018-10	09-188-02E	Soil	03-Dec-10 11:25	06-Dec-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: 6.59 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.9	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	13.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	139	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2790	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*84*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*84*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	441	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	441	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB22018-10	09-188-02E	Soil	03-Dec-10 11:25	06-Dec-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	441	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	441	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	441	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	13.6	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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)*	*303*	S02		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*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 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	17.8	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.8	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB22018-10	09-188-02E	Soil	03-Dec-10 11:25	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	17.8	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
	Unidentified	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	17.8	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*102*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.55		mg/kg dry	1.96	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.08		mg/kg dry	0.655	1	"	"	"	"	"	X
7440-47-3	Chromium	34.7		mg/kg dry	1.31	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0386	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	16.8		mg/kg dry	1.96	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	73.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 1-2.5' SB22018-12	09-188-02E	Soil	03-Dec-10 12:15	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 15.02 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	2.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	20.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	20.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	20.6	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 1-2.5' SB22018-12	09-188-02E	Soil	03-Dec-10 12:15	06-Dec-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: 15.02 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	20.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	20.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	41.1	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	10.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	823	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*118*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*132*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	349	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	349	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 1-2.5'	09-188-02E	Soil	03-Dec-10 12:15	06-Dec-10
SB22018-12				

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	349	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	349	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	349	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*88*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*79*			*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	2.62	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	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	4.20	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.20	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 1-2.5' SB22018-12	09-188-02E	Soil	03-Dec-10 12:15	06-Dec-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	2.62	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*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 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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	BRL		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)*	*64*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*71*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.1	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*91*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.83		mg/kg dry	1.48	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.492	1	"	"	"	"	"	X
7440-47-3	Chromium	11.2		mg/kg dry	0.985	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0302	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	5.95		mg/kg dry	1.48	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 1-2.5' SB22018-12	09-188-02E	Soil	03-Dec-10 12:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	94.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-5' SB22018-13	09-188-02E	Soil	03-Dec-10 12:20	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 10.26 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	40.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	40.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	40.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-5' SB22018-13	09-188-02E	Soil	03-Dec-10 12:20	06-Dec-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: 10.26 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	40.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	40.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	80.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1610	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*116*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*120*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	390	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	390	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-5' SB22018-13	09-188-02E	Soil	03-Dec-10 12:20	06-Dec-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	390	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	390	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	390	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.0	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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	BRL		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	BRL		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)*	*56*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.7	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-5' SB22018-13	09-188-02E	Soil	03-Dec-10 12:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	15.7	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
	Unidentified	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.7	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*102*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.58		mg/kg dry	1.78	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.677		mg/kg dry	0.594	1	"	"	"	"	"	X
7440-47-3	Chromium	20.5		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	0.307		mg/kg dry	0.0327	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	88.4		mg/kg dry	1.78	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026544	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010C	22-Dec-10	27-Dec-10	TBG	1026676	
General Chemistry Parameters												
	% Solids	82.5		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 1-3' SB22018-14	09-188-02E	Soil	03-Dec-10 13:05	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 11.42 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	2.9	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	28.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	28.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	28.8	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 1-3' SB22018-14	09-188-02E	Soil	03-Dec-10 13:05	06-Dec-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: 11.42 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.9	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	28.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.9	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	28.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	57.5	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	14.4	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1150	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*130*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
	SPLP Extraction	Completed	HT2	N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026546	X
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	711	2	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 1-3' SB22018-14	09-188-02E	Soil	03-Dec-10 13:05	06-Dec-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			R01									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	711	2	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
120-12-7	Anthracene	715		µg/kg dry	711	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	4,620		µg/kg dry	711	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	4,040		µg/kg dry	711	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	4,820		µg/kg dry	711	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,310		µg/kg dry	711	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,450		µg/kg dry	711	2	"	"	"	"	"	X
218-01-9	Chrysene	3,950		µg/kg dry	711	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	711	2	"	"	"	"	"	X
206-44-0	Fluoranthene	8,240		µg/kg dry	711	2	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	711	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,680		µg/kg dry	711	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	711	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	711	2	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	711	2	"	"	"	"	"	X
85-01-8	Phenanthrene	3,470		µg/kg dry	711	2	"	"	"	"	"	X
129-00-0	Pyrene	6,620		µg/kg dry	711	2	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*88*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A												
Prepared by method SW846 3535												
319-84-6	alpha-BHC	BRL		µg/l	0.003	1	SW846 1312/8081E	23-Dec-10	23-Dec-10	TG	1026472	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	0.003	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.003	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.003	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.003	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.003	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.003	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.003	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.003	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	0.032	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 1-3' SB22018-14	09-188-02E	Soil	03-Dec-10 13:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A Prepared by method SW846 3535												
57-74-9	Chlordane	BRL		µg/l	0.006	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.74	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.74	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	18.6		µg/kg dry	4.38	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.38	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	11.7		µg/kg dry	2.74	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	12.3		µg/kg dry	2.74	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	54.8	1	"	"	"	"	"	X
57-74-9	Chlordane	81.0		µg/kg dry	11.0	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.74	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*46*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*49*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.0	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 1-3' SB22018-14	09-188-02E	Soil	03-Dec-10 13:05	06-Dec-10

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												
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.0	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*287*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	28.7	2	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.7	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.7	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.7	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.7	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.7	2	"	"	"	"	"	
	Unidentified	273		mg/kg dry	28.7	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.7	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	273		mg/kg dry	28.7	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	273		mg/kg dry	28.7	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*94*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.53		mg/kg dry	1.52	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.508	1	"	"	"	"	"	X
7440-47-3	Chromium	13.6		mg/kg dry	1.02	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0936		mg/kg dry	0.0286	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	51.2		mg/kg dry	1.52	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	91.3		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB22018-15	09-188-02E	Soil	03-Dec-10 13:10	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.23 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	71.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB22018-15	09-188-02E	Soil	03-Dec-10 13:10	06-Dec-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: 6.23 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	71.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	71.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	142	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2850	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*86*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*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	435	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	435	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB22018-15	09-188-02E	Soil	03-Dec-10 13:10	06-Dec-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	435	1	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
206-44-0	Fluoranthene	457		µg/kg dry	435	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	435	1	"	"	"	"	"	X
129-00-0	Pyrene	513		µg/kg dry	435	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*83*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A			HT2									
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.24	1	SW846 8081B	21-Dec-10	22-Dec-10	DS	1026448	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.19	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.24	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	13.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB22018-15	09-188-02E	Soil	03-Dec-10 13:10	06-Dec-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			HT2									
15972-60-8	Alachlor	BRL		µg/kg dry	3.24	1	SW846 8081B	21-Dec-10	22-Dec-10	DS	1026448	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*31*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.9	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	17.5	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	17.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	17.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	17.5	1	"	"	"	"	"	
	Unidentified	28.3		mg/kg dry	17.5	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	17.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	28.3		mg/kg dry	17.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	28.3		mg/kg dry	17.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*95*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.06		mg/kg dry	1.69	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.858		mg/kg dry	0.565	1	"	"	"	"	"	X
7440-47-3	Chromium	25.7		mg/kg dry	1.13	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0467		mg/kg dry	0.0387	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	32.9		mg/kg dry	1.69	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB22018-15	09-188-02E	Soil	03-Dec-10 13:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	74.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0.4-2' SB22018-17	09-188-02E	Soil	03-Dec-10 13:40	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.92 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.5	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	49.2		µg/kg dry	44.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.8	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0.4-2' SB22018-17	09-188-02E	Soil	03-Dec-10 13:40	06-Dec-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: 9.92 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.5	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	89.6	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1790	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*124*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*136*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*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	2060	5	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0.4-2' SB22018-17	09-188-02E	Soil	03-Dec-10 13:40	06-Dec-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			R01									
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	2060	5	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	2060	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	2060	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*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 8081B	10-Dec-10	11-Dec-10	DS	1025567	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	4.98	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.98	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.98	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
8001-35-2	Toxaphene	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0.4-2' SB22018-17	09-188-02E	Soil	03-Dec-10 13:40	06-Dec-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	3.11	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*52*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*71*			*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 8082A	10-Dec-10	10-Dec-10	IMR	1025568	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)*	*55*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	83.0	5	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	83.0	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	83.0	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	83.0	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	83.0	5	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	83.0	5	"	"	"	"	"	
	Unidentified	423		mg/kg dry	83.0	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	83.0	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	423		mg/kg dry	83.0	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	423		mg/kg dry	83.0	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*80*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.84	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025616	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.614	1	"	"	"	"	"	X
7440-47-3	Chromium	12.4		mg/kg dry	1.23	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0368	1	SW846 7471B	"	11-Dec-10	ARF	1025618	X
7439-92-1	Lead	31.7		mg/kg dry	1.84	1	SW846 6010C	"	11-Dec-10	TBG	1025616	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0.4-2' SB22018-17	09-188-02E	Soil	03-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	79.3		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 4-5'	09-188-02E	Soil	03-Dec-10 13:45	06-Dec-10
SB22018-18				

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	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.54 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.4	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	43.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	43.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	43.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 4-5' SB22018-18	09-188-02E	Soil	03-Dec-10 13:45	06-Dec-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: 8.54 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.4	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	43.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	43.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	87.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	21.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1750	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*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	1910	5	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 4-5' SB22018-18	09-188-02E	Soil	03-Dec-10 13:45	06-Dec-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			R01									
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	1910	5	SW846 8270D	10-Dec-10	12-Dec-10	MSL	1025571	X
56-55-3	Benzo (a) anthracene	2,110		µg/kg dry	1910	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,180		µg/kg dry	1910	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
206-44-0	Fluoranthene	3,890		µg/kg dry	1910	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	1910	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	1910	5	"	"	"	"	"	X
85-01-8	Phenanthrene	2,110		µg/kg dry	1910	5	"	"	"	"	"	X
129-00-0	Pyrene	3,740		µg/kg dry	1910	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*78*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.5	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*57*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons			R01									
Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	76.8	5	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	76.8	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	76.8	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	76.8	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	76.8	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 4-5' SB22018-18	09-188-02E	Soil	03-Dec-10 13:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
J00100000	Aviation Fuel	BRL		mg/kg dry	76.8	5	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
	Unidentified	347		mg/kg dry	76.8	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	76.8	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	347		mg/kg dry	76.8	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	347		mg/kg dry	76.8	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*101*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.53		mg/kg dry	1.73	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025616	X
7440-43-9	Cadmium	0.791		mg/kg dry	0.577	1	"	"	"	"	"	X
7440-47-3	Chromium	27.8		mg/kg dry	1.15	1	"	"	"	"	"	X
7439-97-6	Mercury	0.267		mg/kg dry	0.0326	1	SW846 7471B	"	11-Dec-10	ARF	1025618	X
7439-92-1	Lead	117		mg/kg dry	1.73	1	SW846 6010C	"	11-Dec-10	TBG	1025616	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026544	X
7439-92-1	Lead	0.0154		mg/l	0.0150	1	SW846 1312/6010C	22-Dec-10	27-Dec-10	TBG	1026676	
General Chemistry Parameters												
	% Solids	84.6		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1 SB22018-19	09-188-02E	Soil	03-Dec-10 00:00	06-Dec-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	VOC Soil Extraction	08-Dec-10	08-Dec-10	BD	1025418	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.72 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	70.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	70.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.1	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	7.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.1	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	7.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	70.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	03-Dec-10 00:00	06-Dec-10
SB22018-19				

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: 4.72 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.1	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	70.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.1	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	7.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	70.6	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	35.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2830	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*126*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*126*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*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	375	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	375	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	03-Dec-10 00:00	06-Dec-10
SB22018-19				

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	375	1	SW846 8270D	10-Dec-10	13-Dec-10	ML	1025571	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*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	2.86	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.86	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	03-Dec-10 00:00	06-Dec-10
SB22018-19				

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	2.86	1	SW846 8081B	10-Dec-10	11-Dec-10	DS	1025567	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*49*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.4	1	SW846 8082A	10-Dec-10	10-Dec-10	IMR	1025568	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*59*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.1	1	+CT ETPH	10-Dec-10	13-Dec-10	SHM	1025572	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*110*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.90		mg/kg dry	1.70	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025616	X
7440-43-9	Cadmium	1.03		mg/kg dry	0.566	1	"	"	"	"	"	X
7440-47-3	Chromium	38.6		mg/kg dry	1.13	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0352	1	SW846 7471B	"	11-Dec-10	ARF	1025618	X
7439-92-1	Lead	18.4		mg/kg dry	1.70	1	SW846 6010C	"	11-Dec-10	TBG	1025616	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
Duplicate-1 SB22018-19	09-188-02E	Soil	03-Dec-10 00:00	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	85.3		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025476	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	09-188-02E	Aqueous	03-Dec-10 00:00	06-Dec-10
SB22018-20				

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)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	09-188-02E	Aqueous	03-Dec-10 00:00	06-Dec-10
SB22018-20				

