TASK 210 Subsurface Site Investigation

New Britain to Hartford Busway
Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

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

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ON-CALL ENVIRONMENTAL SERVICES
ConnDOT Project No. 171-305
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 PROJECT

KANE STREET STATION

150 to 152 NEW PARK AVENUE

HARTFORD, CONNECTICUT

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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 4

3.1 Soil Boring Advancement and Sampling 4
3.2 Groundwater Grab Sample Collection 4

4.0 REGULATORY CRITERIA 5

4.1 Soil Criteria 5
4.2 Groundwater Criteria 5

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 Locations

TABLES

Table 1 Soil Sample Analytical Results
Table 2 Groundwater Sample Analytical Results

APPENDICES

Appendix A Soil Boring Logs
Appendix B Soil & Groundwater Analytical Laboratory Report

1.0 INTRODUCTION

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) in association with the proposed Kane Street Station for the New Britain to Hartford Busway Project. ConnDOT is proposing to construct a bus station on a portion of the properties known as 150 and 152 New Park Avenue (Figure 1). The 152 New Park Avenue property is a vacant parcel previously utilized as a commuter parking lot and 150 New Park Avenue is a large parcel containing a Stop and Shop grocery store. The Task 210 SSI was limited to the areas 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 project parcels are owned by the State of Connecticut and consist of undeveloped and slightly overgrown land.

The SSI included the advancement of eleven soil borings in order to collect soil and groundwater grab samples, analysis of twenty-three soil samples and one groundwater grab sample, 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

A Task 120 – Preliminary Site Evaluation report was prepared for ConnDOT by Baker Engineering NY, Inc. in July 2003. The Task 120 indicated that the Stop and Shop property (150 New Park Avenue) was formerly the site of the Royal Typewriter Company. Prior to the construction of the onsite supermarket in 1994, an extensive environmental cleanup occurred on the property, which included soil removal and groundwater remediation. The soil and groundwater at the property were impacted with volatile organic compounds (VOCs).

1.3 Scope of Work

DTC completed this Task 210 SSI in accordance with DTC's Task 210 Work Plan, dated July 8, 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 eleven 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 23 soil samples for the following:
    - Volatile organic compounds (VOCs) by EPA Method 8260;

- Extractable total petroleum hydrocarbons (ETPH) by Connecticut DEP method;
- Chlorinated pesticides by EPA Method 8081A;
- Polychlorinated biphenyls (PCBs) by EPA Method 8082;
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270;
- Total metals (arsenic, cadmium, chromium, mercury, and lead); and
- Leachable metals (arsenic, cadmium, chromium, lead) by the Synthetic Precipitation Leaching Procedure (SPLP).

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

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the DEP's "Environmental GIS Data for Connecticut" (updated August, 2010), the surficial deposits underlying the site consist of fine deposits (silts and clays).

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

2.2 Bedrock Geology

According to the "Bedrock Geology Map of Connecticut" (Rodgers, 1985), the site is described as underlain by Portland Arkose; a red-brown arkosic sandstone. No bedrock outcrops were observed at the site.

2.3 Groundwater

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

Based on the site's location (the South Branch of the Park River is located approximately 1,400 to the east), groundwater likely flows in an easterly 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 in only one boring at approximately 14 feet below grade. In addition, the groundwater recharge rate was very slow due to the tight, silty soil.

2.4 Surface Water

The South Branch of the Park River lies approximately 1,400 east of the site. According to the above referenced DEP GIS data, the South Branch of the Park River is classified as a class "C/B" surface water body. Class "C/B" surface water is not considered suitable for one or more Class "B" uses, which include fish and wildlife habitat, industrial uses, and navigation, due to pollution.

2.5 Drinking Water Supply

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

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the completion of eight soil borings and the collection and laboratory analysis of 23 soil samples and 1 groundwater grab sample.

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 program was completed on July 19, 2010.

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

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

3.1 Soil Boring Advancement and Sampling

Eleven soil borings, identified as KSB-1 through KSB-11, were completed within the proposed construction limits of the Kane Street station utilizing a truck-mounted Geoprobe® rig to a depth of 12 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.

Twenty-three samples, including one duplicate soil sample, were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, MA, a State of Connecticut Department of Public Health certified environmental testing laboratory, using proper preservation techniques and chain of custody control.