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)												
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	10.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*127*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
Blank (1025449-BLK1)					Prepared & Analyzed: 09-Dec-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 1025449 - SW846 5035A Soil (low level)										
Blank (1025449-BLK1)						Prepared & Analyzed: 09-Dec-10				
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	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*64.7*		µg/kg wet		*50.0*		*129*	*70-130*		
Surrogate: Dibromofluoromethane	*55.4*		µg/kg wet		*50.0*		*111*	*70-130*		
LCS (1025449-BS1)						Prepared & Analyzed: 09-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130		
Acetone	34.4	QM9	µg/kg wet		20.0		172	70-130		
Acrylonitrile	16.6		µg/kg wet		20.0		83	70-130		
Benzene	17.9		µg/kg wet		20.0		90	70-130		
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130		
Bromochloromethane	19.8		µg/kg wet		20.0		99	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		95	70-130		
Bromoform	23.2		µg/kg wet		20.0		116	70-130		
Bromomethane	17.4		µg/kg wet		20.0		87	70-130		
2-Butanone (MEK)	26.7		µg/kg wet		20.0		133	70-130		
n-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Carbon disulfide	16.9		µg/kg wet		20.0		84	70-130		
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130		
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Chloroethane	16.1		µg/kg wet		20.0		80	70-130		
Chloroform	16.8		µg/kg wet		20.0		84	70-130		
Chloromethane	15.3		µg/kg wet		20.0		76	70-130		
2-Chlorotoluene	18.5		µg/kg wet		20.0		92	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
LCS (1025449-BS1)						Prepared & Analyzed: 09-Dec-10				
1,2-Dibromo-3-chloropropane	19.9		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130		
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	21.2		µg/kg wet		20.0		106	70-130		
1,1-Dichloroethane	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130		
cis-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	16.5		µg/kg wet		20.0		82	70-130		
1,3-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		93	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	19.3		µg/kg wet		20.0		96	70-130		
Hexachlorobutadiene	20.7		µg/kg wet		20.0		103	70-130		
2-Hexanone (MBK)	20.5		µg/kg wet		20.0		102	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	18.9		µg/kg wet		20.0		94	70-130		
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	23.8		µg/kg wet		20.0		119	70-130		
Methylene chloride	16.8		µg/kg wet		20.0		84	70-130		
Naphthalene	20.9		µg/kg wet		20.0		104	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	20.7		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	16.0		µg/kg wet		20.0		80	70-130		
Toluene	16.9		µg/kg wet		20.0		85	70-130		
1,2,3-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,2,4-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	17.7		µg/kg wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	20.6		µg/kg wet		20.0		103	70-130		
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Vinyl chloride	18.3		µg/kg wet		20.0		91	70-130		
m,p-Xylene	40.8		µg/kg wet		40.0		102	70-130		
o-Xylene	19.9		µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	17.6		µg/kg wet		20.0		88	70-130		
Ethyl ether	16.5		µg/kg wet		20.0		82	70-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		87	70-130		
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		92	70-130		
Di-isopropyl ether	16.3		µg/kg wet		20.0		81	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
LCS (1025449-BS1)						Prepared & Analyzed: 09-Dec-10				
Tert-Butanol / butyl alcohol	192		µg/kg wet		200		96	70-130		
1,4-Dioxane	171		µg/kg wet		200		86	70-130		
trans-1,4-Dichloro-2-butene	20.6		µg/kg wet		20.0		103	70-130		
Ethanol	315		µg/kg wet		400		79	70-130		
Surrogate: 4-Bromofluorobenzene	*54.6*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1025449-BSD1)						Prepared & Analyzed: 09-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/kg wet		20.0		93	70-130	1	25
Acetone	30.0		µg/kg wet		20.0		150	70-130	14	50
Acrylonitrile	16.5		µg/kg wet		20.0		82	70-130	1	25
Benzene	18.2		µg/kg wet		20.0		91	70-130	2	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130	3	25
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130	5	25
Bromoform	24.3		µg/kg wet		20.0		122	70-130	5	25
Bromomethane	18.8		µg/kg wet		20.0		94	70-130	8	50
2-Butanone (MEK)	24.0		µg/kg wet		20.0		120	70-130	11	50
n-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130	2	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	5	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130	3	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	0.9	25
Carbon tetrachloride	22.3		µg/kg wet		20.0		112	70-130	5	25
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130	0.6	25
Chloroethane	16.1		µg/kg wet		20.0		80	70-130	0.2	50
Chloroform	16.9		µg/kg wet		20.0		84	70-130	0.2	25
Chloromethane	14.4		µg/kg wet		20.0		72	70-130	6	25
2-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	1	25
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130	4	25
Dibromochloromethane	21.3		µg/kg wet		20.0		106	70-130	0.1	50
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130	7	25
Dibromomethane	19.9		µg/kg wet		20.0		100	70-130	1	25
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	1	25
1,3-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.3	25
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet		20.0		103	70-130	2	50
1,1-Dichloroethane	16.9		µg/kg wet		20.0		84	70-130	4	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		107	70-130	2	25
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	5	25
cis-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	1	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	1	25
1,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130	2	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	7	25
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,1-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	2	25
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	1	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	0.6	25
Ethylbenzene	19.3		µg/kg wet		20.0		97	70-130	0.2	25
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	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 1025449 - SW846 5035A Soil (low level)										
LCS Dup (1025449-BSD1)					Prepared & Analyzed: 09-Dec-10					
2-Hexanone (MBK)	22.3		µg/kg wet		20.0		112	70-130	9	25
Isopropylbenzene	22.1		µg/kg wet		20.0		111	70-130	3	25
4-Isopropyltoluene	18.6		µg/kg wet		20.0		93	70-130	1	25
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130	3	25
4-Methyl-2-pentanone (MIBK)	22.8		µg/kg wet		20.0		114	70-130	5	50
Methylene chloride	16.7		µg/kg wet		20.0		84	70-130	0.1	25
Naphthalene	20.3		µg/kg wet		20.0		102	70-130	3	25
n-Propylbenzene	19.5		µg/kg wet		20.0		97	70-130	0.6	25
Styrene	21.4		µg/kg wet		20.0		107	70-130	4	25
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130	0.6	25
1,1,2,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130	3	25
Tetrachloroethene	16.9		µg/kg wet		20.0		85	70-130	6	25
Toluene	17.4		µg/kg wet		20.0		87	70-130	3	25
1,2,3-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	7	25
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		93	70-130	4	25
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	4	25
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		99	70-130	2	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130	2	25
Trichloroethene	17.4		µg/kg wet		20.0		87	70-130	2	25
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	70-130	6	50
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130	1	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	3	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	3	25
Vinyl chloride	17.7		µg/kg wet		20.0		89	70-130	3	25
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130	2	25
o-Xylene	21.0		µg/kg wet		20.0		105	70-130	5	25
Tetrahydrofuran	16.1		µg/kg wet		20.0		80	70-130	9	25
Ethyl ether	17.1		µg/kg wet		20.0		86	70-130	4	50
Tert-amyl methyl ether	17.1		µg/kg wet		20.0		86	70-130	1	25
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		92	70-130	0.1	25
Di-isopropyl ether	15.1		µg/kg wet		20.0		76	70-130	7	25
Tert-Butanol / butyl alcohol	193		µg/kg wet		200		96	70-130	0.6	25
1,4-Dioxane	193		µg/kg wet		200		96	70-130	12	25
trans-1,4-Dichloro-2-butene	20.8		µg/kg wet		20.0		104	70-130	1	25
Ethanol	314		µg/kg wet		400		79	70-130	0.3	30
Surrogate: 4-Bromofluorobenzene	*55.2*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Batch 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)					Prepared & Analyzed: 09-Dec-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 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)					Prepared & Analyzed: 09-Dec-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 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)						Prepared & Analyzed: 09-Dec-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	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*65.1*		µg/kg wet		*50.0*		*130*	*70-130*		
Surrogate: Dibromofluoromethane	*58.4*		µg/kg wet		*50.0*		*117*	*70-130*		
LCS (1025455-BS1)						Prepared & Analyzed: 09-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130		
Acetone	13.8		µg/kg wet		20.0		69	70-130		
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	19.6		µg/kg wet		20.0		98	70-130		
Bromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromoform	20.5		µg/kg wet		20.0		102	70-130		
Bromomethane	20.2		µg/kg wet		20.0		101	70-130		
2-Butanone (MEK)	15.0		µg/kg wet		20.0		75	70-130		
n-Butylbenzene	16.2		µg/kg wet		20.0		81	70-130		
sec-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130		
Carbon disulfide	16.2		µg/kg wet		20.0		81	70-130		
Carbon tetrachloride	26.0		µg/kg wet		20.0		130	70-130		
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Chloroethane	17.5		µg/kg wet		20.0		87	70-130		
Chloroform	16.5		µg/kg wet		20.0		82	70-130		
Chloromethane	13.8		µg/kg wet		20.0		69	70-130		
2-Chlorotoluene	22.9		µg/kg wet		20.0		114	70-130		
4-Chlorotoluene	23.4		µg/kg wet		20.0		117	70-130		
1,2-Dibromo-3-chloropropane	17.3		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	25.6		µg/kg wet		20.0		128	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	19.5		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	16.6		µg/kg wet		20.0		83	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	18.5		µg/kg wet		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethane	16.3		µg/kg wet		20.0		82	70-130		
1,2-Dichloroethane	20.0		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 1025455 - SW846 5035A Soil (low level)										
LCS (1025455-BS1)					Prepared & Analyzed: 09-Dec-10					
1,1-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dichloropropane	16.6		µg/kg wet		20.0		83	70-130		
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	23.9		µg/kg wet		20.0		119	70-130		
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130		
trans-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130		
Ethylbenzene	18.5		µg/kg wet		20.0		93	70-130		
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	70-130		
2-Hexanone (MBK)	21.4		µg/kg wet		20.0		107	70-130		
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	18.4		µg/kg wet		20.0		92	70-130		
Methyl tert-butyl ether	18.3		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	22.5		µg/kg wet		20.0		112	70-130		
Methylene chloride	16.1		µg/kg wet		20.0		80	70-130		
Naphthalene	17.9		µg/kg wet		20.0		89	70-130		
n-Propylbenzene	22.9		µg/kg wet		20.0		114	70-130		
Styrene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		103	70-130		
1,1,2,2-Tetrachloroethane	21.7		µg/kg wet		20.0		109	70-130		
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130		
Toluene	18.5		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	16.1		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	17.5		µg/kg wet		20.0		87	70-130		
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	18.0		µg/kg wet		20.0		90	70-130		
Trichlorofluoromethane (Freon 11)	24.2		µg/kg wet		20.0		121	70-130		
1,2,3-Trichloropropane	19.1		µg/kg wet		20.0		95	70-130		
1,2,4-Trimethylbenzene	22.6		µg/kg wet		20.0		113	70-130		
1,3,5-Trimethylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	37.7		µg/kg wet		40.0		94	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	13.8	QM9	µg/kg wet		20.0		69	70-130		
Ethyl ether	17.4		µg/kg wet		20.0		87	70-130		
Tert-amyl methyl ether	16.6		µg/kg wet		20.0		83	70-130		
Ethyl tert-butyl ether	17.4		µg/kg wet		20.0		87	70-130		
Di-isopropyl ether	18.9		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	198		µg/kg wet		200		99	70-130		
1,4-Dioxane	157		µg/kg wet		200		79	70-130		
trans-1,4-Dichloro-2-butene	18.0		µg/kg wet		20.0		90	70-130		
Ethanol	369		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS Dup (1025455-BSD1)					Prepared: 09-Dec-10 Analyzed: 10-Dec-10					

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025455 - SW846 5035A Soil (low level)										
LCS Dup (1025455-BSD1)					Prepared: 09-Dec-10 Analyzed: 10-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.0		µg/kg wet		20.0		85	70-130	8	25
Acetone	21.6		µg/kg wet		20.0		108	70-130	44	50
Acrylonitrile	16.1		µg/kg wet		20.0		81	70-130	2	25
Benzene	18.6		µg/kg wet		20.0		93	70-130	13	25
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130	6	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130	2	25
Bromoform	22.0		µg/kg wet		20.0		110	70-130	7	25
Bromomethane	19.2		µg/kg wet		20.0		96	70-130	5	50
2-Butanone (MEK)	19.4		µg/kg wet		20.0		97	70-130	26	50
n-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130	12	25
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	14	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	13	25
Carbon disulfide	17.3		µg/kg wet		20.0		86	70-130	7	25
Carbon tetrachloride	20.3		µg/kg wet		20.0		102	70-130	25	25
Chlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.4	25
Chloroethane	16.0		µg/kg wet		20.0		80	70-130	9	50
Chloroform	17.5		µg/kg wet		20.0		88	70-130	6	25
Chloromethane	15.4		µg/kg wet		20.0		77	70-130	11	25
2-Chlorotoluene	18.2		µg/kg wet		20.0		91	70-130	23	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	16	25
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92	70-130	7	25
Dibromochloromethane	20.6		µg/kg wet		20.0		103	70-130	22	50
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130	10	25
Dibromomethane	19.7		µg/kg wet		20.0		99	70-130	1	25
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	15	25
1,3-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	8	25
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130	2	25
Dichlorodifluoromethane (Freon12)	18.5		µg/kg wet		20.0		92	70-130	12	50
1,1-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	13	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130	6	25
1,1-Dichloroethene	17.9		µg/kg wet		20.0		90	70-130	22	25
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130	0.2	25
trans-1,2-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130	6	25
1,2-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130	5	25
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	2	25
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	4	25
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	25	25
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	0.5	25
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethylbenzene	19.7		µg/kg wet		20.0		98	70-130	6	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		101	70-130	12	50
2-Hexanone (MBK)	17.3		µg/kg wet		20.0		87	70-130	21	25
Isopropylbenzene	20.7		µg/kg wet		20.0		104	70-130	5	25
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130	2	25
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130	5	25
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	70-130	19	50
Methylene chloride	17.0		µg/kg wet		20.0		85	70-130	6	25
Naphthalene	18.6		µg/kg wet		20.0		93	70-130	4	25
n-Propylbenzene	19.5		µg/kg wet		20.0		97	70-130	16	25
Styrene	19.8		µg/kg wet		20.0		99	70-130	13	25
1,1,1,2-Tetrachloroethane	21.9		µg/kg wet		20.0		110	70-130	7	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025455 - SW846 5035A Soil (low level)										
LCS Dup (1025455-BSD1)					Prepared: 09-Dec-10 Analyzed: 10-Dec-10					
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	12	25
Tetrachloroethene	15.8		µg/kg wet		20.0		79	70-130	13	25
Toluene	17.2		µg/kg wet		20.0		86	70-130	7	25
1,2,3-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	11	25
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	15	25
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	13	25
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130	2	25
Trichloroethene	17.4		µg/kg wet		20.0		87	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		99	70-130	20	50
1,2,3-Trichloropropane	20.6		µg/kg wet		20.0		103	70-130	8	25
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	10	25
1,3,5-Trimethylbenzene	20.5		µg/kg wet		20.0		102	70-130	13	25
Vinyl chloride	17.1		µg/kg wet		20.0		85	70-130	0.6	25
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130	6	25
o-Xylene	19.9		µg/kg wet		20.0		100	70-130	11	25
Tetrahydrofuran	17.9	QR5	µg/kg wet		20.0		90	70-130	26	25
Ethyl ether	17.6		µg/kg wet		20.0		88	70-130	0.7	50
Tert-amyl methyl ether	17.9		µg/kg wet		20.0		89	70-130	7	25
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130	11	25
Di-isopropyl ether	17.9		µg/kg wet		20.0		89	70-130	6	25
Tert-Butanol / butyl alcohol	183		µg/kg wet		200		91	70-130	8	25
1,4-Dioxane	206	QR2	µg/kg wet		200		103	70-130	27	25
trans-1,4-Dichloro-2-butene	20.0		µg/kg wet		20.0		100	70-130	10	25
Ethanol	354		µg/kg wet		400		89	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Batch 1025743 - SW846 5035A Soil (low level)										
Blank (1025743-BLK1)					Prepared & Analyzed: 13-Dec-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 1025743 - SW846 5035A Soil (low level)										
Blank (1025743-BLK1)						Prepared & Analyzed: 13-Dec-10				
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	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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025743 - SW846 5035A Soil (low level)										
Blank (1025743-BLK1)					Prepared & Analyzed: 13-Dec-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	*42.6*		µg/kg wet		*50.0*		*85*	*70-130*		
Surrogate: Toluene-d8	*55.1*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*62.7*		µg/kg wet		*50.0*		*125*	*70-130*		
Surrogate: Dibromofluoromethane	*54.8*		µg/kg wet		*50.0*		*110*	*70-130*		
LCS (1025743-BS1)					Prepared & Analyzed: 13-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.7		µg/kg wet		20.0		88	70-130		
Acetone	21.4		µg/kg wet		20.0		107	70-130		
Acrylonitrile	19.0		µg/kg wet		20.0		95	70-130		
Benzene	22.2		µg/kg wet		20.0		111	70-130		
Bromobenzene	18.9		µg/kg wet		20.0		95	70-130		
Bromochloromethane	20.4		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	24.0		µg/kg wet		20.0		120	70-130		
Bromomethane	19.0		µg/kg wet		20.0		95	70-130		
2-Butanone (MEK)	19.1		µg/kg wet		20.0		96	70-130		
n-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130		
Carbon disulfide	16.5		µg/kg wet		20.0		82	70-130		
Carbon tetrachloride	25.4		µg/kg wet		20.0		127	70-130		
Chlorobenzene	17.5		µg/kg wet		20.0		87	70-130		
Chloroethane	19.0		µg/kg wet		20.0		95	70-130		
Chloroform	20.8		µg/kg wet		20.0		104	70-130		
Chloromethane	16.7		µg/kg wet		20.0		83	70-130		
2-Chlorotoluene	17.9		µg/kg wet		20.0		90	70-130		
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	22.3		µg/kg wet		20.0		112	70-130		
Dibromochloromethane	26.6	QM9	µg/kg wet		20.0		133	70-130		
1,2-Dibromoethane (EDB)	25.7		µg/kg wet		20.0		128	70-130		
Dibromomethane	21.4		µg/kg wet		20.0		107	70-130		
1,2-Dichlorobenzene	18.0		µg/kg wet		20.0		90	70-130		
1,3-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	18.1		µg/kg wet		20.0		91	70-130		
Dichlorodifluoromethane (Freon12)	19.3		µg/kg wet		20.0		96	70-130		
1,1-Dichloroethane	17.0		µg/kg wet		20.0		85	70-130		
1,2-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130		
cis-1,2-Dichloroethene	17.4		µg/kg wet		20.0		87	70-130		
trans-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dichloropropane	16.4		µg/kg wet		20.0		82	70-130		
1,3-Dichloropropane	25.2		µg/kg wet		20.0		126	70-130		
2,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130		
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130		
cis-1,3-Dichloropropene	19.9		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130		
Ethylbenzene	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 1025743 - SW846 5035A Soil (low level)										
LCS (1025743-BS1)						Prepared & Analyzed: 13-Dec-10				
Hexachlorobutadiene	21.9		µg/kg wet		20.0		109	70-130		
2-Hexanone (MBK)	28.2		µg/kg wet		20.0		141	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	17.4		µg/kg wet		20.0		87	70-130		
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	22.2		µg/kg wet		20.0		111	70-130		
Methylene chloride	16.9		µg/kg wet		20.0		84	70-130		
Naphthalene	24.0		µg/kg wet		20.0		120	70-130		
n-Propylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Styrene	19.1		µg/kg wet		20.0		95	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	19.7		µg/kg wet		20.0		99	70-130		
Tetrachloroethene	20.2		µg/kg wet		20.0		101	70-130		
Toluene	21.5		µg/kg wet		20.0		107	70-130		
1,2,3-Trichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
1,2,4-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,3,5-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,1,1-Trichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,1,2-Trichloroethane	22.3		µg/kg wet		20.0		112	70-130		
Trichloroethene	18.2		µg/kg wet		20.0		91	70-130		
Trichlorofluoromethane (Freon 11)	21.2		µg/kg wet		20.0		106	70-130		
1,2,3-Trichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Vinyl chloride	16.3		µg/kg wet		20.0		82	70-130		
m,p-Xylene	38.0		µg/kg wet		40.0		95	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	19.8		µg/kg wet		20.0		99	70-130		
Ethyl ether	18.9		µg/kg wet		20.0		94	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	16.4		µg/kg wet		20.0		82	70-130		
Tert-Butanol / butyl alcohol	241		µg/kg wet		200		121	70-130		
1,4-Dioxane	244		µg/kg wet		200		122	70-130		
trans-1,4-Dichloro-2-butene	22.3		µg/kg wet		20.0		111	70-130		
Ethanol	430		µg/kg wet		400		108	70-130		
Surrogate: 4-Bromofluorobenzene	*53.5*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*53.1*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.2*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (1025743-BSD1)						Prepared & Analyzed: 13-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/kg wet		20.0		92	70-130	4	25
Acetone	11.2	QR2	µg/kg wet		20.0		56	70-130	62	50
Acrylonitrile	17.1		µg/kg wet		20.0		86	70-130	10	25
Benzene	17.9		µg/kg wet		20.0		90	70-130	21	25
Bromobenzene	20.1		µg/kg wet		20.0		100	70-130	6	25
Bromochloromethane	22.7		µg/kg wet		20.0		114	70-130	11	25
Bromodichloromethane	19.5		µg/kg wet		20.0		97	70-130	3	25
Bromoform	22.4		µg/kg wet		20.0		112	70-130	7	25
Bromomethane	18.7		µg/kg wet		20.0		93	70-130	1	50
2-Butanone (MEK)	17.6		µg/kg wet		20.0		88	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 1025743 - SW846 5035A Soil (low level)										
LCS Dup (1025743-BSD1)					Prepared & Analyzed: 13-Dec-10					
n-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	1	25
sec-Butylbenzene	18.7		µg/kg wet		20.0		94	70-130	11	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	5	25
Carbon disulfide	17.5		µg/kg wet		20.0		87	70-130	6	25
Carbon tetrachloride	24.4		µg/kg wet		20.0		122	70-130	4	25
Chlorobenzene	17.9		µg/kg wet		20.0		90	70-130	2	25
Chloroethane	17.3		µg/kg wet		20.0		86	70-130	10	50
Chloroform	19.6		µg/kg wet		20.0		98	70-130	6	25
Chloromethane	15.9		µg/kg wet		20.0		80	70-130	5	25
2-Chlorotoluene	17.7		µg/kg wet		20.0		88	70-130	1	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2-Dibromo-3-chloropropane	18.6		µg/kg wet		20.0		93	70-130	18	25
Dibromochloromethane	23.9		µg/kg wet		20.0		120	70-130	11	50
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130	15	25
Dibromomethane	24.4		µg/kg wet		20.0		122	70-130	13	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	12	25
1,3-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.3	25
1,4-Dichlorobenzene	17.9		µg/kg wet		20.0		89	70-130	1	25
Dichlorodifluoromethane (Freon12)	18.2		µg/kg wet		20.0		91	70-130	6	50
1,1-Dichloroethane	16.6		µg/kg wet		20.0		83	70-130	3	25
1,2-Dichloroethane	23.5		µg/kg wet		20.0		118	70-130	13	25
1,1-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130	2	25
cis-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130	15	25
trans-1,2-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130	3	25
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	17	25
1,3-Dichloropropane	22.5		µg/kg wet		20.0		113	70-130	11	25
2,2-Dichloropropane	23.3		µg/kg wet		20.0		116	70-130	9	25
1,1-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	4	25
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	12	25
trans-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	7	25
Ethylbenzene	18.7		µg/kg wet		20.0		93	70-130	4	25
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	70-130	11	50
2-Hexanone (MBK)	21.5	QR2	µg/kg wet		20.0		107	70-130	27	25
Isopropylbenzene	20.3		µg/kg wet		20.0		101	70-130	7	25
4-Isopropyltoluene	17.8		µg/kg wet		20.0		89	70-130	2	25
Methyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130	4	25
4-Methyl-2-pentanone (MIBK)	19.5		µg/kg wet		20.0		98	70-130	13	50
Methylene chloride	16.7		µg/kg wet		20.0		84	70-130	0.8	25
Naphthalene	19.6		µg/kg wet		20.0		98	70-130	20	25
n-Propylbenzene	18.3		µg/kg wet		20.0		91	70-130	4	25
Styrene	19.3		µg/kg wet		20.0		97	70-130	1	25
1,1,1,2-Tetrachloroethane	20.9		µg/kg wet		20.0		105	70-130	5	25
1,1,2,2-Tetrachloroethane	17.7		µg/kg wet		20.0		88	70-130	11	25
Tetrachloroethene	17.8		µg/kg wet		20.0		89	70-130	12	25
Toluene	19.8		µg/kg wet		20.0		99	70-130	8	25
1,2,3-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	15	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		92	70-130	17	25
1,3,5-Trichlorobenzene	22.3		µg/kg wet		20.0		111	70-130	1	25
1,1,1-Trichloroethane	18.5		µg/kg wet		20.0		92	70-130	3	25
1,1,2-Trichloroethane	22.1		µg/kg wet		20.0		110	70-130	1	25
Trichloroethene	16.6		µg/kg wet		20.0		83	70-130	9	25
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	70-130	3	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025743 - SW846 5035A Soil (low level)										
LCS Dup (1025743-BSD1)					Prepared & Analyzed: 13-Dec-10					
1,2,3-Trichloropropane	23.3		µg/kg wet		20.0		116	70-130	8	25
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		100	70-130	5	25
1,3,5-Trimethylbenzene	24.1		µg/kg wet		20.0		120	70-130	9	25
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130	13	25
m,p-Xylene	38.6		µg/kg wet		40.0		97	70-130	2	25
o-Xylene	18.5		µg/kg wet		20.0		93	70-130	3	25
Tetrahydrofuran	15.2	QR2	µg/kg wet		20.0		76	70-130	26	25
Ethyl ether	18.1		µg/kg wet		20.0		91	70-130	4	50
Tert-amyl methyl ether	17.0		µg/kg wet		20.0		85	70-130	6	25
Ethyl tert-butyl ether	19.7		µg/kg wet		20.0		99	70-130	7	25
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130	1	25
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130	18	25
1,4-Dioxane	229		µg/kg wet		200		115	70-130	6	25
trans-1,4-Dichloro-2-butene	20.5		µg/kg wet		20.0		103	70-130	8	25
Ethanol	396		µg/kg wet		400		99	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*54.9*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*60.8*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.3*		µg/kg wet		*50.0*		*119*	*70-130*		
Surrogate: Dibromofluoromethane	*59.7*		µg/kg wet		*50.0*		*119*	*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 1025571 - SW846 3545A										
Blank (1025571-BLK1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1610*		µg/kg wet		*1670*		*97*	*30-130*		
Surrogate: Terphenyl-dl4	*1530*		µg/kg wet		*1670*		*92*	*30-130*		
LCS (1025571-BS1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	520		µg/kg wet	165	833		62	40-140		
Acenaphthylene	540		µg/kg wet	165	833		65	40-140		
Anthracene	500		µg/kg wet	165	833		60	40-140		
Benzo (a) anthracene	523		µg/kg wet	165	833		63	40-140		
Benzo (a) pyrene	486		µg/kg wet	165	833		58	40-140		
Benzo (b) fluoranthene	418		µg/kg wet	165	833		50	40-140		
Benzo (g,h,i) perylene	470		µg/kg wet	165	833		56	40-140		
Benzo (k) fluoranthene	564		µg/kg wet	165	833		68	40-140		
Chrysene	535		µg/kg wet	165	833		64	40-140		
Dibenzo (a,h) anthracene	440		µg/kg wet	165	833		53	40-140		
Fluoranthene	494		µg/kg wet	165	833		59	40-140		
Fluorene	532		µg/kg wet	165	833		64	40-140		
Indeno (1,2,3-cd) pyrene	436		µg/kg wet	165	833		52	40-140		
1-Methylnaphthalene	531		µg/kg wet	165	833		64	40-140		
2-Methylnaphthalene	475		µg/kg wet	165	833		57	40-140		
Naphthalene	489		µg/kg wet	165	833		59	40-140		
Phenanthrene	447		µg/kg wet	165	833		54	40-140		
Pyrene	566		µg/kg wet	165	833		68	40-140		
Surrogate: 2-Fluorobiphenyl	*770*		µg/kg wet		*833*		*92*	*30-130*		
Surrogate: Terphenyl-dl4	*713*		µg/kg wet		*833*		*86*	*30-130*		
Duplicate (1025571-DUP1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	BRL		µg/kg dry	346		BRL				50
Acenaphthylene	BRL		µg/kg dry	346		BRL				50
Anthracene	BRL		µg/kg dry	346		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	346		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	346		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	346		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	346		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	346		BRL				50
Chrysene	BRL		µg/kg dry	346		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025571 - SW846 3545A										
Duplicate (1025571-DUP1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Dibenzo (a,h) anthracene	BRL		µg/kg dry	346		BRL				50
Fluoranthene	BRL		µg/kg dry	346		BRL				50
Fluorene	BRL		µg/kg dry	346		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	346		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	346		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	346		BRL				50
Naphthalene	BRL		µg/kg dry	346		BRL				50
Phenanthrene	BRL		µg/kg dry	346		BRL				50
Pyrene	BRL		µg/kg dry	346		BRL				50
Surrogate: 2-Fluorobiphenyl	*1560*		µg/kg dry		*1750*		*89*	*30-130*		
Surrogate: Terphenyl-d14	*1390*		µg/kg dry		*1750*		*80*	*30-130*		
Matrix Spike (1025571-MS1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	1400		µg/kg dry	173	1740	BRL	81	40-140		
Acenaphthylene	1420		µg/kg dry	173	1740	BRL	81	40-140		
Anthracene	1370		µg/kg dry	173	1740	BRL	79	40-140		
Benzo (a) anthracene	1410		µg/kg dry	173	1740	BRL	81	40-140		
Benzo (a) pyrene	1330		µg/kg dry	173	1740	BRL	76	40-140		
Benzo (b) fluoranthene	1190		µg/kg dry	173	1740	BRL	68	40-140		
Benzo (g,h,i) perylene	1200		µg/kg dry	173	1740	BRL	69	40-140		
Benzo (k) fluoranthene	1500		µg/kg dry	173	1740	BRL	86	40-140		
Chrysene	1570		µg/kg dry	173	1740	BRL	90	30-130		
Dibenzo (a,h) anthracene	1190		µg/kg dry	173	1740	BRL	68	30-130		
Fluoranthene	1400		µg/kg dry	173	1740	BRL	80	40-140		
Fluorene	1480		µg/kg dry	173	1740	BRL	85	40-140		
Indeno (1,2,3-cd) pyrene	1150		µg/kg dry	173	1740	BRL	66	40-140		
1-Methylnaphthalene	1410		µg/kg dry	173	1740	BRL	81	40-140		
2-Methylnaphthalene	1150		µg/kg dry	173	1740	BRL	66	40-140		
Naphthalene	1200		µg/kg dry	173	1740	BRL	69	40-140		
Phenanthrene	1260		µg/kg dry	173	1740	BRL	73	40-140		
Pyrene	1500		µg/kg dry	173	1740	BRL	86	40-140		
Surrogate: 2-Fluorobiphenyl	*1630*		µg/kg dry		*1740*		*93*	*30-130*		
Surrogate: Terphenyl-d14	*1510*		µg/kg dry		*1740*		*86*	*30-130*		
Matrix Spike Dup (1025571-MSD1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	1350		µg/kg dry	169	1710	BRL	79	40-140	2	30
Acenaphthylene	1380		µg/kg dry	169	1710	BRL	81	40-140	0.8	30
Anthracene	1330		µg/kg dry	169	1710	BRL	77	40-140	2	30
Benzo (a) anthracene	1340		µg/kg dry	169	1710	BRL	79	40-140	3	30
Benzo (a) pyrene	1270		µg/kg dry	169	1710	BRL	74	40-140	3	30
Benzo (b) fluoranthene	1160		µg/kg dry	169	1710	BRL	68	40-140	0.4	30
Benzo (g,h,i) perylene	1130		µg/kg dry	169	1710	BRL	66	40-140	4	30
Benzo (k) fluoranthene	1420		µg/kg dry	169	1710	BRL	83	40-140	3	30
Chrysene	1500		µg/kg dry	169	1710	BRL	88	30-130	3	30
Dibenzo (a,h) anthracene	1120		µg/kg dry	169	1710	BRL	65	30-130	4	30
Fluoranthene	1340		µg/kg dry	169	1710	BRL	79	40-140	2	30
Fluorene	1430		µg/kg dry	169	1710	BRL	83	40-140	2	30
Indeno (1,2,3-cd) pyrene	1120		µg/kg dry	169	1710	BRL	66	40-140	0.8	30
1-Methylnaphthalene	1360		µg/kg dry	169	1710	BRL	80	40-140	1	30
2-Methylnaphthalene	1090		µg/kg dry	169	1710	BRL	63	40-140	4	30
Naphthalene	1150		µg/kg dry	169	1710	BRL	67	40-140	2	30
Phenanthrene	1190		µg/kg dry	169	1710	BRL	70	40-140	4	30
Pyrene	1440		µg/kg dry	169	1710	BRL	84	40-140	2	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 1025571 - SW846 3545A										
Matrix Spike Dup (1025571-MSD1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Surrogate: 2-Fluorobiphenyl	*1550*		µg/kg dry		*1710*		*91*	*30-130*		
Surrogate: Terphenyl-d14	*1440*		µg/kg dry		*1710*		*84*	*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 1025567 - SW846 3545A										
Blank (1025567-BLK1)					Prepared: 10-Dec-10 Analyzed: 11-Dec-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						
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)	*6.78*		µg/kg wet		*10.0*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.63*		µg/kg wet		*10.0*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.84*		µg/kg wet		*10.0*		*58*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*6.18*		µg/kg wet		*10.0*		*62*	*30-150*		
LCS (1025567-BS1)					Prepared: 10-Dec-10 Analyzed: 11-Dec-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 1025567 - SW846 3545A										
LCS (1025567-BS1)					Prepared: 10-Dec-10 Analyzed: 11-Dec-10					
alpha-BHC	19.5		µg/kg wet	2.50	25.0		78	40-140		
alpha-BHC [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140		
beta-BHC	20.1		µg/kg wet	2.50	25.0		80	40-140		
beta-BHC [2C]	20.9		µg/kg wet	2.50	25.0		84	40-140		
delta-BHC	17.3		µg/kg wet	2.50	25.0		69	40-140		
delta-BHC [2C]	18.3		µg/kg wet	2.50	25.0		73	40-140		
gamma-BHC (Lindane)	19.9		µg/kg wet	2.50	25.0		80	50-120		
gamma-BHC (Lindane) [2C]	21.1		µg/kg wet	2.50	25.0		84	50-120		
Heptachlor	19.8		µg/kg wet	2.50	25.0		79	40-140		
Heptachlor [2C]	21.1		µg/kg wet	2.50	25.0		85	40-140		
Aldrin	19.0		µg/kg wet	2.50	25.0		76	40-140		
Aldrin [2C]	19.8		µg/kg wet	2.50	25.0		79	40-140		
Heptachlor epoxide	19.4		µg/kg wet	2.50	25.0		77	50-140		
Heptachlor epoxide [2C]	20.6		µg/kg wet	2.50	25.0		82	50-140		
Endosulfan I	20.2		µg/kg wet	2.50	25.0		81	40-140		
Endosulfan I [2C]	21.1		µg/kg wet	2.50	25.0		85	40-140		
Dieldrin	19.8		µg/kg wet	2.50	25.0		79	40-130		
Dieldrin [2C]	21.3		µg/kg wet	2.50	25.0		85	40-130		
4,4'-DDE (p,p')	19.8		µg/kg wet	2.50	25.0		79	50-140		
4,4'-DDE (p,p') [2C]	20.9		µg/kg wet	2.50	25.0		83	50-140		
Endrin	21.3		µg/kg wet	4.00	25.0		85	50-120		
Endrin [2C]	24.0		µg/kg wet	4.00	25.0		96	50-120		
Endosulfan II	20.1		µg/kg wet	4.00	25.0		80	40-140		
Endosulfan II [2C]	21.3		µg/kg wet	4.00	25.0		85	40-140		
4,4'-DDD (p,p')	19.3		µg/kg wet	4.00	25.0		77	40-140		
4,4'-DDD (p,p') [2C]	21.0		µg/kg wet	4.00	25.0		84	40-140		
Endosulfan sulfate	18.3		µg/kg wet	4.00	25.0		73	50-120		
Endosulfan sulfate [2C]	20.1		µg/kg wet	4.00	25.0		80	50-120		
4,4'-DDT (p,p')	17.9		µg/kg wet	4.00	25.0		72	40-140		
4,4'-DDT (p,p') [2C]	17.7		µg/kg wet	4.00	25.0		71	40-140		
Methoxychlor	17.7		µg/kg wet	4.00	25.0		71	40-140		
Methoxychlor [2C]	19.0		µg/kg wet	4.00	25.0		76	40-140		
Endrin ketone	18.0		µg/kg wet	4.00	25.0		72	40-140		
Endrin ketone [2C]	19.8		µg/kg wet	4.00	25.0		79	40-140		
Endrin aldehyde	18.3		µg/kg wet	4.00	25.0		73	40-140		
Endrin aldehyde [2C]	18.8		µg/kg wet	4.00	25.0		75	40-140		
alpha-Chlordane	18.5		µg/kg wet	2.50	25.0		74	40-140		
alpha-Chlordane [2C]	19.2		µg/kg wet	2.50	25.0		77	40-140		
gamma-Chlordane	18.5		µg/kg wet	2.50	25.0		74	40-130		
gamma-Chlordane [2C]	20.0		µg/kg wet	2.50	25.0		80	40-130		
Alachlor	22.4		µg/kg wet	2.50	25.0		90	40-140		
Alachlor [2C]	25.6		µg/kg wet	2.50	25.0		102	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.76*		µg/kg wet		*10.0*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.07*		µg/kg wet		*10.0*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*5.99*		µg/kg wet		*10.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*6.94*		µg/kg wet		*10.0*		*69*	*30-150*		
LCS Dup (1025567-BSD1)					Prepared: 10-Dec-10 Analyzed: 11-Dec-10					
alpha-BHC	19.8		µg/kg wet	2.50	25.0		79	40-140	1	30
alpha-BHC [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140	0.2	30
beta-BHC	20.5		µg/kg wet	2.50	25.0		82	40-140	2	30
beta-BHC [2C]	20.9		µg/kg wet	2.50	25.0		84	40-140	0.02	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 1025567 - SW846 3545A										
LCS Dup (1025567-BSD1)					Prepared: 10-Dec-10 Analyzed: 11-Dec-10					
delta-BHC	17.5		µg/kg wet	2.50	25.0		70	40-140	1	30
delta-BHC [2C]	18.3		µg/kg wet	2.50	25.0		73	40-140	0.08	30
gamma-BHC (Lindane)	20.2		µg/kg wet	2.50	25.0		81	50-120	2	30
gamma-BHC (Lindane) [2C]	21.1		µg/kg wet	2.50	25.0		85	50-120	0.3	30
Heptachlor	20.4		µg/kg wet	2.50	25.0		81	40-140	3	30
Heptachlor [2C]	21.5		µg/kg wet	2.50	25.0		86	40-140	1	30
Aldrin	19.6		µg/kg wet	2.50	25.0		78	40-140	3	30
Aldrin [2C]	20.0		µg/kg wet	2.50	25.0		80	40-140	1	30
Heptachlor epoxide	20.0		µg/kg wet	2.50	25.0		80	50-140	3	30
Heptachlor epoxide [2C]	20.7		µg/kg wet	2.50	25.0		83	50-140	0.5	30
Endosulfan I	20.9		µg/kg wet	2.50	25.0		84	40-140	4	30
Endosulfan I [2C]	21.5		µg/kg wet	2.50	25.0		86	40-140	2	30
Dieldrin	20.5		µg/kg wet	2.50	25.0		82	40-130	4	30
Dieldrin [2C]	21.7		µg/kg wet	2.50	25.0		87	40-130	2	30
4,4'-DDE (p,p')	20.8		µg/kg wet	2.50	25.0		83	50-140	5	30
4,4'-DDE (p,p') [2C]	21.4		µg/kg wet	2.50	25.0		86	50-140	3	30
Endrin	22.7		µg/kg wet	4.00	25.0		91	50-120	6	30
Endrin [2C]	24.9		µg/kg wet	4.00	25.0		100	50-120	4	30
Endosulfan II	21.2		µg/kg wet	4.00	25.0		85	40-140	6	30
Endosulfan II [2C]	22.0		µg/kg wet	4.00	25.0		88	40-140	3	30
4,4'-DDD (p,p')	20.7		µg/kg wet	4.00	25.0		83	40-140	7	30
4,4'-DDD (p,p') [2C]	22.0		µg/kg wet	4.00	25.0		88	40-140	5	30
Endosulfan sulfate	19.9		µg/kg wet	4.00	25.0		79	50-120	8	30
Endosulfan sulfate [2C]	21.0		µg/kg wet	4.00	25.0		84	50-120	4	30
4,4'-DDT (p,p')	19.4		µg/kg wet	4.00	25.0		78	40-140	8	30
4,4'-DDT (p,p') [2C]	18.8		µg/kg wet	4.00	25.0		75	40-140	6	30
Methoxychlor	19.8		µg/kg wet	4.00	25.0		79	40-140	12	30
Methoxychlor [2C]	20.4		µg/kg wet	4.00	25.0		82	40-140	7	30
Endrin ketone	19.6		µg/kg wet	4.00	25.0		78	40-140	8	30
Endrin ketone [2C]	20.8		µg/kg wet	4.00	25.0		83	40-140	5	30
Endrin aldehyde	19.3		µg/kg wet	4.00	25.0		77	40-140	5	30
Endrin aldehyde [2C]	19.2		µg/kg wet	4.00	25.0		77	40-140	2	30
alpha-Chlordane	19.1		µg/kg wet	2.50	25.0		77	40-140	3	30
alpha-Chlordane [2C]	19.6		µg/kg wet	2.50	25.0		78	40-140	2	30
gamma-Chlordane	19.1		µg/kg wet	2.50	25.0		77	40-130	3	30
gamma-Chlordane [2C]	20.2		µg/kg wet	2.50	25.0		81	40-130	0.9	30
Alachlor	22.5		µg/kg wet	2.50	25.0		90	40-140	0.7	30
Alachlor [2C]	25.3		µg/kg wet	2.50	25.0		101	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.89*		µg/kg wet		*10.0*		*69*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*7.12*		µg/kg wet		*10.0*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.08*		µg/kg wet		*10.0*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.46*		µg/kg wet		*10.0*		*75*	*30-150*		
Batch 1025568 - SW846 3545A										
Blank (1025568-BLK1)					Prepared & Analyzed: 10-Dec-10					
Aroclor-1016	BRL		µg/kg wet	10.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1221	BRL		µg/kg wet	10.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1232	BRL		µg/kg wet	10.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1242	BRL		µg/kg wet	10.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025568 - SW846 3545A										
Blank (1025568-BLK1)					Prepared & Analyzed: 10-Dec-10					
Aroclor-1242 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1248	BRL		µg/kg wet	10.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1254	BRL		µg/kg wet	10.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1260	BRL		µg/kg wet	10.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1262	BRL		µg/kg wet	10.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1268	BRL		µg/kg wet	10.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	10.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.55*		µg/kg wet		*10.0*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.65*		µg/kg wet		*10.0*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.00*		µg/kg wet		*10.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.80*		µg/kg wet		*10.0*		*88*	*30-150*		
LCS (1025568-BS1)					Prepared & Analyzed: 10-Dec-10					
Aroclor-1016	102		µg/kg wet	10.0	125		81	50-140		
Aroclor-1016 [2C]	99.7		µg/kg wet	10.0	125		80	50-140		
Aroclor-1260	101		µg/kg wet	10.0	125		81	50-140		
Aroclor-1260 [2C]	96.7		µg/kg wet	10.0	125		77	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.70*		µg/kg wet		*10.0*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.95*		µg/kg wet		*10.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.60*		µg/kg wet		*10.0*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.65*		µg/kg wet		*10.0*		*76*	*30-150*		
LCS Dup (1025568-BSD1)					Prepared & Analyzed: 10-Dec-10					
Aroclor-1016	106		µg/kg wet	10.0	125		85	50-140	4	30
Aroclor-1016 [2C]	102		µg/kg wet	10.0	125		82	50-140	3	30
Aroclor-1260	103		µg/kg wet	10.0	125		82	50-140	2	30
Aroclor-1260 [2C]	100		µg/kg wet	10.0	125		80	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.90*		µg/kg wet		*10.0*		*69*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.95*		µg/kg wet		*10.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.65*		µg/kg wet		*10.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.25*		µg/kg wet		*10.0*		*82*	*30-150*		
Batch 1026448 - SW846 3545A										
Blank (1026448-BLK1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-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 1026448 - SW846 3545A										
Blank (1026448-BLK1)						Prepared: 21-Dec-10		Analyzed: 22-Dec-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)	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.3*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
LCS (1026448-BS1)						Prepared: 21-Dec-10		Analyzed: 22-Dec-10		
alpha-BHC	44.6		µg/kg wet	5.00	50.0		89	40-140		
alpha-BHC [2C]	42.5		µg/kg wet	5.00	50.0		85	40-140		
beta-BHC	45.2		µg/kg wet	5.00	50.0		90	40-140		
beta-BHC [2C]	42.2		µg/kg wet	5.00	50.0		84	40-140		
delta-BHC	39.4		µg/kg wet	5.00	50.0		79	40-140		
delta-BHC [2C]	36.7		µg/kg wet	5.00	50.0		73	40-140		
gamma-BHC (Lindane)	45.6		µg/kg wet	5.00	50.0		91	50-120		
gamma-BHC (Lindane) [2C]	43.0		µg/kg wet	5.00	50.0		86	50-120		
Heptachlor	47.7		µg/kg wet	5.00	50.0		95	40-140		
Heptachlor [2C]	44.6		µg/kg wet	5.00	50.0		89	40-140		
Aldrin	43.8		µg/kg wet	5.00	50.0		88	40-140		
Aldrin [2C]	41.6		µg/kg wet	5.00	50.0		83	40-140		
Heptachlor epoxide	44.8		µg/kg wet	5.00	50.0		90	50-140		
Heptachlor epoxide [2C]	43.4		µg/kg wet	5.00	50.0		87	50-140		
Endosulfan I	45.6		µg/kg wet	5.00	50.0		91	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026448 - SW846 3545A										
LCS (1026448-BS1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-10					
Endosulfan I [2C]	45.8		µg/kg wet	5.00	50.0		92	40-140		
Dieldrin	45.5		µg/kg wet	5.00	50.0		91	40-130		
Dieldrin [2C]	44.8		µg/kg wet	5.00	50.0		90	40-130		
4,4'-DDE (p,p')	44.4		µg/kg wet	5.00	50.0		89	50-140		
4,4'-DDE (p,p') [2C]	41.8		µg/kg wet	5.00	50.0		84	50-140		
Endrin	45.8		µg/kg wet	8.00	50.0		92	50-120		
Endrin [2C]	44.7		µg/kg wet	8.00	50.0		89	50-120		
Endosulfan II	45.8		µg/kg wet	8.00	50.0		92	40-140		
Endosulfan II [2C]	44.5		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p')	44.5		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p') [2C]	46.4		µg/kg wet	8.00	50.0		93	40-140		
Endosulfan sulfate	43.0		µg/kg wet	8.00	50.0		86	50-120		
Endosulfan sulfate [2C]	44.1		µg/kg wet	8.00	50.0		88	50-120		
4,4'-DDT (p,p')	41.5		µg/kg wet	8.00	50.0		83	40-140		
4,4'-DDT (p,p') [2C]	37.5		µg/kg wet	8.00	50.0		75	40-140		
Methoxychlor	40.8		µg/kg wet	8.00	50.0		82	40-140		
Methoxychlor [2C]	37.0		µg/kg wet	8.00	50.0		74	40-140		
Endrin ketone	43.3		µg/kg wet	8.00	50.0		87	40-140		
Endrin ketone [2C]	46.4		µg/kg wet	8.00	50.0		93	40-140		
Endrin aldehyde	41.3		µg/kg wet	8.00	50.0		83	40-140		
Endrin aldehyde [2C]	42.4		µg/kg wet	8.00	50.0		85	40-140		
alpha-Chlordane	41.7		µg/kg wet	5.00	50.0		83	40-140		
alpha-Chlordane [2C]	41.0		µg/kg wet	5.00	50.0		82	40-140		
gamma-Chlordane	42.6		µg/kg wet	5.00	50.0		85	40-130		
gamma-Chlordane [2C]	41.7		µg/kg wet	5.00	50.0		83	40-130		
Alachlor	49.9		µg/kg wet	5.00	50.0		100	40-140		
Alachlor [2C]	47.3		µg/kg wet	5.00	50.0		95	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.3*		µg/kg wet		*20.0*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*20.0*		*98*	*30-150*		
LCS Dup (1026448-BSD1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-10					
alpha-BHC	44.0		µg/kg wet	5.00	50.0		88	40-140	1	30
alpha-BHC [2C]	44.8		µg/kg wet	5.00	50.0		90	40-140	5	30
beta-BHC	43.4		µg/kg wet	5.00	50.0		87	40-140	4	30
beta-BHC [2C]	43.1		µg/kg wet	5.00	50.0		86	40-140	2	30
delta-BHC	38.2		µg/kg wet	5.00	50.0		76	40-140	3	30
delta-BHC [2C]	37.5		µg/kg wet	5.00	50.0		75	40-140	2	30
gamma-BHC (Lindane)	44.7		µg/kg wet	5.00	50.0		89	50-120	2	30
gamma-BHC (Lindane) [2C]	44.8		µg/kg wet	5.00	50.0		90	50-120	4	30
Heptachlor	45.1		µg/kg wet	5.00	50.0		90	40-140	6	30
Heptachlor [2C]	45.6		µg/kg wet	5.00	50.0		91	40-140	2	30
Aldrin	42.3		µg/kg wet	5.00	50.0		85	40-140	3	30
Aldrin [2C]	42.0		µg/kg wet	5.00	50.0		84	40-140	1	30
Heptachlor epoxide	42.9		µg/kg wet	5.00	50.0		86	50-140	4	30
Heptachlor epoxide [2C]	43.5		µg/kg wet	5.00	50.0		87	50-140	0.3	30
Endosulfan I	43.7		µg/kg wet	5.00	50.0		87	40-140	4	30
Endosulfan I [2C]	45.2		µg/kg wet	5.00	50.0		90	40-140	1	30
Dieldrin	43.6		µg/kg wet	5.00	50.0		87	40-130	4	30
Dieldrin [2C]	44.9		µg/kg wet	5.00	50.0		90	40-130	0.3	30
4,4'-DDE (p,p')	42.4		µg/kg wet	5.00	50.0		85	50-140	5	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 1026448 - SW846 3545A										
LCS Dup (1026448-BSD1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-10					
4,4'-DDE (p,p') [2C]	41.7		µg/kg wet	5.00	50.0		83	50-140	0.2	30
Endrin	44.3		µg/kg wet	8.00	50.0		89	50-120	3	30
Endrin [2C]	47.0		µg/kg wet	8.00	50.0		94	50-120	5	30
Endosulfan II	43.9		µg/kg wet	8.00	50.0		88	40-140	4	30
Endosulfan II [2C]	43.8		µg/kg wet	8.00	50.0		88	40-140	2	30
4,4'-DDD (p,p')	42.9		µg/kg wet	8.00	50.0		86	40-140	4	30
4,4'-DDD (p,p') [2C]	44.6		µg/kg wet	8.00	50.0		89	40-140	4	30
Endosulfan sulfate	40.9		µg/kg wet	8.00	50.0		82	50-120	5	30
Endosulfan sulfate [2C]	42.9		µg/kg wet	8.00	50.0		86	50-120	3	30
4,4'-DDT (p,p')	40.4		µg/kg wet	8.00	50.0		81	40-140	3	30
4,4'-DDT (p,p') [2C]	39.7		µg/kg wet	8.00	50.0		79	40-140	6	30
Methoxychlor	38.9		µg/kg wet	8.00	50.0		78	40-140	5	30
Methoxychlor [2C]	37.6		µg/kg wet	8.00	50.0		75	40-140	2	30
Endrin ketone	41.2		µg/kg wet	8.00	50.0		82	40-140	5	30
Endrin ketone [2C]	45.4		µg/kg wet	8.00	50.0		91	40-140	2	30
Endrin aldehyde	38.7		µg/kg wet	8.00	50.0		77	40-140	7	30
Endrin aldehyde [2C]	41.0		µg/kg wet	8.00	50.0		82	40-140	3	30
alpha-Chlordane	39.1		µg/kg wet	5.00	50.0		78	40-140	6	30
alpha-Chlordane [2C]	39.8		µg/kg wet	5.00	50.0		80	40-140	3	30
gamma-Chlordane	40.7		µg/kg wet	5.00	50.0		81	40-130	5	30
gamma-Chlordane [2C]	41.6		µg/kg wet	5.00	50.0		83	40-130	0.2	30
Alachlor	48.0		µg/kg wet	5.00	50.0		96	40-140	4	30
Alachlor [2C]	47.7		µg/kg wet	5.00	50.0		95	40-140	0.8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Batch 1026472 - SW846 3535										
Blank (1026472-BLK1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
alpha-BHC	BRL		µg/l	0.029						
alpha-BHC [2C]	BRL		µg/l	0.029						
beta-BHC	BRL		µg/l	0.029						
beta-BHC [2C]	BRL		µg/l	0.029						
delta-BHC	BRL		µg/l	0.029						
delta-BHC [2C]	BRL		µg/l	0.029						
gamma-BHC (Lindane)	BRL		µg/l	0.029						
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.029						
Heptachlor	BRL		µg/l	0.029						
Heptachlor [2C]	BRL		µg/l	0.029						
Aldrin	BRL		µg/l	0.029						
Aldrin [2C]	BRL		µg/l	0.029						
Heptachlor epoxide	BRL		µg/l	0.029						
Heptachlor epoxide [2C]	BRL		µg/l	0.029						
Endosulfan I	BRL		µg/l	0.029						
Endosulfan I [2C]	BRL		µg/l	0.029						
Dieldrin	BRL		µg/l	0.029						
Dieldrin [2C]	BRL		µg/l	0.029						
4,4'-DDE (p,p')	BRL		µg/l	0.029						
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.029						
Endrin	BRL		µg/l	0.029						
Endrin [2C]	BRL		µg/l	0.029						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026472 - SW846 3535										
Blank (1026472-BLK1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
Endosulfan II	BRL		µg/l	0.029						
Endosulfan II [2C]	BRL		µg/l	0.029						
4,4'-DDD (p,p')	BRL		µg/l	0.029						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.029						
Endosulfan sulfate	BRL		µg/l	0.029						
Endosulfan sulfate [2C]	BRL		µg/l	0.029						
4,4'-DDT (p,p')	BRL		µg/l	0.029						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.029						
Methoxychlor	BRL		µg/l	0.029						
Methoxychlor [2C]	BRL		µg/l	0.029						
Endrin ketone	BRL		µg/l	0.029						
Endrin ketone [2C]	BRL		µg/l	0.029						
Endrin aldehyde	BRL		µg/l	0.029						
Endrin aldehyde [2C]	BRL		µg/l	0.029						
alpha-Chlordane	BRL		µg/l	0.029						
alpha-Chlordane [2C]	BRL		µg/l	0.029						
gamma-Chlordane	BRL		µg/l	0.029						
gamma-Chlordane [2C]	BRL		µg/l	0.029						
Toxaphene	BRL		µg/l	0.357						
Toxaphene [2C]	BRL		µg/l	0.357						
Chlordane	BRL		µg/l	0.071						
Chlordane [2C]	BRL		µg/l	0.071						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.240*		µg/l		*0.286*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.238*		µg/l		*0.286*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.221*		µg/l		*0.286*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.228*		µg/l		*0.286*		*80*	*30-150*		
LCS (1026472-BS1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
alpha-BHC	0.437		µg/l	0.020	0.500		87	40-140		
alpha-BHC [2C]	0.430		µg/l	0.020	0.500		86	40-140		
beta-BHC	0.444		µg/l	0.020	0.500		89	40-140		
beta-BHC [2C]	0.430		µg/l	0.020	0.500		86	40-140		
delta-BHC	0.381		µg/l	0.020	0.500		76	40-140		
delta-BHC [2C]	0.375		µg/l	0.020	0.500		75	40-140		
gamma-BHC (Lindane)	0.446		µg/l	0.020	0.500		89	50-120		
gamma-BHC (Lindane) [2C]	0.435		µg/l	0.020	0.500		87	50-120		
Heptachlor	0.426		µg/l	0.020	0.500		85	40-140		
Heptachlor [2C]	0.439		µg/l	0.020	0.500		88	40-140		
Aldrin	0.420		µg/l	0.020	0.500		84	40-140		
Aldrin [2C]	0.421		µg/l	0.020	0.500		84	40-140		
Heptachlor epoxide	0.427		µg/l	0.020	0.500		85	50-140		
Heptachlor epoxide [2C]	0.438		µg/l	0.020	0.500		88	50-140		
Endosulfan I	0.436		µg/l	0.020	0.500		87	40-140		
Endosulfan I [2C]	0.453		µg/l	0.020	0.500		91	40-140		
Dieldrin	0.432		µg/l	0.020	0.500		86	40-130		
Dieldrin [2C]	0.437		µg/l	0.020	0.500		87	40-130		
4,4'-DDE (p,p')	0.421		µg/l	0.020	0.500		84	50-140		
4,4'-DDE (p,p') [2C]	0.422		µg/l	0.020	0.500		84	50-140		
Endrin	0.446		µg/l	0.020	0.500		89	50-120		
Endrin [2C]	0.446		µg/l	0.020	0.500		89	50-120		
Endosulfan II	0.435		µg/l	0.020	0.500		87	40-140		
Endosulfan II [2C]	0.443		µg/l	0.020	0.500		89	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 1026472 - SW846 3535										
LCS (1026472-BS1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
4,4'-DDD (p,p')	0.424		µg/l	0.020	0.500		85	40-140		
4,4'-DDD (p,p') [2C]	0.469		µg/l	0.020	0.500		94	40-140		
Endosulfan sulfate	0.409		µg/l	0.020	0.500		82	50-120		
Endosulfan sulfate [2C]	0.425		µg/l	0.020	0.500		85	50-120		
4,4'-DDT (p,p')	0.379		µg/l	0.020	0.500		76	40-140		
4,4'-DDT (p,p') [2C]	0.329		µg/l	0.020	0.500		66	40-140		
Methoxychlor	0.363		µg/l	0.020	0.500		73	40-140		
Methoxychlor [2C]	0.326		µg/l	0.020	0.500		65	40-140		
Endrin ketone	0.405		µg/l	0.020	0.500		81	40-140		
Endrin ketone [2C]	0.450		µg/l	0.020	0.500		90	40-140		
Endrin aldehyde	0.373		µg/l	0.020	0.500		75	40-140		
Endrin aldehyde [2C]	0.413		µg/l	0.020	0.500		83	40-140		
alpha-Chlordane	0.374		µg/l	0.020	0.500		75	40-140		
alpha-Chlordane [2C]	0.378		µg/l	0.020	0.500		76	40-140		
gamma-Chlordane	0.404		µg/l	0.020	0.500		81	40-130		
gamma-Chlordane [2C]	0.418		µg/l	0.020	0.500		84	40-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.191*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/l		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.175*		µg/l		*0.200*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.174*		µg/l		*0.200*		*87*	*30-150*		
LCS Dup (1026472-BSD1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
alpha-BHC	0.422		µg/l	0.020	0.500		84	40-140	3	20
alpha-BHC [2C]	0.425		µg/l	0.020	0.500		85	40-140	1	20
beta-BHC	0.433		µg/l	0.020	0.500		87	40-140	2	20
beta-BHC [2C]	0.425		µg/l	0.020	0.500		85	40-140	1	20
delta-BHC	0.370		µg/l	0.020	0.500		74	40-140	3	20
delta-BHC [2C]	0.360		µg/l	0.020	0.500		72	40-140	4	20
gamma-BHC (Lindane)	0.431		µg/l	0.020	0.500		86	50-120	3	20
gamma-BHC (Lindane) [2C]	0.430		µg/l	0.020	0.500		86	50-120	1	20
Heptachlor	0.420		µg/l	0.020	0.500		84	40-140	1	20
Heptachlor [2C]	0.441		µg/l	0.020	0.500		88	40-140	0.5	20
Aldrin	0.410		µg/l	0.020	0.500		82	40-140	3	20
Aldrin [2C]	0.416		µg/l	0.020	0.500		83	40-140	1	20
Heptachlor epoxide	0.422		µg/l	0.020	0.500		84	50-140	1	20
Heptachlor epoxide [2C]	0.436		µg/l	0.020	0.500		87	50-140	0.4	20
Endosulfan I	0.431		µg/l	0.020	0.500		86	40-140	1	20
Endosulfan I [2C]	0.453		µg/l	0.020	0.500		91	40-140	0.2	20
Dieldrin	0.426		µg/l	0.020	0.500		85	40-130	1	20
Dieldrin [2C]	0.440		µg/l	0.020	0.500		88	40-130	0.5	20
4,4'-DDE (p,p')	0.417		µg/l	0.020	0.500		83	50-140	0.9	20
4,4'-DDE (p,p') [2C]	0.428		µg/l	0.020	0.500		86	50-140	1	20
Endrin	0.447		µg/l	0.020	0.500		89	50-120	0.1	20
Endrin [2C]	0.460		µg/l	0.020	0.500		92	50-120	3	20
Endosulfan II	0.434		µg/l	0.020	0.500		87	40-140	0.1	20
Endosulfan II [2C]	0.451		µg/l	0.020	0.500		90	40-140	2	20
4,4'-DDD (p,p')	0.416		µg/l	0.020	0.500		83	40-140	2	20
4,4'-DDD (p,p') [2C]	0.478		µg/l	0.020	0.500		96	40-140	2	20
Endosulfan sulfate	0.410		µg/l	0.020	0.500		82	50-120	0.3	20
Endosulfan sulfate [2C]	0.441		µg/l	0.020	0.500		88	50-120	4	20
4,4'-DDT (p,p')	0.380		µg/l	0.020	0.500		76	40-140	0.5	20
4,4'-DDT (p,p') [2C]	0.350		µg/l	0.020	0.500		70	40-140	6	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 1026472 - SW846 3535										
LCS Dup (1026472-BSD1)					Prepared: 21-Dec-10			Analyzed: 23-Dec-10		
Methoxychlor	0.371		µg/l	0.020	0.500		74	40-140	2	20
Methoxychlor [2C]	0.356		µg/l	0.020	0.500		71	40-140	9	20
Endrin ketone	0.403		µg/l	0.020	0.500		81	40-140	0.6	20
Endrin ketone [2C]	0.464		µg/l	0.020	0.500		93	40-140	3	20
Endrin aldehyde	0.377		µg/l	0.020	0.500		75	40-140	1	20
Endrin aldehyde [2C]	0.421		µg/l	0.020	0.500		84	40-140	2	20
alpha-Chlordane	0.372		µg/l	0.020	0.500		74	40-140	0.4	20
alpha-Chlordane [2C]	0.375		µg/l	0.020	0.500		75	40-140	0.7	20
gamma-Chlordane	0.400		µg/l	0.020	0.500		80	40-130	1	20
gamma-Chlordane [2C]	0.419		µg/l	0.020	0.500		84	40-130	0.2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.179*		µg/l		*0.200*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.179*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.188*		µg/l		*0.200*		*94*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025572 - SW846 3545A										
Blank (1025572-BLK1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Gasoline	BRL		mg/kg wet	6.6						
Fuel Oil #2	BRL		mg/kg wet	6.6						
Fuel Oil #4	BRL		mg/kg wet	6.6						
Fuel Oil #6	BRL		mg/kg wet	6.6						
Motor Oil	BRL		mg/kg wet	6.6						
Aviation Fuel	BRL		mg/kg wet	6.6						
Unidentified	BRL		mg/kg wet	6.6						
Other Oil	BRL		mg/kg wet	6.6						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	6.6						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	6.6						
Surrogate: 1-Chlorooctadecane	*2.09*		mg/kg wet		*1.67*		*126*	*50-150*		
LCS (1025572-BS1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
C9-C36 Aliphatic Hydrocarbons	34.5		mg/kg wet	6.6	46.7		74	60-120		
Surrogate: 1-Chlorooctadecane	*1.42*		mg/kg wet		*1.67*		*85*	*50-150*		
Duplicate (1025572-DUP1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Gasoline	BRL		mg/kg dry	13.9		BRL				50
Fuel Oil #2	BRL		mg/kg dry	13.9		BRL				50
Fuel Oil #4	BRL		mg/kg dry	13.9		BRL				50
Fuel Oil #6	BRL		mg/kg dry	13.9		BRL				50
Motor Oil	BRL		mg/kg dry	13.9		BRL				50
Aviation Fuel	BRL		mg/kg dry	13.9		BRL				50
Unidentified	BRL		mg/kg dry	13.9		BRL				50
Other Oil	BRL		mg/kg dry	13.9		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	13.9		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	13.9		BRL				50
Surrogate: 1-Chlorooctadecane	*1.84*		mg/kg dry		*1.75*		*106*	*50-150*		
Matrix Spike (1025572-MS1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
C9-C36 Aliphatic Hydrocarbons	64.9		mg/kg dry	13.6	95.5	BRL	68	50-150		
Surrogate: 1-Chlorooctadecane	*2.74*		mg/kg dry		*3.41*		*80*	*50-150*		
Matrix Spike Dup (1025572-MSD1)			**Source: SB22018-12**		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
C9-C36 Aliphatic Hydrocarbons	73.5		mg/kg dry	13.7	96.0	BRL	77	50-150	12	30
Surrogate: 1-Chlorooctadecane	*3.02*		mg/kg dry		*3.43*		*88*	*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 1025533 - SW846 3050B										
Blank (1025533-BLK1)						Prepared & Analyzed: 10-Dec-10				
Lead	BRL		mg/kg wet	1.41						
Arsenic	BRL		mg/kg wet	1.41						
Chromium	BRL		mg/kg wet	0.942						
Cadmium	BRL		mg/kg wet	0.471						
Reference (1025533-SRM1)						Prepared & Analyzed: 10-Dec-10				
Lead	63.2		mg/kg wet	1.50	61.9		102	83.3-116.7		
Arsenic	71.2		mg/kg wet	1.50	70.7		101	83.2-117.5		
Cadmium	43.4		mg/kg wet	0.500	43.9		99	84-115.9		
Chromium	87.1		mg/kg wet	1.00	86.7		100	81.5-117.9		
Reference (1025533-SRM2)						Prepared & Analyzed: 10-Dec-10				
Lead	58.8		mg/kg wet	1.50	60.9		96	83.3-116.7		
Cadmium	41.0		mg/kg wet	0.500	43.2		95	84-115.9		
Chromium	83.5		mg/kg wet	1.00	85.3		98	81.5-117.9		
Arsenic	66.2		mg/kg wet	1.50	69.6		95	83.2-117.5		
Batch 1025534 - EPA200/SW7000 Series										
Blank (1025534-BLK1)						Prepared: 10-Dec-10 Analyzed: 13-Dec-10				
Mercury	BRL		mg/kg wet	0.0284						
Reference (1025534-SRM1)						Prepared: 10-Dec-10 Analyzed: 13-Dec-10				
Mercury	2.11		mg/kg wet	0.300	1.98		107	71.4-128.6		
Batch 1025616 - SW846 3051										
Blank (1025616-BLK1)						Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	BRL		mg/kg wet	1.39						
Chromium	BRL		mg/kg wet	0.928						
Cadmium	BRL		mg/kg wet	0.464						
Arsenic	BRL		mg/kg wet	1.39						
Duplicate (1025616-DUP1)			**Source: SB22018-17**			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	39.8	QR9	mg/kg dry	1.88		31.7			23	20
Arsenic	2.01		mg/kg dry	1.88		1.72			16	20
Cadmium	0.420	J	mg/kg dry	0.626		0.424			1	20
Chromium	13.1		mg/kg dry	1.25		12.4			6	20
Matrix Spike (1025616-MS1)			**Source: SB22018-18**			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	198	QM8	mg/kg dry	1.50	125	117	65	75-125		
Arsenic	118		mg/kg dry	1.50	125	3.53	92	75-125		
Cadmium	117		mg/kg dry	0.499	125	0.791	93	75-125		
Chromium	130		mg/kg dry	0.998	125	27.8	82	75-125		
Matrix Spike Dup (1025616-MSD1)			**Source: SB22018-18**			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	253	QR9	mg/kg dry	1.72	143	117	95	75-125	24	20
Arsenic	135		mg/kg dry	1.72	143	3.53	92	75-125	14	20
Cadmium	136		mg/kg dry	0.572	143	0.791	94	75-125	15	20
Chromium	150		mg/kg dry	1.14	143	27.8	85	75-125	14	20
Post Spike (1025616-PS1)			**Source: SB22018-18**			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	4.32		mg/kg dry		2.50	2.13	87	80-120		
Arsenic	2.50		mg/kg dry		2.50	0.0642	98	80-120		
Cadmium	2.52		mg/kg dry		2.50	0.0144	100	80-120		
Chromium	2.68		mg/kg dry		2.50	0.507	87	80-120		
Reference (1025616-SRM1)						Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	57.0		mg/kg wet	1.50	60.5		94	83.3-116.7		
Arsenic	63.0		mg/kg wet	1.50	69.1		91	83.2-117.5		
Cadmium	38.4		mg/kg wet	0.500	42.8		90	84-115.9		
Chromium	80.8		mg/kg wet	1.00	84.7		95	81.5-117.9		