3.2 Groundwater Grab Sample Collection

One groundwater grab sample, identified as KSB-10 GW, was collected from boring KSB-10, which was the only location where sufficient groundwater was encountered for sampling. The groundwater grab sample was collected by temporarily installing ½-inch PVC screen into the open borehole. Dedicated polyethylene tubing was placed down the well screen and the groundwater was pumped to the surface utilizing a variable speed peristaltic pump with dedicated neoprene tubing. Prior to sampling, the well was purged at a low-flow volume rate until all visible sediment was removed from the temporary well. The groundwater was then pumped at a low-flow volume rate into pre-preserved sample containers provided by the laboratory. Upon collection, the groundwater samples were immediately placed in a cooler with ice. The samples were submitted to Spectrum using proper preservation techniques and chain of custody control.

4.0 REGULATORY CRITERIA

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

The RSRs were developed by the DEP to define the remediation performance standards for soil and groundwater, specific numeric cleanup criteria, and processes for establishing alternative site-specific standards. The RSRs apply specifically to sites at which remedial actions are required by the DEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

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

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

4.1 Soil Criteria

Direct Exposure Criteria (DEC)

The DEC are designed to protect human health from risks associated with exposure to pollutants in contaminated soil within 15 feet of the ground surface. For this site, the soil analytical results were compared to the RES DEC.

Pollutant Mobility Criteria (PMC)

The PMC are designed to protect groundwater quality by reducing or eliminating the potential for migration of pollutants to groundwater from contaminated soil. The RSRs provide two sets of PMC based on the groundwater classification of the site, as designated by DEP. In a "GB" groundwater classification area, the GB PMC apply to soil located from the ground surface to the depth of the seasonal high water table.

4.2 Groundwater Criteria

Surface Water Protection Criteria (SWPC)

The SWPC apply to groundwater that discharges to surface water. The goal of the SWPC is to preserve surface water quality to protect both human health and the environment. Groundwater at the site likely discharges to the South Branch of the Park River. Therefore, DTC compared the groundwater analytical results to the SWPC.

Groundwater Volatilization Criteria (GWVC)

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

Groundwater Remediation Wastewater Discharge Directly to Surface Water Permit Limits

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

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

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

ETPH

All 23 soil samples were analyzed for petroleum hydrocarbons utilizing the ETPH method. Petroleum hydrocarbons were detected in the soil samples at concentrations ranging from Below Reporting Limits (BRL) to 433 parts per million (ppm). None of the soil samples contained petroleum hydrocarbons at concentrations that exceed any applicable RSR criteria.

Volatile Organic Compounds (VOCs)

All 23 soil samples were analyzed for VOCs. The VOC vinyl chloride was detected in the KSB-7 (8-12') sample (3.05 ppm) and the KSB-8 (6-8') sample (2.1 ppm) at concentrations that exceed the GB PMC of 0.4 ppm, Residential DEC of 0.32 ppm, and Commercial/Industrial DEC of 3 ppm. In addition, very low concentrations of the VOCs acetone, cis-1,2-dichloroethene, naphthalene, toluene, tetrahydrofuran, trichloroethene, and vinyl chloride were detected in the soil samples collected from the remaining borings throughout the site. However, no other samples contained VOCs at concentrations that exceed any applicable RSR criteria.

PAHs

All 23 soil samples were analyzed for PAHs. Varying concentrations of PAHs were detected in the soil samples throughout the project area. The KSB-6 (2-4') sample contained the PAHs benzo(a)pyrene (1.49 ppm), benzo(b)fluoranthene (1.26 ppm), and benzo(k)fluoranthene (1.05 ppm) at concentrations that exceed their respective Residential DEC, Commercial/Industrial DEC, and GB PMC. The KSB-10 (2-4') sample contained the PAHs benzo(a)anthracene (2.33 ppm), benzo(a)pyrene (2.71 ppm), benzo(b)fluoranthene (2.11 ppm), benzo(k)fluoranthene (2.16 ppm), chrysene (2.19 ppm), and indeno(1,2,3-cd)pyrene (1.46 ppm) at concentrations that exceed their respective Residential DEC, Commercial/Industrial DEC, and GB PMC. Also, the KSB-11 (2-4') sample contained the PAHs benzo(a)anthracene (1.87 ppm), benzo(a)pyrene (2.27 ppm), benzo(b)fluoranthene (1.92 ppm), benzo(k)fluoranthene (2.2 ppm), chrysene (2.1 ppm), and indeno(1,2,3-cd)pyrene (1.11 ppm) at elevated concentrations that exceed their respective Residential DEC, Commercial/Industrial DEC, and GB PMC.

No other soil sample contained PAHs at concentrations that exceed any applicable RSR criteria.

Pesticides

All 23 soil samples were analyzed for chlorinated pesticides. None of the soil samples contained detectable concentrations of chlorinated pesticides.