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 1025616 - SW846 3051										
Reference (1025616-SRM2)						Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Lead	58.6		mg/kg wet	1.50	60.0		98	83.3-116.7		
Chromium	83.8		mg/kg wet	1.00	84.0		100	81.5-117.9		
Arsenic	66.4		mg/kg wet	1.50	68.5		97	83.2-117.5		
Cadmium	40.4		mg/kg wet	0.500	42.5		95	84-115.9		
Batch 1025618 - EPA200/SW7000 Series										
Blank (1025618-BLK1)						Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Mercury	BRL		mg/kg wet	0.0282						
Duplicate (1025618-DUP1)			**Source: SB22018-17**			Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Mercury	0.0168	J	mg/kg dry	0.0375		0.0180			7	20
Matrix Spike (1025618-MS1)			**Source: SB22018-18**			Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Mercury	0.738		mg/kg dry	0.0342	0.475	0.267	99	75-125		
Matrix Spike Dup (1025618-MSD1)			**Source: SB22018-18**			Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Mercury	0.703		mg/kg dry	0.0326	0.453	0.267	96	75-125	5	20
Reference (1025618-SRM1)						Prepared: 10-Dec-10		Analyzed: 11-Dec-10		
Mercury	2.16		mg/kg wet	0.300	2.05		106	71.4-128.6		