PCBs

All 23 soil samples were analyzed for PCBs. None of the soil samples contained detectable concentrations of PCBs.

Metals

All 23 soil samples were analyzed for total metals including arsenic, cadmium, chromium, mercury, and lead. The KSB-11 (2-4') sample contained total arsenic (27.9 ppm) at a concentration that exceeds its Residential and Commercial/Industrial DEC of 10 ppm. No other soil sample contained total metals at concentrations that exceed any applicable RSR criteria.

Based upon the results of the total metals analyses, selected soil samples were also analyzed for leachable arsenic, cadmium, chromium, and lead. None of the soil samples contained detectable concentrations of leachable metals.

5.2 Groundwater Sample Analytical Results

One groundwater grab sample denoted as KSB-10 GW was submitted for laboratory analysis for VOCs, ETPH, PAHs, chlorinated pesticides, PCBs, and total metals (arsenic, cadmium, chromium, mercury, and lead). Groundwater analytical results are summarized in Table 2, along with the regulatory criteria. The groundwater laboratory analytical report is included as Appendix B. The groundwater analytical results are summarized below.

ETPH, Pesticides, PCBs, & Metals

The KSB-10 GW sample did not contain detectable concentrations of petroleum hydrocarbons, pesticides, PCBs, and total metals.

Volatile Organic Compounds (VOCs)

The KSB-10 GW sample contained the VOCs toluene (1.5 parts per billion [ppb]) and trichloroethene (9.8 ppb) at low concentrations that do not exceed any applicable RSR or discharge permit criteria.

PAHs

The KSB-10 GW sample contained low concentrations of the PAHs 1-methylnaphthalene (0.3 ppb) and 2-methylnaphthalene (0.467 ppb), which do not exceed any applicable RSR or discharge permit criteria.

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

Soil

As part of the QA/QC protocol, DTC submitted a duplicate soil sample (KSB-9 6'-8' DUP) for laboratory analyses. The results of the KSB-9 (6-8') and KSB-9 6-8' DUP samples were comparable and within acceptable QA/QC ranges. In addition, DTC thoroughly reviewed the QA/QC report included with the laboratory analytical report to evaluate the reliability of the analytical data. Based on the information provided in the laboratory QA/QC report, the analytical data appears to be reliable. Please refer to the analytical report for a detailed narrative discussion of the reliability of the data.

Groundwater

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

In addition, a trip blank sample (TB-1) 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, to use the soil and groundwater analytical data from the borings 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 July 19, 2010 included the completion of eleven soil borings, and collection and laboratory analysis of 23 soil samples and 1 groundwater grab sample.

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

Based on the findings of this Task 210 SSI, DTC identified one Area of Environmental Concern (AOEC) where contaminants are present in the soil at concentrations that exceed applicable DEP RSR criteria. In addition, due to the widespread presence of low concentrations of contaminants, the remaining portion of the project site would be considered a Low-Level Area of Environmental Concern (LLAOEC), where contaminants were detected at concentrations below applicable RSR criteria, but above laboratory detection limits. Groundwater was not impacted with contaminants that would require special handling during the construction phase of the project. The following summarizes the locations of the soil AOEC and LLAOEC within the project area.

Soil Area of Environmental Concern

AOEC #1: Borings KSB-6, KSB-7, KSB-8, KSB-10, & KSB-11

The analytical results from the soil samples collected from borings KSB-6, KSB-7, KSB-8, KSB-10, and KSB-11, ranging from 2 to 12 feet below grade, indicate the presence of VOCs, PAHs, and/or total arsenic at elevated concentrations. The concentrations exceed the GB PMC, Residential DEC and/or the Commercial/Industrial DEC.

Low Level Area of Environmental Concern

The analytical results from the remaining portion of the project area indicate the presence of VOCs, petroleum hydrocarbons, and PAHs at low concentrations that do not exceed any applicable RSR criteria. The contamination was detected in soil ranging from 2 to 8 feet below grade. Based upon this, the remaining portion of the site outside of AOEC #1 has been designated as a Low Level 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 Task 310 Plans and Specifications be prepared to address the construction activities within the Area of Environmental Concern and Low Level Area of Environmental Concern discussed above.

7.0 LIMITATIONS

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

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

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

The conclusions summarized herein are based on the observations and investigations described within this report. Future events at the site or surrounding properties may alter these findings.

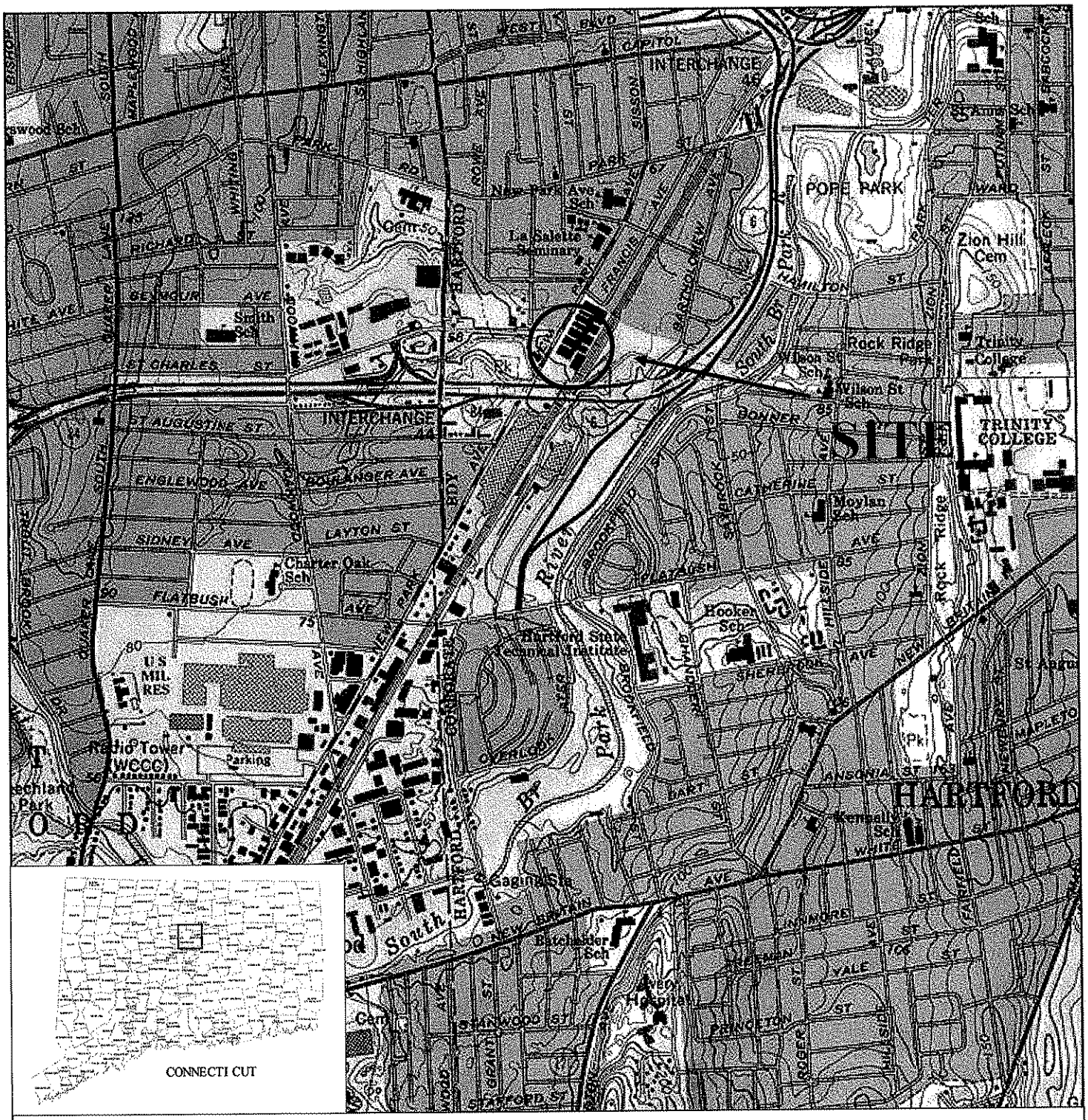
In completing this Task 210 SSI, DTC has relied upon information provided by subcontractors (i.e. laboratories and drilling contractors). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness of the information provided.

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

8.0 REFERENCES

1. State of Connecticut Department of Environmental Protection (DEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, effective January 30, 1996. Proposed Revisions, Connecticut's Remediation Standard Regulations, Volatilization Criteria, dated March 2003.
2. DEP, "Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria", dated October 24, 2005.
3. DEP, "Regulated Criteria Summary Table", CTDEP website, October 11, 2007.
4. DEP, "Environmental GIS Data", updated August 2010.
5. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2003.
6. Rogers, J. "Connecticut Bedrock and Natural History Survey", Connecticut Geological and Natural History Survey, Department of the Interior United States Geological Survey, 1985.