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 1026676 - SW846 3010A										
Blank (1026676-BLK1)						Prepared: 22-Dec-10 Analyzed: 27-Dec-10				
Lead	BRL		mg/l	0.0150						
LCS (1026676-BS1)						Prepared: 22-Dec-10 Analyzed: 27-Dec-10				
Lead	2.72		mg/l	0.0150	2.50		109	85-115		
LCS Dup (1026676-BSD1)						Prepared: 22-Dec-10 Analyzed: 27-Dec-10				
Lead	2.73		mg/l	0.0150	2.50		109	85-115	0.1	20
Duplicate (1026676-DUP1)			Source: SB22018-18			Prepared: 22-Dec-10 Analyzed: 27-Dec-10				
Lead	0.0093	J,QR8	mg/l	0.0150		0.0154			49	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025476 - General Preparation										
Duplicate (1025476-DUP1)			**Source: SB22018-05**			Prepared & Analyzed: 09-Dec-10				
% Solids	75.4		%			74.0			2	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S005403				
Initial Cal Check (S005403-ICV1)				
C9-C36 Aliphatic Hydrocarbons	6.850074E+09	4.524503E+08	2.3	20
n-Nonadecane	4.195177E+08	4.201987E+08	0.2	20
n-Decane	4.08862E+08	4.521563E+08	10.6	20
n-Dodecane	4.117274E+08	4.457497E+08	8.3	20
n-Tetradecane	4.155285E+08	4.379405E+08	5.4	20
n-Hexadecane	4.203499E+08	4.338235E+08	3.2	20
n-Octadecane	4.21621E+08	4.262364E+08	1.1	20
n-Eicosane	4.193316E+08	4.148626E+08	-1.1	20
n-Docosane	4.237473E+08	4.129857E+08	-2.5	20
n-Tetracosane	4.178471E+08	4.016732E+08	-3.9	20
n-Hexacosane	4.22006E+08	4.057435E+08	-3.9	20
n-Octacosane	4.195247E+08	4.043477E+08	-3.6	20
n-Triacontane	4.199855E+08	4.00714E+08	-4.6	20
n-Hexatriacontane	4.055747E+08	3.322052E+08	-18.1	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S007511				
Initial Cal Check (S007511-ICV1)				
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.649844E+08	-6.4	20
n-Nonadecane	3.118836E+08	3.408254E+08	9.3	20
n-Decane	3.640612E+08	4.129839E+08	13.4	20
n-Dodecane	3.527321E+08	3.998741E+08	13.4	20
n-Tetradecane	3.397164E+08	3.841584E+08	13.1	20
n-Hexadecane	3.314656E+08	3.699703E+08	11.6	20
n-Octadecane	3.202466E+08	3.52018E+08	9.9	20
n-Eicosane	3.050734E+08	3.310766E+08	8.5	20
n-Docosane	2.957869E+08	3.194759E+08	8.0	20
n-Tetracosane	2.823141E+08	3.040151E+08	7.7	20
n-Hexacosane	2.802135E+08	3.009499E+08	7.4	20
n-Octacosane	2.757143E+08	2.96948E+08	7.7	20
n-Triacontane	2.752591E+08	2.981594E+08	8.3	20
n-Hexatriacontane	2.695419E+08	2.920603E+08	8.4	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S011115				
Calibration Check (S011115-CCV1)				
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.351986E+08	-16.4	20
n-Nonadecane	3.118836E+08	2.644845E+08	-15.2	20
n-Nonane	3.679696E+08	2.952802E+08	-19.8	20
n-Decane	3.640612E+08	2.918985E+08	-19.8	20
n-Dodecane	3.527321E+08	3.095932E+08	-12.2	20
n-Tetradecane	3.397164E+08	2.840971E+08	-16.4	20
n-Hexadecane	3.314656E+08	2.771928E+08	-16.4	20
n-Octadecane	3.202466E+08	2.722487E+08	-15.0	20
n-Eicosane	3.050734E+08	2.540068E+08	-16.7	20
n-Docosane	2.957869E+08	2.469782E+08	-16.5	20
n-Tetracosane	2.823141E+08	2.452542E+08	-13.1	20
n-Hexacosane	2.802135E+08	2.481124E+08	-11.5	20
n-Octacosane	2.757143E+08	2.465523E+08	-10.6	20
n-Triacontane	2.752591E+08	2.472781E+08	-10.2	20
n-Hexatriacontane	2.695419E+08	2.356003E+08	-12.6	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S011115				
Calibration Check (S011115-CCV2)				
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.697673E+08	-4.7	20
n-Nonadecane	3.118836E+08	3.241462E+08	3.9	20
n-Nonane	3.679696E+08	3.303758E+08	-10.2	20
n-Decane	3.640612E+08	3.069358E+08	-15.7	20
n-Dodecane	3.527321E+08	2.948136E+08	-16.4	20
n-Tetradecane	3.397164E+08	3.090015E+08	-9.0	20
n-Hexadecane	3.314656E+08	3.178467E+08	-4.1	20
n-Octadecane	3.202466E+08	3.241026E+08	1.2	20
n-Eicosane	3.050734E+08	3.244438E+08	6.3	20
n-Docosane	2.957869E+08	3.303584E+08	11.7	20
n-Tetracosane	2.823141E+08	3.282246E+08	16.3	20
n-Hexacosane	2.802135E+08	3.318779E+08	18.4	20
n-Octacosane	2.757143E+08	3.293867E+08	19.5	20
n-Triacontane	2.752591E+08	3.286302E+08	19.4	20
n-Hexatriacontane	2.695419E+08	3.064808E+08	13.7	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S011566			
Performance Mix (S011566-PEM1)			
4,4'-DDT (p,p')	1	2.5	15.0
Endrin	1	7.7	15.0
4,4'-DDT (p,p')	2	7.2	15.0
Endrin	2	13.8	15.0