FIGURES



ConnDOT PROJECT No. 171-305
NEW BRITAIN TO HARTFORD BUSWAY
KANE STREET STATION
HARTFORD, CONNECTICUT

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

Hartford North Quadrangle No.37
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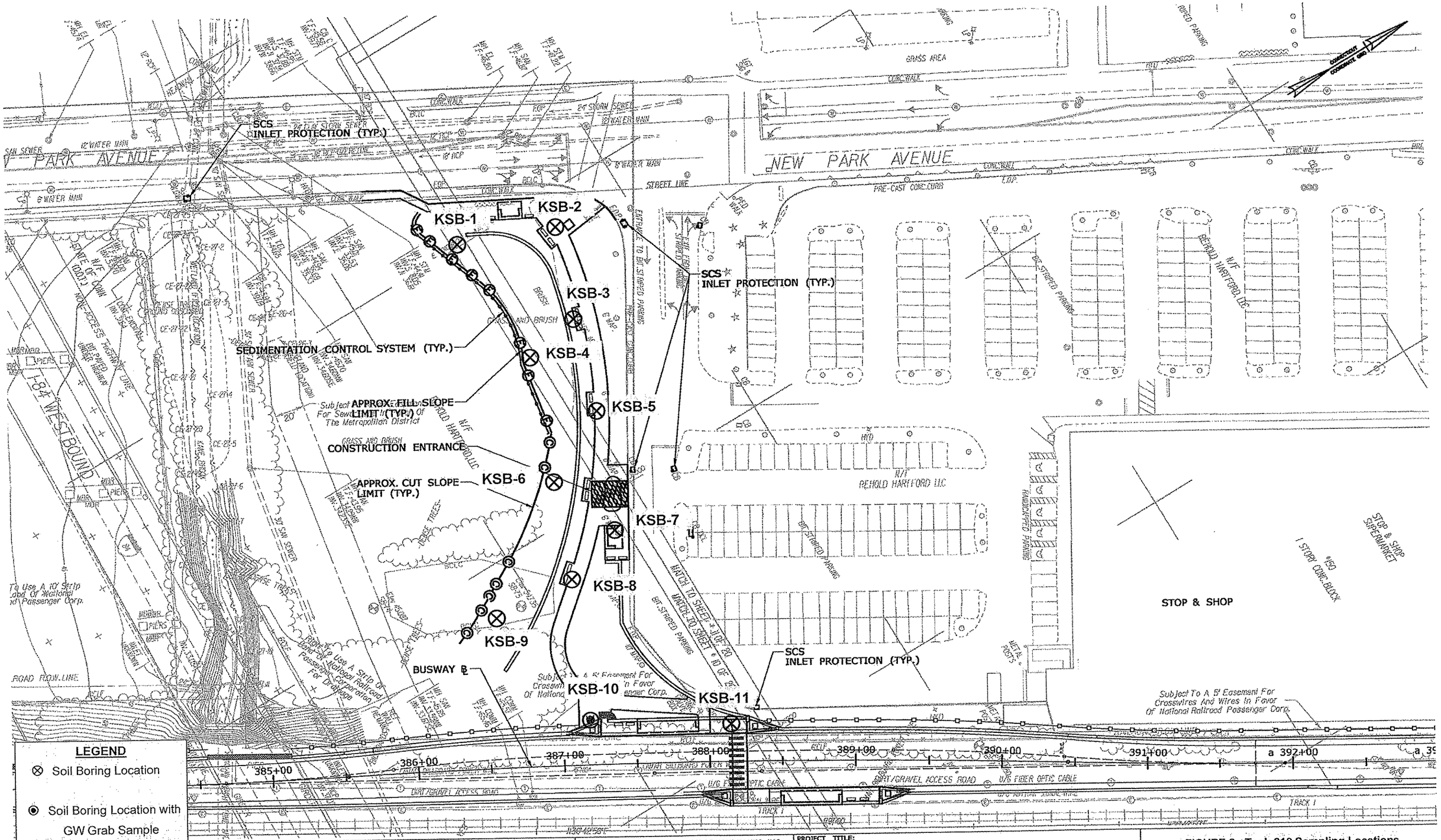
Figure 1

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



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DEPARTMENT OF TRANSPORTATION

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DIVERSIFIED TECHNOLOGY CONSULTANTS, INC.

PROJECT TITLE:

NEW BRITAIN - HARTFORD BUS RAPID TRANSIT SYSTEM

FIGURE 2 - Task 210 Sampling Locations
New Britain to Hartford Busway Project
Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

TABLES

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.	KSB-1		KSB-2		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	6'-8'	2'-4'	6'-8'		
CT ETPH - (ppm)	208	BRL	BRL	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Toluene	BRL	0.0129	BRL	0.0205	67 ppm	500/1,000 ppm
Tetrahydrofuran	BRL	BRL	BRL	0.0234	NE	NE
PAHs - Method 8270 (ppm)						
Anthracene	0.199	BRL	BRL	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.86	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.908	BRL	BRL	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.928	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(g,h,i)perylene	0.529	BRL	BRL	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	0.718	BRL	BRL	BRL	1 ppm	8.4/78 ppm
Chrysene	0.884	BRL	BRL	BRL	1 ppm	84/780 ppm
Fluoranthene	1.88	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.538	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Phenanthrene	0.607	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Pyrene	1.62	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total RCRA 8 Metals – ppm					NE	
Arsenic	7.26	7.56	6.99	BRL		10/10 ppm
Cadmium	1.19	1.03	0.72	1.1		34/1,000 ppm
Chromium	28.1	34.5	18.6	30.2		100/100 ppm
Lead	168	18.4	6.66	9.71		500/1,000 ppm
Mercury	0.0641	BRL	BRL	BRL		20/610 ppm
SPLP RCRA 8 Metals – ppm						NE
Cadmium	BRL	BRL	NA	BRL	0.05 ppm	
Chromium	0.0066	BRL	BRL	BRL	0.5 ppm	
Lead	0.0156	BRL	BRL	BRL	0.15 ppm	

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

NA – Not Analyzed for this parameter

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-3		KSB-4		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	8'-12'	2'-4'	6'-8'		
CT ETPH - (ppm)	71.5	BRL	233	110	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	0.163	BRL	0.106	0.202	140 ppm	500/1,000 ppm
Naphthalene	0.008	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Toluene	0.0075	BRL	BRL	BRL	67 ppm	500,1,000 ppm
PAHs - Method 8270 (ppm)						
Anthracene	0.193	BRL	BRL	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.361	BRL	0.196	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.318	BRL	0.202	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.328	BRL	0.221	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	0.294	BRL	0.221	BRL	1 ppm	8.4/78 ppm
Chrysene	0.344	BRL	0.221	BRL	1 ppm	84/780 ppm
Fluoranthene	0.848	BRL	0.478	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.157	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Phenanthrene	0.689	BRL	0.507	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.647	BRL	0.366	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total RCRA 8 Metals – ppm					NE	
Arsenic	1.59	BRL	BRL	BRL		10/10 ppm
Cadmium	0.676	1.44	0.723	0.93		34/1,000 ppm
Chromium	17.2	39.0	17.8	24.3		100/100 ppm
Lead	113	12.2	31.2	58.6		500/1,000 ppm
Mercury	0.12	BRL	0.0382	0.0363		20/610 ppm
SPLP RCRA 8 Metals – ppm						NE
Cadmium	NA	BRL	NA	NA	0.05 ppm	
Chromium	BRL	0.0079	BRL	BRL	0.5 ppm	
Lead	0.024	0.0088	BRL	0.0167	0.15 ppm	

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

NA – Not Analyzed for this parameter

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-5		KSB-6		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	6'-8'	2'-4'	4'-6'		
CT ETPH - (ppm)	BRL	141	278	76.7	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	BRL	0.0853	0.279	0.199	140 ppm	500/1,000 ppm
PAHs - Method 8270 (ppm)						
Benzo(a)anthracene	BRL	BRL	0.857	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	BRL	***1.49***	BRL	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	BRL	BRL	***1.26***	BRL	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	BRL	BRL	0.696	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BRL	BRL	***1.05***	BRL	**1 ppm**	8.4/78 ppm
Chrysene	BRL	BRL	0.911	BRL	1 ppm	84/780 ppm
Dibenz(a,h)anthracene	BRL	BRL	0.171	BRL	1 ppm	1/1 ppm
Fluoranthene	BRL	0.387	1.27	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	0.794	BRL	1 ppm	1/7.8 ppm
Phenanthrene	BRL	0.354	0.358	BRL	40 ppm	1,000/2,500 ppm
Pyrene	BRL	0.364	1.59	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total RCRA 8 Metals – ppm					NE	
Arsenic	2.44	BRL	2.0	3.45		10/10 ppm
Cadmium	1.12	1.0	0.715	BRL		34/1,000 ppm
Chromium	30.4	20.6	14.1	14.4		100/100 ppm
Lead	24.4	25.3	22.1	13.7		500/1,000 ppm
Mercury	BRL	0.234	BRL	0.0382		20/610 ppm
SPLP RCRA 8 Metals – ppm						NE
Cadmium	BRL	NA	NA	NA	0.05 ppm	
Chromium	0.0077	BRL	BRL	BRL	0.5 ppm	
Lead	BRL	BRL	BRL	BRL	0.15 ppm	