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown		Limit
Batch S011036				
Performance Mix (S011036-PEM1)				
4,4'-DDT (p,p')	1	2.6		15.0
Endrin	1	1.7		15.0
4,4'-DDT (p,p')	2	2.3		15.0
Endrin	2	2.9		15.0
Performance Mix (S011036-PEM2)				
4,4'-DDT (p,p')	1	4.7		15.0
Endrin	1	2.7		15.0
4,4'-DDT (p,p')	2	9.2		15.0
Endrin	2	7.2		15.0
Batch S011505				
Performance Mix (S011505-PEM1)				
4,4'-DDT (p,p')	1	2.8		15.0
Endrin	1	6.9		15.0
4,4'-DDT (p,p')	2	6.7		15.0
Endrin	2	12.9		15.0
Performance Mix (S011505-PEM2)				
4,4'-DDT (p,p')	1	5.9		15.0
Endrin	1	3.8		15.0
4,4'-DDT (p,p')	2	7.5		15.0
Endrin	2	8.2		15.0
Performance Mix (S011505-PEM3)				
4,4'-DDT (p,p')	1	4.7		15.0
Endrin	1	7.6		15.0
4,4'-DDT (p,p')	2	14.0		15.0
Endrin	2	16.8	#	15.0

Notes and Definitions

HT2	This sample was received outside the EPA recommended holding time for the analysis specified.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or 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.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
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.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Diversified Technology Consultants

Project Location: NBHB - Union Station-Hartford, CT

Project Number: 09-188-02E

Sampling Date(s):
12/3/2010

Laboratory Sample ID(s):
SB22018-01 through SB22018-20

RCP Methods Used:

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

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: 12/28/2010

SBB 27018 (Bu)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
☒ Standard TAT - ~~7 to 10 business days~~ 5-day
☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Diversified Technology Consultants
2321 Whitney Ave
Hamden CT 06518
Telephone #: 203-239-4200
Project Mgr. Ethan Stewart

Invoice To: D.T.C.
P.O. No.: _____ RQN: 69555

Project No.: 09-188-02E
Site Name: NBHB- Union Station
Location: Hartford State: CT
Sampler(s): J. Andrew

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= Deionized Water 10= _____ 11= _____

List preservative code below: 7/9

QA/QC Reporting Notes:
* additional charges may apply.

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

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

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	ETPH	PAHs 8270	Ascr, Cr, Pb, Total Pb	Chl. pest 8081	PCBs 8082
8 L22701K-01	B-1 0.6-2.5'	12-3	0945	G	SO	3	1			*	*	*	*	*	*
02	B-1 4-6'	12-3	0955			3	1			*	*	*	*		*
03	B-1 6-8'	12-3	1000			3	1								
04	B-2 0.6-2'	12-3	1030			3	1			*	*	*	*	*	*
05	B-2 4-6'	12-3	1035			3	1			*	*	*	*		*
06	B-2 6-8'	12-3	1040			3	1								
07	B-2 8-10'	12-3	1045			3	1			*	*	*	*		
08	B-2 10-11'	12-3	1050			3	1								
09	B-3 0.9-3'	12-3	1120			3	1			*	*	*	*	*	*
10	B-3 4-6'	12-3	1125	↓	↓	3	1			*	*	*	*		*

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12/6/10	14:20	5.2
[signature]	[signature]	12/6/10	16:30	3.4

☐ EDD Format _____
☒ E-mail to ethan.stewart@tcandtc.com

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

SAS 22018

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☒ Standard TAT - ~~7 to 10 business days~~ 5 days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: D.T.C.

Telephone #:

Project Mgr. Ethan Stewart

Invoice To: D.T.C.

P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E

Site Name: NBHB- Union Station

Location: Hartford State: CT

Sampler(s): J. Andrew

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= Deionized Water 10= _____ 11= _____

List preservative code below: 7, 9

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC* ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	ETPH	PAHs 8270	Total Metals 6010	Chl. Pest. 8081	PCBs 8082			
22018-11	B-3 6-8'	12-3	1130	G	SO	3	1												
12	B-4 1-2.5'	12-3	1215		SO	3	1				*	*	*	*	*	*			
13	B-4 4-5'	12-3	1220		SO	3	1				*	*	*	*		*			
14	B-5 1-3'	12-3	1305		SO	3	1				*	*	*	*	*	*			
15	B-5 4-6'	12-3	1310		SO	3	1				*	*	*	*		*			
16	B-5 6-8'	12-3	1315		SO	3	1												
17	B-6 0.4-2'	12-3	1340		SO	3	1				*	*	*	*	*	*			
18	B-6 4-5'	12-3	1345		SO	3	1				*	*	*	*		*			
19	Duplicate-1	12-3			SO	3	1				*	*	*	*	*	*			
20	Trip Blank	12-3		*	X1	3					*								

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12/6/10	1:30	5.1
[signature]	[signature]	12/6/10	16:30	3.4

☐ EDD Format _____
☒ E-mail to ethan.stewart@teamdtc.com

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

SB 22018

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- [x] Standard TAT - ~~7 to 10 business days~~ 5 days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: D.T.C.

Telephone #:

Invoice To: D.T.C.

P.O. No.: RQN: 6955

Project No.: 09-188-02F
Site Name: NBHB- Union Station
Location: Hartford State: CT
Sampler(s): J. Andrew

Project Mgr. Ethan Stewart

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= Deionized Water 10= 11=

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

G=Grab C=Composite

List preservative code below: 7/9

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes [x] No ☐

QA/QC Reporting Level
[x] Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260	ETPH	PAHs 8270	Total Hg 245.5	Chl. Pest. 8081	PCBs 8082	Synth. Pb	Synth. Pb 1312/1311		
220R-11	B-3 6-8'	12-3	1130	G	SO	3	1			*	*	*	*	*	*				* added per client
12	B-4 1-2.5'	12-3	1215		SO	3	1			*	*	*	*		*	X			Email 12/9/10
13	B-4 4-5'	12-3	1220		SO	3	1			*	*	*	*	*	*		X		
14	B-5 1-3'	12-3	1305		SO	3	1			*	*	*	*	X	*				
15	B-5 4-6'	12-3	1310		SO	3	1												
16	B-5 6-8'	12-3	1315		SO	3	1			*	*	*	*	*	*				
17	B-6 0.4-2'	12-3	1340		SO	3	1			*	*	*	*		*	X			
18	B-6 4-5'	12-3	1345		SO	3	1			*	*	*	*	*	*				
19	Duplicate-1	12-3		*	X1	3				*									
20	Trip Blank	12-3																	

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12/6/10	14:30	5.1
		12/6/10	16:30	3.4

☐ EDD Format
[x] E-mail to ethan.stewart@tecolotc.com

☐ Ambient ☐ Iced [x] Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Report Date:
21-Dec-10 15:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Diversified Technology Consultants
2321 Whitney Ave., Hamden Center II
Hamden, CT 06518
Attn: Ethan Stewart

Project: NBHB - Union Station-Hartford, CT
Project #: 09-188-02E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB22331-01	B-3/GW	Ground Water	10-Dec-10 14:55	13-Dec-10 16:21
SB22331-02	B-6/GW	Ground Water	10-Dec-10 13:20	13-Dec-10 16:21
SB22331-03	Duplicate-2	Ground Water	10-Dec-10 00:00	13-Dec-10 16:21
SB22331-04	Field Blank	Deionized Water	10-Dec-10 15:30	13-Dec-10 16:21
SB22331-05	Trip Blank	Aqueous	10-Dec-10 00:00	13-Dec-10 16:21

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

NELAP ACCREDITED TNI LABORATORY

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 36 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).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 3.2 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.8 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

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

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

Several samples show higher concentrations for dissolved Barium compared to the total concentrations. These samples were field filtered and analyzed direct aspiration, confirming the results reported.

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

Samples:

SB22331-01 *B-3/GW*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Non-polar material (SGT-HEM)

SB22331-02 *B-6/GW*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Non-polar material (SGT-HEM)

SB22331-03 *Duplicate-2*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Non-polar material (SGT-HEM)

SB22331-04 *Field Blank*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Non-polar material (SGT-HEM)

EPA 624

Calibration:

1012004

Analyte quantified by quadratic equation type calibration.

cis-1,3-Dichloropropene
Dibromochloromethane
trans-1,3-Dichloropropene

EPA 624

Calibration:

1012004

This affected the following samples:

1026238-BLK1
1026238-BS1
1026238-BSD1
B-3/GW
B-6/GW
Duplicate-2
S010674-ICV1
S011298-CCV1

Samples:

S011298-CCV1

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

Bromomethane (-31.2%)

This affected the following samples:

1026238-BLK1
1026238-BS1
1026238-BSD1
B-3/GW
B-6/GW
Duplicate-2

SB22331-01 *B-3/GW*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SB22331-02 *B-6/GW*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SB22331-03 *Duplicate-2*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

EPA 625

Samples:

S011250-CCV1

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

Chrysene (28.8%)

This affected the following samples:

1025967-BLK1
1025967-BS1
1025967-BSD1
B-3/GW
B-6/GW
Duplicate-2

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3/GW	09-188-02E	Ground Water	10-Dec-10 14:55	13-Dec-10
SB22331-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS			R05									
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	50.0	5	EPA 624	17-Dec-10	17-Dec-10	naa	1026238	
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	5.0	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	"	"	"	"	"	
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
124-48-1	Dibromochloromethane	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
75-34-3	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
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	50.0	5	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-88-3	Toluene	5.0		µg/l	5.0	5	"	"	"	"	"	X
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
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
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3/GW	09-188-02E	Ground Water	10-Dec-10 14:55	13-Dec-10
SB22331-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by EPA 625												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	12.2		µg/l	5.00	1	EPA 625	15-Dec-10	16-Dec-10	ML	1025967	X
208-96-8	Acenaphthylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
86-73-7	Fluorene	7.82		µg/l	5.00	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	5.18		µg/l	5.00	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	6.66		µg/l	5.00	1	"	"	"	"	"	
91-20-3	Naphthalene	48.0		µg/l	5.00	1	"	"	"	"	"	X
85-01-8	Phenanthrene	12.7		µg/l	5.00	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*57*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*60*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by EPA 608												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	EPA 608	16-Dec-10	17-Dec-10	IMR	1026114	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	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides by EPA 608												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	"	16-Dec-10	18-Dec-10	"	1026115	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3/GW SB22331-01	09-188-02E	Ground Water	10-Dec-10 14:55	13-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides by EPA 608 Prepared by method SW846 3510C												
76-44-8	Heptachlor	BRL		µg/l	0.002	1	EPA 608	16-Dec-10	18-Dec-10	DS	1026115	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	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*139*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preserve		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	0.0562		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0202		mg/l	0.0050	1	"	"	"	"	"	X
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			EDT	1026012	
Soluble Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0050	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-39-3	Barium	0.117		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3/GW SB22331-01	09-188-02E	Ground Water	10-Dec-10 14:55	13-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Soluble Metals by EPA 200 Series Methods												
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026107	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026106	X
7440-66-6	Zinc	0.0231		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6/GW	09-188-02E	Ground Water	10-Dec-10 13:20	13-Dec-10
SB22331-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS			R05									
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	50.0	5	EPA 624	17-Dec-10	17-Dec-10	naa	1026238	
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	5.0	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	"	"	"	"	"	
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
124-48-1	Dibromochloromethane	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
75-34-3	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
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	50.0	5	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	5.0	5	"	"	"	"	"	X
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
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
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6/GW	09-188-02E	Ground Water	10-Dec-10 13:20	13-Dec-10
SB22331-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by EPA 625												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	18.2		µg/l	5.00	1	EPA 625	15-Dec-10	16-Dec-10	ML	1025967	X
208-96-8	Acenaphthylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
86-73-7	Fluorene	11.6		µg/l	5.00	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	7.73		µg/l	5.00	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	9.62		µg/l	5.00	1	"	"	"	"	"	
91-20-3	Naphthalene	66.7		µg/l	5.00	1	"	"	"	"	"	X
85-01-8	Phenanthrene	19.8		µg/l	5.00	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*75*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by EPA 608												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	EPA 608	16-Dec-10	17-Dec-10	IMR	1026114	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	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides by EPA 608												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	"	16-Dec-10	18-Dec-10	"	1026115	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6/GW	09-188-02E	Ground Water	10-Dec-10 13:20	13-Dec-10
SB22331-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides by EPA 608 Prepared by method SW846 3510C												
76-44-8	Heptachlor	BRL		µg/l	0.002	1	EPA 608	16-Dec-10	18-Dec-10	DS	1026115	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	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preserve(		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	0.0045		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	0.0683		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0200		mg/l	0.0050	1	"	"	"	"	"	X
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			EDT	1026012	
Soluble Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0050	1	EPA 200.7	16-Dec-10	17-Dec-10	TBG	1026106	X
7440-39-3	Barium	0.111		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6/GW SB22331-02	09-188-02E	Ground Water	10-Dec-10 13:20	13-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Soluble Metals by EPA 200 Series Methods												
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026107	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026106	X
7440-66-6	Zinc	0.0180		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-2	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10
SB22331-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS			R05									
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	50.0	5	EPA 624	17-Dec-10	17-Dec-10	naa	1026238	
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	5.0	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	"	"	"	"	"	
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
124-48-1	Dibromochloromethane	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
75-34-3	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
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	50.0	5	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	5.0	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"	X
108-88-3	Toluene	5.4		µg/l	5.0	5	"	"	"	"	"	X
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
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
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-2 SB22331-03	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by EPA 625 Prepared by method SW846 3510C												
83-32-9	Acenaphthene	18.1		µg/l	5.00	1	EPA 625	15-Dec-10	16-Dec-10	ML	1025967	X
208-96-8	Acenaphthylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
86-73-7	Fluorene	11.6		µg/l	5.00	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	7.41		µg/l	5.00	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	9.59		µg/l	5.00	1	"	"	"	"	"	
91-20-3	Naphthalene	67.5		µg/l	5.00	1	"	"	"	"	"	X
85-01-8	Phenanthrene	19.7		µg/l	5.00	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*78*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by EPA 608 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	EPA 608	16-Dec-10	17-Dec-10	IMR	1026114	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	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides by EPA 608 Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	"	16-Dec-10	18-Dec-10	"	1026115	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-2	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10
SB22331-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides by EPA 608												
Prepared by method SW846 3510C												
76-44-8	Heptachlor	BRL		µg/l	0.002	1	EPA 608	16-Dec-10	18-Dec-10	DS	1026115	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	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*34*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preservec		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	0.0708		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0319		mg/l	0.0050	1	"	"	"	"	"	X
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			EDT	1026012	
Soluble Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0050	1	EPA 200.7	16-Dec-10	17-Dec-10	TBG	1026106	X
7440-39-3	Barium	0.108		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	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
Duplicate-2 SB22331-03	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Soluble Metals by EPA 200 Series Methods												
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026107	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026106	X
7440-66-6	Zinc	0.0148		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Field Blank	09-188-02E	Deionized Water	10-Dec-10 15:30	13-Dec-10
SB22331-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	16-Dec-10	17-Dec-10	na	1026134	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	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	"	"	"	"	"	
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
124-48-1	Dibromochloromethane	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
75-34-3	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
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
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
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
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*	*101*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Field Blank	09-188-02E	Deionized Water	10-Dec-10 15:30	13-Dec-10
SB22331-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preservec		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0282		mg/l	0.0050	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	09-188-02E	Aqueous	10-Dec-10 00:00	13-Dec-10
SB22331-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	16-Dec-10	17-Dec-10	na	1026134	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	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	"	"	"	"	"	
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
124-48-1	Dibromochloromethane	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
75-34-3	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
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
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
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
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*	*99*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026134 - SW846 5030 Water MS										
Blank (1026134-BLK1)						Prepared & Analyzed: 16-Dec-10				
Acetone	BRL		µg/l	10.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
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						
Dibromochloromethane	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						
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						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	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						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*28.3*		µg/l		*30.0*		*94*	*70-130*		
LCS (1026134-BS1)						Prepared & Analyzed: 16-Dec-10				
Acetone	23.6		µg/l		20.0		118	70-130		
Benzene	19.1		µg/l		20.0		96	70-130		
Bromodichloromethane	17.7		µg/l		20.0		88	35-155		
Bromoform	15.5		µg/l		20.0		78	45-169		
Bromomethane	21.2		µg/l		20.0		106	1-242		
2-Butanone (MEK)	17.6		µg/l		20.0		88	70-130		
Carbon tetrachloride	16.6		µg/l		20.0		83	70-140		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026134 - SW846 5030 Water MS										
LCS (1026134-BS1)					Prepared & Analyzed: 16-Dec-10					
Chlorobenzene	20.0		µg/l		20.0		100	70-130		
Chloroethane	20.9		µg/l		20.0		105	14-230		
Chloroform	18.3		µg/l		20.0		92	51-138		
Chloromethane	20.4		µg/l		20.0		102	1-273		
Dibromochloromethane	16.4		µg/l		20.0		82	53-149		
1,2-Dichlorobenzene	19.7		µg/l		20.0		98	18-190		
1,3-Dichlorobenzene	19.8		µg/l		20.0		99	59-156		
1,4-Dichlorobenzene	19.4		µg/l		20.0		97	18-190		
1,1-Dichloroethane	20.1		µg/l		20.0		101	59-155		
1,2-Dichloroethane	17.3		µg/l		20.0		87	49-155		
1,1-Dichloroethene	19.7		µg/l		20.0		99	70-130		
cis-1,2-Dichloroethene	18.5		µg/l		20.0		92	70-130		
trans-1,2-Dichloroethene	19.4		µg/l		20.0		97	54-156		
1,2-Dichloropropane	18.5		µg/l		20.0		92	1-210		
cis-1,3-Dichloropropene	16.7		µg/l		20.0		84	1-227		
trans-1,3-Dichloropropene	16.4		µg/l		20.0		82	17-183		
Ethylbenzene	19.8		µg/l		20.0		99	37-162		
2-Hexanone (MBK)	19.2		µg/l		20.0		96	70-130		
Methyl tert-butyl ether	19.2		µg/l		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	17.9		µg/l		20.0		89	70-130		
Methylene chloride	19.8		µg/l		20.0		99	1-221		
Styrene	21.5		µg/l		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	20.2		µg/l		20.0		101	46-157		
Tetrachloroethene	17.0		µg/l		20.0		85	64-148		
Toluene	18.8		µg/l		20.0		94	70-130		
1,1,1-Trichloroethane	18.0		µg/l		20.0		90	52-162		
1,1,2-Trichloroethane	19.3		µg/l		20.0		96	52-150		
Trichloroethene	18.3		µg/l		20.0		91	71-157		
Trichlorofluoromethane (Freon 11)	21.2		µg/l		20.0		106	17-181		
Vinyl chloride	27.1		µg/l		20.0		135	1-251		
m,p-Xylene	39.7		µg/l		40.0		99	70-130		
o-Xylene	20.0		µg/l		20.0		100	70-130		
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.4*		µg/l		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/l		*30.0*		*96*	*70-130*		
LCS Dup (1026134-BSD1)					Prepared & Analyzed: 16-Dec-10					
Acetone	20.4		µg/l		20.0		102	70-130	15	30
Benzene	19.9		µg/l		20.0		99	70-130	4	30
Bromodichloromethane	18.2		µg/l		20.0		91	35-155	3	30
Bromoform	15.8		µg/l		20.0		79	45-169	2	30
Bromomethane	22.0		µg/l		20.0		110	1-242	3	30
2-Butanone (MEK)	16.9		µg/l		20.0		84	70-130	4	30
Carbon tetrachloride	17.2		µg/l		20.0		86	70-140	4	30
Chlorobenzene	20.6		µg/l		20.0		103	70-130	3	30
Chloroethane	21.9		µg/l		20.0		110	14-230	5	30
Chloroform	19.1		µg/l		20.0		96	51-138	4	30
Chloromethane	21.5		µg/l		20.0		107	1-273	5	30
Dibromochloromethane	16.8		µg/l		20.0		84	53-149	2	30
1,2-Dichlorobenzene	20.1		µg/l		20.0		101	18-190	2	30
1,3-Dichlorobenzene	20.3		µg/l		20.0		102	59-156	3	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026134 - SW846 5030 Water MS										
LCS Dup (1026134-BSD1)					Prepared & Analyzed: 16-Dec-10					
1,4-Dichlorobenzene	19.8		µg/l		20.0		99	18-190	2	30
1,1-Dichloroethane	21.0		µg/l		20.0		105	59-155	4	30
1,2-Dichloroethane	17.9		µg/l		20.0		89	49-155	3	30
1,1-Dichloroethene	20.2		µg/l		20.0		101	70-130	3	30
cis-1,2-Dichloroethene	19.6		µg/l		20.0		98	70-130	6	30
trans-1,2-Dichloroethene	20.4		µg/l		20.0		102	54-156	5	30
1,2-Dichloropropane	19.3		µg/l		20.0		96	1-210	4	30
cis-1,3-Dichloropropene	17.4		µg/l		20.0		87	1-227	4	30
trans-1,3-Dichloropropene	16.9		µg/l		20.0		84	17-183	3	30
Ethylbenzene	20.7		µg/l		20.0		104	37-162	5	30
2-Hexanone (MBK)	18.0		µg/l		20.0		90	70-130	7	30
Methyl tert-butyl ether	19.1		µg/l		20.0		96	70-130	0.4	30
4-Methyl-2-pentanone (MIBK)	17.5		µg/l		20.0		88	70-130	2	30
Methylene chloride	20.6		µg/l		20.0		103	1-221	4	30
Styrene	21.4		µg/l		20.0		107	70-130	0.6	30
1,1,2,2-Tetrachloroethane	20.5		µg/l		20.0		102	46-157	1	30
Tetrachloroethene	17.8		µg/l		20.0		89	64-148	4	30
Toluene	19.5		µg/l		20.0		98	70-130	4	30
1,1,1-Trichloroethane	18.5		µg/l		20.0		92	52-162	2	30
1,1,2-Trichloroethane	19.4		µg/l		20.0		97	52-150	0.7	30
Trichloroethene	18.6		µg/l		20.0		93	71-157	2	30
Trichlorofluoromethane (Freon 11)	21.7		µg/l		20.0		109	17-181	2	30
Vinyl chloride	28.2		µg/l		20.0		141	1-251	4	30
m,p-Xylene	40.6		µg/l		40.0		101	70-130	2	30
o-Xylene	20.7		µg/l		20.0		104	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/l		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.5*		µg/l		*30.0*		*95*	*70-130*		
Batch 1026238 - SW846 5030 Water MS										
Blank (1026238-BLK1)					Prepared & Analyzed: 17-Dec-10					
Acetone	BRL		µg/l	10.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
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						
Dibromochloromethane	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						
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						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
Blank (1026238-BLK1)						Prepared & Analyzed: 17-Dec-10				
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	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						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*26.8*		µg/l		*30.0*		*89*	*70-130*		
LCS (1026238-BS1)						Prepared & Analyzed: 17-Dec-10				
Acetone	15.9		µg/l		20.0		80	70-130		
Benzene	18.5		µg/l		20.0		93	70-130		
Bromodichloromethane	19.2		µg/l		20.0		96	35-155		
Bromoform	16.6		µg/l		20.0		83	45-169		
Bromomethane	15.2		µg/l		20.0		76	1-242		
2-Butanone (MEK)	21.6		µg/l		20.0		108	70-130		
Carbon tetrachloride	17.8		µg/l		20.0		89	70-140		
Chlorobenzene	16.8		µg/l		20.0		84	70-130		
Chloroethane	17.8		µg/l		20.0		89	14-230		
Chloroform	18.0		µg/l		20.0		90	51-138		
Chloromethane	14.5		µg/l		20.0		72	1-273		
Dibromochloromethane	18.0		µg/l		20.0		90	53-149		
1,2-Dichlorobenzene	19.1		µg/l		20.0		95	18-190		
1,3-Dichlorobenzene	17.4		µg/l		20.0		87	59-156		
1,4-Dichlorobenzene	18.1		µg/l		20.0		91	18-190		
1,1-Dichloroethane	17.3		µg/l		20.0		86	59-155		
1,2-Dichloroethane	18.5		µg/l		20.0		93	49-155		
1,1-Dichloroethene	18.3		µg/l		20.0		91	70-130		
cis-1,2-Dichloroethene	17.4		µg/l		20.0		87	70-130		
trans-1,2-Dichloroethene	16.9		µg/l		20.0		84	54-156		
1,2-Dichloropropane	18.2		µg/l		20.0		91	1-210		
cis-1,3-Dichloropropene	20.9		µg/l		20.0		104	1-227		
trans-1,3-Dichloropropene	21.9		µg/l		20.0		109	17-183		
Ethylbenzene	18.5		µg/l		20.0		93	37-162		
2-Hexanone (MBK)	21.2		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	24.7		µg/l		20.0		123	70-130		
4-Methyl-2-pentanone (MIBK)	23.8		µg/l		20.0		119	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
LCS (1026238-BS1)						Prepared & Analyzed: 17-Dec-10				
Methylene chloride	17.7		µg/l		20.0		89	1-221		
Styrene	18.9		µg/l		20.0		94	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/l		20.0		97	46-157		
Tetrachloroethene	16.4		µg/l		20.0		82	64-148		
Toluene	17.8		µg/l		20.0		89	70-130		
1,1,1-Trichloroethane	19.7		µg/l		20.0		98	52-162		
1,1,2-Trichloroethane	19.8		µg/l		20.0		99	52-150		
Trichloroethene	18.0		µg/l		20.0		90	71-157		
Trichlorofluoromethane (Freon 11)	17.5		µg/l		20.0		87	17-181		
Vinyl chloride	16.1		µg/l		20.0		81	1-251		
m,p-Xylene	37.7		µg/l		40.0		94	70-130		
o-Xylene	17.7		µg/l		20.0		88	70-130		
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*28.8*		µg/l		*30.0*		*96*	*70-130*		
LCS Dup (1026238-BSD1)						Prepared & Analyzed: 17-Dec-10				
Acetone	16.6		µg/l		20.0		83	70-130	4	30
Benzene	19.3		µg/l		20.0		96	70-130	4	30
Bromodichloromethane	19.9		µg/l		20.0		100	35-155	4	30
Bromoform	16.5		µg/l		20.0		82	45-169	1	30
Bromomethane	14.0		µg/l		20.0		70	1-242	8	30
2-Butanone (MEK)	19.4		µg/l		20.0		97	70-130	11	30
Carbon tetrachloride	18.4		µg/l		20.0		92	70-140	3	30
Chlorobenzene	18.0		µg/l		20.0		90	70-130	6	30
Chloroethane	19.6		µg/l		20.0		98	14-230	10	30
Chloroform	18.4		µg/l		20.0		92	51-138	2	30
Chloromethane	16.0		µg/l		20.0		80	1-273	10	30
Dibromochloromethane	18.8		µg/l		20.0		94	53-149	4	30
1,2-Dichlorobenzene	19.7		µg/l		20.0		99	18-190	3	30
1,3-Dichlorobenzene	17.7		µg/l		20.0		88	59-156	2	30
1,4-Dichlorobenzene	18.6		µg/l		20.0		93	18-190	3	30
1,1-Dichloroethane	18.0		µg/l		20.0		90	59-155	4	30
1,2-Dichloroethane	18.7		µg/l		20.0		94	49-155	1	30
1,1-Dichloroethene	19.3		µg/l		20.0		97	70-130	6	30
cis-1,2-Dichloroethene	18.9		µg/l		20.0		95	70-130	8	30
trans-1,2-Dichloroethene	18.3		µg/l		20.0		92	54-156	8	30
1,2-Dichloropropane	19.0		µg/l		20.0		95	1-210	5	30
cis-1,3-Dichloropropene	21.9		µg/l		20.0		110	1-227	5	30
trans-1,3-Dichloropropene	22.5		µg/l		20.0		113	17-183	3	30
Ethylbenzene	19.9		µg/l		20.0		99	37-162	7	30
2-Hexanone (MBK)	22.3		µg/l		20.0		112	70-130	5	30
Methyl tert-butyl ether	25.2		µg/l		20.0		126	70-130	2	30
4-Methyl-2-pentanone (MIBK)	24.5		µg/l		20.0		122	70-130	3	30
Methylene chloride	18.8		µg/l		20.0		94	1-221	6	30
Styrene	19.3		µg/l		20.0		96	70-130	2	30
1,1,2,2-Tetrachloroethane	19.7		µg/l		20.0		98	46-157	2	30
Tetrachloroethene	17.9		µg/l		20.0		89	64-148	9	30
Toluene	19.2		µg/l		20.0		96	70-130	7	30
1,1,1-Trichloroethane	20.7		µg/l		20.0		103	52-162	5	30
1,1,2-Trichloroethane	20.0		µg/l		20.0		100	52-150	1	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
LCS Dup (1026238-BSD1)					Prepared & Analyzed: 17-Dec-10					
Trichloroethene	19.2		µg/l		20.0		96	71-157	6	30
Trichlorofluoromethane (Freon 11)	18.4		µg/l		20.0		92	17-181	5	30
Vinyl chloride	19.4		µg/l		20.0		97	1-251	19	30
m,p-Xylene	38.0		µg/l		40.0		95	70-130	0.8	30
o-Xylene	19.0		µg/l		20.0		95	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/l		*30.0*		*96*	*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 1025967 - SW846 3510C										
Blank (1025967-BLK1)						Prepared & Analyzed: 15-Dec-10				
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
Naphthalene	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*23.0*		µg/l		*50.0*		*46*	*30-130*		
Surrogate: Terphenyl-dl4	*24.8*		µg/l		*50.0*		*50*	*30-130*		
LCS (1025967-BS1)						Prepared: 15-Dec-10 Analyzed: 16-Dec-10				
Acenaphthene	23.6		µg/l	5.00	25.0		94	40-140		
Acenaphthylene	24.4		µg/l	5.00	25.0		98	40-140		
Anthracene	25.3		µg/l	5.00	25.0		101	40-140		
Benzo (a) anthracene	26.3		µg/l	5.00	25.0		105	40-140		
Benzo (a) pyrene	25.0		µg/l	5.00	25.0		100	40-140		
Benzo (b) fluoranthene	22.0		µg/l	5.00	25.0		88	40-140		
Benzo (g,h,i) perylene	26.2		µg/l	5.00	25.0		105	40-140		
Benzo (k) fluoranthene	28.9		µg/l	5.00	25.0		115	40-140		
Chrysene	29.1		µg/l	5.00	25.0		117	40-140		
Dibenzo (a,h) anthracene	24.6		µg/l	5.00	25.0		98	40-140		
Fluoranthene	25.5		µg/l	5.00	25.0		102	40-140		
Fluorene	26.1		µg/l	5.00	25.0		105	40-140		
Indeno (1,2,3-cd) pyrene	25.0		µg/l	5.00	25.0		100	40-140		
1-Methylnaphthalene	23.7		µg/l	5.00	25.0		95	40-140		
2-Methylnaphthalene	21.8		µg/l	5.00	25.0		87	40-140		
Naphthalene	22.4		µg/l	5.00	25.0		90	40-140		
Phenanthrene	22.9		µg/l	5.00	25.0		92	40-140		
Pyrene	27.6		µg/l	5.00	25.0		111	40-140		
Surrogate: 2-Fluorobiphenyl	*26.4*		µg/l		*25.0*		*106*	*30-130*		
Surrogate: Terphenyl-dl4	*26.9*		µg/l		*25.0*		*107*	*30-130*		
LCS Dup (1025967-BSD1)						Prepared: 15-Dec-10 Analyzed: 16-Dec-10				
Acenaphthene	23.0		µg/l	5.00	25.0		92	40-140	3	200
Acenaphthylene	23.6		µg/l	5.00	25.0		95	40-140	3	200
Anthracene	24.2		µg/l	5.00	25.0		97	40-140	5	200
Benzo (a) anthracene	25.6		µg/l	5.00	25.0		102	40-140	3	200
Benzo (a) pyrene	24.3		µg/l	5.00	25.0		97	40-140	3	200
Benzo (b) fluoranthene	21.8		µg/l	5.00	25.0		87	40-140	0.6	200
Benzo (g,h,i) perylene	25.3		µg/l	5.00	25.0		101	40-140	4	200
Benzo (k) fluoranthene	27.0		µg/l	5.00	25.0		108	40-140	7	200
Chrysene	28.0		µg/l	5.00	25.0		112	40-140	4	200