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

NA – Not Analyzed for this parameter

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-7		KSB-8		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	8'-12'	2'-4'	6'-8'		
CT ETPH - (ppm)	BRL	BRL	BRL	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)		*		*		
Acetone	BRL	BRL	BRL	0.11	140 ppm	500/1,000 ppm
cis-1,2-Dichloroethene	BRL	1.34	BRL	1.29	14 ppm	500/1,000 ppm
Vinyl Chloride	BRL	***3.05***	BRL	***2.1***	**0.4 ppm**	**0.32/3 ppm**
PAHs - Method 8270 (ppm)						
Fluoranthene	BRL	BRL	0.215	BRL	56 ppm	1,000/2,500 ppm
Pyrene	BRL	BRL	0.155	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total RCRA 8 Metals – ppm					NE	
Arsenic	BRL	BRL	BRL	BRL		10/10 ppm
Cadmium	1.2	1.28	1.25	1.41		34/1,000 ppm
Chromium	31.9	32.7	27.5	36.4		100/100 ppm
Lead	10.1	11.0	12.6	12.4		500/1,000 ppm
Mercury	BRL	BRL	BRL	BRL		20/610 ppm
SPLP RCRA 8 Metals – ppm						NE
Cadmium	BRL	NA	BRL	BRL	0.05 ppm	
Chromium	0.0055	0.0084	0.0075	BRL	0.5 ppm	
Lead	BRL	BRL	BRL	BRL	0.15 ppm	

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

NA – Not Analyzed for this parameter

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

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-9			KSB-10		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	6'-8'	6'-8' DUP	2'-4'	6'-8'		
CT ETPH - (ppm)	BRL	BRL	BRL	217	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)					*		
Acetone	0.125	BRL	BRL	BRL	0.102	140 ppm	500/1,000 ppm
cis-1,2-Dichloroethene	BRL	0.0343	0.0428	0.0217	0.523	14 ppm	500/1,000 ppm
Trichloroethene	BRL	BRL	BRL	0.0089	BRL	1 ppm	56/520 ppm
Vinyl Chloride	BRL	BRL	BRL	BRL	0.0511	0.4 ppm	0.32/3 ppm
PAHs - Method 8270 (ppm)							
Acenaphthylene	BRL	BRL	BRL	0.445	BRL	84 ppm	1,000/2,500 ppm
Anthracene	BRL	BRL	BRL	0.191	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	BRL	BRL	***2.33***	BRL	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	BRL	BRL	BRL	***2.71***	BRL	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	BRL	BRL	BRL	***2.11***	BRL	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	BRL	BRL	BRL	1.16	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BRL	BRL	BRL	***2.16***	BRL	**1 ppm**	8.4/78 ppm
Chrysene	BRL	BRL	BRL	***2.19***	BRL	**1 ppm**	84/780 ppm
Dibenz(a,h)anthracene	BRL	BRL	BRL	0.401	BRL	1 ppm	1/1 ppm
Fluoranthene	BRL	BRL	BRL	3.82	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	BRL	***1.46***	BRL	**1 ppm**	1/7.8 ppm
Phenanthrene	BRL	BRL	BRL	0.18	BRL	40 ppm	1,000/2,500 ppm
Pyrene	BRL	BRL	BRL	2.95	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	BRL	NE	1/10 ppm
Total Metals – ppm						NE	
Arsenic	BRL	BRL	BRL	2.76	BRL		10/10 ppm
Cadmium	0.586	0.634	0.697	1.38	0.787		34/1,000 ppm
Chromium	22.5	17.8	17.6	15.3	23.7		100/100 ppm
Lead	19.2	12.5	16.0	39.3	8.07		500/1,000 ppm
Mercury	BRL	BRL	BRL	BRL	BRL		20/610 ppm
SPLP Metals – ppm							NE
Cadmium	NA	NA	BRL	BRL	NA	0.05 ppm	
Chromium	BRL	BRL	BRL	BRL	BRL	0.5 ppm	
Lead	BRL	BRL	BRL	BRL	BRL	0.15 ppm	