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025967 - SW846 3510C										
LCS Dup (1025967-BSD1)						Prepared: 15-Dec-10 Analyzed: 16-Dec-10				
Dibenzo (a,h) anthracene	23.8		µg/l	5.00	25.0		95	40-140	4	200
Fluoranthene	24.9		µg/l	5.00	25.0		100	40-140	2	200
Fluorene	25.2		µg/l	5.00	25.0		101	40-140	4	200
Indeno (1,2,3-cd) pyrene	24.3		µg/l	5.00	25.0		97	40-140	3	200
1-Methylnaphthalene	23.3		µg/l	5.00	25.0		93	40-140	2	200
2-Methylnaphthalene	21.2		µg/l	5.00	25.0		85	40-140	3	200
Naphthalene	21.9		µg/l	5.00	25.0		88	40-140	2	200
Phenanthrene	21.8		µg/l	5.00	25.0		87	40-140	5	200
Pyrene	27.0		µg/l	5.00	25.0		108	40-140	2	200
Surrogate: 2-Fluorobiphenyl	*25.2*		µg/l		*25.0*		*101*	*30-130*		
Surrogate: Terphenyl-d14	*26.2*		µg/l		*25.0*		*105*	*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 1026114 - SW846 3510C										
Blank (1026114-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-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						
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)	*0.172*		µg/l		*0.200*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.188*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.223*		µg/l		*0.200*		*112*	*30-150*		
LCS (1026114-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Aroclor-1016	2.28		µg/l	0.200	2.50		91	50-114		
Aroclor-1016 [2C]	2.21		µg/l	0.200	2.50		88	50-114		
Aroclor-1260	2.21		µg/l	0.200	2.50		88	40-127		
Aroclor-1260 [2C]	1.98		µg/l	0.200	2.50		79	40-127		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.167*		µg/l		*0.200*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.176*		µg/l		*0.200*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.177*		µg/l		*0.200*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.200*		µg/l		*0.200*		*100*	*30-150*		
LCS Dup (1026114-BSD1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Aroclor-1016	2.35		µg/l	0.200	2.50		94	50-114	3	20
Aroclor-1016 [2C]	2.30		µg/l	0.200	2.50		92	50-114	4	20
Aroclor-1260	2.34		µg/l	0.200	2.50		93	40-127	5	20
Aroclor-1260 [2C]	2.04		µg/l	0.200	2.50		82	40-127	3	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.174*		µg/l		*0.200*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.186*		µg/l		*0.200*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.205*		µg/l		*0.200*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.194*		µg/l		*0.200*		*97*	*30-150*		
Batch 1026115 - SW846 3510C										
Blank (1026115-BLK1)						Prepared: 16-Dec-10 Analyzed: 18-Dec-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						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026115 - SW846 3510C										
Blank (1026115-BLK1)					Prepared: 16-Dec-10 Analyzed: 18-Dec-10					
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)	*0.195*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.192*		µg/l		*0.200*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
LCS (1026115-BS1)					Prepared: 16-Dec-10 Analyzed: 18-Dec-10					
alpha-BHC	0.461		µg/l	0.020	0.500		92	40-140		
alpha-BHC [2C]	0.446		µg/l	0.020	0.500		89	40-140		
beta-BHC	0.470		µg/l	0.020	0.500		94	40-140		
beta-BHC [2C]	0.461		µg/l	0.020	0.500		92	40-140		
delta-BHC	0.403		µg/l	0.020	0.500		81	40-140		
delta-BHC [2C]	0.396		µg/l	0.020	0.500		79	40-140		
gamma-BHC (Lindane)	0.476		µg/l	0.020	0.500		95	50-120		
gamma-BHC (Lindane) [2C]	0.455		µg/l	0.020	0.500		91	50-120		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026115 - SW846 3510C										
LCS (1026115-BS1)					Prepared: 16-Dec-10 Analyzed: 18-Dec-10					
Heptachlor	0.503		µg/l	0.020	0.500		101	40-140		
Heptachlor [2C]	0.479		µg/l	0.020	0.500		96	40-140		
Aldrin	0.452		µg/l	0.020	0.500		90	40-140		
Aldrin [2C]	0.438		µg/l	0.020	0.500		88	40-140		
Heptachlor epoxide	0.461		µg/l	0.020	0.500		92	50-140		
Heptachlor epoxide [2C]	0.457		µg/l	0.020	0.500		91	50-140		
Endosulfan I	0.472		µg/l	0.020	0.500		94	40-140		
Endosulfan I [2C]	0.476		µg/l	0.020	0.500		95	40-140		
Dieldrin	0.468		µg/l	0.020	0.500		94	40-130		
Dieldrin [2C]	0.475		µg/l	0.020	0.500		95	40-130		
4,4'-DDE (p,p')	0.460		µg/l	0.020	0.500		92	50-140		
4,4'-DDE (p,p') [2C]	0.454		µg/l	0.020	0.500		91	50-140		
Endrin	0.491		µg/l	0.040	0.500		98	50-120		
Endrin [2C]	0.514		µg/l	0.040	0.500		103	50-120		
Endosulfan II	0.474		µg/l	0.040	0.500		95	40-140		
Endosulfan II [2C]	0.465		µg/l	0.040	0.500		93	40-140		
4,4'-DDD (p,p')	0.458		µg/l	0.040	0.500		92	40-140		
4,4'-DDD (p,p') [2C]	0.485		µg/l	0.040	0.500		97	40-140		
Endosulfan sulfate	0.447		µg/l	0.040	0.500		89	50-120		
Endosulfan sulfate [2C]	0.453		µg/l	0.040	0.500		91	50-120		
4,4'-DDT (p,p')	0.443		µg/l	0.040	0.500		89	40-140		
4,4'-DDT (p,p') [2C]	0.411		µg/l	0.040	0.500		82	40-140		
Methoxychlor	0.446		µg/l	0.040	0.500		89	40-140		
Methoxychlor [2C]	0.404		µg/l	0.040	0.500		81	40-140		
Endrin ketone	0.442		µg/l	0.040	0.500		88	40-140		
Endrin ketone [2C]	0.456		µg/l	0.040	0.500		91	40-140		
Endrin aldehyde	0.436		µg/l	0.040	0.500		87	40-140		
Endrin aldehyde [2C]	0.434		µg/l	0.040	0.500		87	40-140		
alpha-Chlordane	0.436		µg/l	0.020	0.500		87	40-140		
alpha-Chlordane [2C]	0.431		µg/l	0.020	0.500		86	40-140		
gamma-Chlordane	0.437		µg/l	0.020	0.500		87	40-130		
gamma-Chlordane [2C]	0.440		µg/l	0.020	0.500		88	40-130		
Alachlor	0.527		µg/l	0.020	0.500		105	40-140		
Alachlor [2C]	0.494		µg/l	0.020	0.500		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.193*		µg/l		*0.200*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/l		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.181*		µg/l		*0.200*		*91*	*30-150*		
LCS Dup (1026115-BSD1)					Prepared: 16-Dec-10 Analyzed: 18-Dec-10					
alpha-BHC	0.471		µg/l	0.020	0.500		94	40-140	2	20
alpha-BHC [2C]	0.500		µg/l	0.020	0.500		100	40-140	11	20
beta-BHC	0.477		µg/l	0.020	0.500		95	40-140	2	20
beta-BHC [2C]	0.516		µg/l	0.020	0.500		103	40-140	11	20
delta-BHC	0.410		µg/l	0.020	0.500		82	40-140	2	20
delta-BHC [2C]	0.439		µg/l	0.020	0.500		88	40-140	10	20
gamma-BHC (Lindane)	0.486		µg/l	0.020	0.500		97	50-120	2	20
gamma-BHC (Lindane) [2C]	0.509		µg/l	0.020	0.500		102	50-120	11	20
Heptachlor	0.510		µg/l	0.020	0.500		102	40-140	1	20
Heptachlor [2C]	0.536		µg/l	0.020	0.500		107	40-140	11	20
Aldrin	0.462		µg/l	0.020	0.500		92	40-140	2	20
Aldrin [2C]	0.492		µg/l	0.020	0.500		98	40-140	12	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 1026115 - SW846 3510C										
LCS Dup (1026115-BSD1)						Prepared: 16-Dec-10 Analyzed: 18-Dec-10				
Heptachlor epoxide	0.468		µg/l	0.020	0.500		94	50-140	2	20
Heptachlor epoxide [2C]	0.515		µg/l	0.020	0.500		103	50-140	12	20
Endosulfan I	0.479		µg/l	0.020	0.500		96	40-140	1	20
Endosulfan I [2C]	0.542		µg/l	0.020	0.500		108	40-140	13	20
Dieldrin	0.474		µg/l	0.020	0.500		95	40-130	1	20
Dieldrin [2C]	0.540		µg/l	0.020	0.500		108	40-130	13	20
4,4'-DDE (p,p')	0.466		µg/l	0.020	0.500		93	50-140	1	20
4,4'-DDE (p,p') [2C]	0.523		µg/l	0.020	0.500		105	50-140	14	20
Endrin	0.496		µg/l	0.040	0.500		99	50-120	1	20
Endrin [2C]	0.593		µg/l	0.040	0.500		119	50-120	14	20
Endosulfan II	0.478		µg/l	0.040	0.500		96	40-140	0.8	20
Endosulfan II [2C]	0.539		µg/l	0.040	0.500		108	40-140	15	20
4,4'-DDD (p,p')	0.464		µg/l	0.040	0.500		93	40-140	1	20
4,4'-DDD (p,p') [2C]	0.567		µg/l	0.040	0.500		113	40-140	16	20
Endosulfan sulfate	0.453		µg/l	0.040	0.500		91	50-120	1	20
Endosulfan sulfate [2C]	0.535		µg/l	0.040	0.500		107	50-120	17	20
4,4'-DDT (p,p')	0.452		µg/l	0.040	0.500		90	40-140	2	20
4,4'-DDT (p,p') [2C]	0.482		µg/l	0.040	0.500		96	40-140	16	20
Methoxychlor	0.440		µg/l	0.040	0.500		88	40-140	1	20
Methoxychlor [2C]	0.486		µg/l	0.040	0.500		97	40-140	18	20
Endrin ketone	0.449		µg/l	0.040	0.500		90	40-140	2	20
Endrin ketone [2C]	0.540		µg/l	0.040	0.500		108	40-140	17	20
Endrin aldehyde	0.423		µg/l	0.040	0.500		85	40-140	3	20
Endrin aldehyde [2C]	0.505		µg/l	0.040	0.500		101	40-140	15	20
alpha-Chlordane	0.429		µg/l	0.020	0.500		86	40-140	2	20
alpha-Chlordane [2C]	0.462		µg/l	0.020	0.500		92	40-140	7	20
gamma-Chlordane	0.443		µg/l	0.020	0.500		89	40-130	1	20
gamma-Chlordane [2C]	0.497		µg/l	0.020	0.500		99	40-130	12	20
Alachlor	0.530		µg/l	0.020	0.500		106	40-140	0.5	20
Alachlor [2C]	0.544		µg/l	0.020	0.500		109	40-140	10	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.197*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/l		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.191*		µg/l		*0.200*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.221*		µg/l		*0.200*		*111*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025966 - SW846 3510C										
Blank (1025966-BLK1)						Prepared: 15-Dec-10 Analyzed: 16-Dec-10				
Non-polar material (SGT-HEM)	BRL		mg/l	1.0						
LCS (1025966-BS1)						Prepared: 15-Dec-10 Analyzed: 16-Dec-10				
Non-polar material (SGT-HEM)	42.1		mg/l		48.6		87	83-101		

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 1026084 - EPA 200 Series										
Blank (1026084-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	BRL		mg/l	0.0075						
Zinc	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Arsenic	BRL		mg/l	0.0040						
LCS (1026084-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Zinc	1.37		mg/l	0.0050	1.25		109	85-115		
Lead	1.29		mg/l	0.0075	1.25		103	85-115		
Copper	1.35		mg/l	0.0050	1.25		108	85-115		
Chromium	1.30		mg/l	0.0050	1.25		104	85-115		
Cadmium	1.32		mg/l	0.0025	1.25		106	85-115		
Barium	1.28		mg/l	0.0050	1.25		102	85-115		
Arsenic	1.30		mg/l	0.0040	1.25		104	85-115		
Batch 1026085 - EPA200/SW7000 Series										
Blank (1026085-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020						
LCS (1026085-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00510		mg/l	0.00020	0.00500		102	85-115		

Soluble 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 1026106 - EPA 200 Series										
Blank (1026106-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	BRL		mg/l	0.0075						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0050						
LCS (1026106-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.26		mg/l	0.0075	1.25		100	85-115		
Copper	1.31		mg/l	0.0050	1.25		104	85-115		
Chromium	1.26		mg/l	0.0050	1.25		101	85-115		
Cadmium	1.30		mg/l	0.0025	1.25		104	85-115		
Arsenic	1.27		mg/l	0.0050	1.25		101	85-115		
Batch 1026107 - EPA200/SW7000 Series										
Blank (1026107-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020						
LCS (1026107-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00504		mg/l	0.00020	0.00500		101	85-115		
Batch 1026536 - 200.7/No digestion										
Blank (1026536-BLK1)						Prepared & Analyzed: 21-Dec-10				
Zinc	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0100						
LCS (1026536-BS1)						Prepared & Analyzed: 21-Dec-10				
Zinc	5.16		mg/l	0.0100	5.00		103	85-115		
Barium	4.97		mg/l	0.0100	5.00		99	85-115		

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S011330			
Performance Mix (S011330-PEM1)			
4,4'-DDT (p,p')	1	2.6	20.0
Endrin	1	2.9	20.0
4,4'-DDT (p,p')	2	5.4	20.0
Endrin	2	5.3	20.0
Performance Mix (S011330-PEM2)			
4,4'-DDT (p,p')	1	4.8	20.0
Endrin	1	3.5	20.0
4,4'-DDT (p,p')	2	9.2	20.0
Endrin	2	6.6	20.0

Notes and Definitions

R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

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

SAS 22331 (12)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT ~~7 to 10 business days~~ 5-day
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Diversified Technology Consultants
2321 Whitney Ave
Hamden CT 06518
Telephone #: 203-239-4200
Project Mgr. Ethan Stewart

Invoice To: D.T.C.

P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E
Site Name: UBHB- Union
Location: Hartford State: CT
Sampler(s): J. Andrew

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= Deionized Water 10= _____ 11= _____

List preservative code below: 2 | | | | | 4 | 4

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= DI H_2O X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
- [x] Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER V*
- ☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 624	TPH 1664	PAHs 625	Chlorest 608	PCBs 608	Total RCRA-5 & Cu, Zn	Dissolved RCRA-5 & Cu, Zn		
SAS 22331-01	B-3/GW	12-10	1455	G	GW	2	4		2		*	*	*	*	*	*	*		
02	B-6/GW	12-10	1320	G	GW	2	4		2		*	*	*	*	*	*	*		* Dissolved metals
03	Duplicate-2	12-10		G	GW	2	4		2		*	*	*	*	*	*	*		were field-
04	Field Blank	12-10	1530	G	X1	2	1		1		*	*				*			filtered *
05	Trip Blank					2					*								

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12-13-10	10:20	3.2
[signature]	[signature]	12/13/10	1621	1.8

☐ EDD Format _____
☒ E-mail to ethan.stewart@teamatc.com

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