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

NA – Not Analyzed for this parameter

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

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 1 - Soil Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-11		PMC GB Groundwater Area	DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	6'-8'		
CT ETPH - (ppm)	433	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)		*		
Acetone	BRL	0.11	140 ppm	500/1,000 ppm
cis-1,2-Dichloroethene	BRL	0.474	14 ppm	500/1,000 ppm
Vinyl Chloride	BRL	0.0484	0.4 ppm	0.32/3 ppm
PAHs - Method 8270 (ppm)				
Acenaphthylene	0.234	BRL	84 ppm	1,000/2,500 ppm
Anthracene	0.41	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	***1.87***	BRL	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	***2.27***	BRL	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	***1.92***	BRL	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	1.0	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	***2.2***	BRL	**1 ppm**	8.4/78 ppm
Chrysene	***2.1***	BRL	**1 ppm**	84/780 ppm
Dibenz(a,h)anthracene	0.305	BRL	1 ppm	1/1 ppm
Fluoranthene	3.43	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	***1.11***	BRL	**1 ppm**	1/7.8 ppm
2-Methylnaphthalene	0.211	BRL	NE	NE
Naphthalene	0.234	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	1.35	BRL	40 ppm	1,000/2,500 ppm
Pyrene	2.74	BRL	40 ppm	1,000/2,500 ppm
Pesticides – Method 8081 (ppm)	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	NE	1/10 ppm
Total Metals – ppm			NE	
Arsenic	***27.9***	BRL		**10/10 ppm**
Cadmium	3.73	0.633		34/1,000 ppm
Chromium	30.3	19.5		100/100 ppm
Lead	274	6.54		500/1,000 ppm
Mercury	0.0506	BRL		20/610 ppm
SPLP Metals – ppm				NE
Arsenic	BRL	NA	0.5 ppm	
Cadmium	BRL	NA	0.05 ppm	
Chromium	BRL	BRL	0.5 ppm	
Lead	BRL	BRL	0.15 ppm	

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

NA – Not Analyzed for this parameter

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

NE – None Established

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

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

TABLE 2 - Groundwater Sample Analytical Results
New Britain-Hartford Busway: Kane Street Station
150 to 152 New Park Avenue
Hartford, Connecticut

Sample I.D.:	KSB-10 GW	FB-1	TB-1	SWPC	VC: Residential/Commercial & Industrial	Groundwater Discharge to Surface Water Permit Limits
CT ETPH (ppm)	BRL	BRL	NA	NE	NE	5.0 ppm
VOCs - EPA Method 8260 (ppb)						
Toluene	1.5	BRL	BRL	4,000,000 ppb	23,500/50,000 ppb	NE
Trichloroethene	9.8	BRL	BRL	2,340 ppb	219/540 ppb	NE
Total VOCs	11.3	BRL	BRL	NE	NE	50 ppb
PAHs - EPA Method 8270 (ppb)			NA		NE	
1-Methylnaphthalene	0.3	BRL		NE		NE
2-Methylnaphthalene	0.467	BRL		NE		NE
Total PAHs	0.767	BRL		NE		5.0 ppb
Pesticides – Method 8081 (ppb)	BRL	BRL	NA			
PCBs – Method 8082 (ppb)	BRL	BRL	NA	0.5 ppb	NE	0.1 ppb
Total Metals – ppb			NA		NE	
Arsenic	BRL	BRL		4 ppb		0.021 ppb
Cadmium	BRL	BRL		6 ppb		10 ppb
Chromium	BRL	BRL		NE		342 ppb
Lead	BRL	BRL		13 ppb		9.8 ppb
Mercury	BRL	BRL		0.4 ppb		1.0 ppb

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

NE – None Established

SWPC – Surface Water Protection Criteria

VC – Volatilization Criteria

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

APPENDIX A

Soil Boring Logs

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-11
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.5		
1.0		Red-Brown fine to medium SAND, little Silt, trace fine to coarse Gravel	2.0	0.1	Macro Core 0'-2'
2.0		Black to Dark-Brown fine to medium SAND, trace fine to coarse Gravel (FILL)	3.0		
3.0		BRICK mixed with Olive-Brown SILT, trace fine Sand (FILL)	3.5	0.6	Macro Core 2'-4'
4.0		Weathered COBBLE mixed with Olive-Brown SILT, trace fine Sand	4.5		
5.0		Black SILT, trace fine Sand	5.0	0.3	Macro Core 4'-8'
		Olive-Brown to Gray SILT, trace fine Sand & Clay	6.0		
6.0					
7.0				0.6	Macro Core 6'-8'
8.0					
9.0		Gray Clayey SILT			
10.0				0.2	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station	**Boring:** KSB-1
Location: Hartford, CT	**Inspector:** C. Knight
Client: Diversified Technology Consultants	**Date:** 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.8		
1.0		Light-Brown fine SAND & SILT, trace Ash & Cinders & Brick (FILL)		0.7	Macro Core 0'-2'
2.0					
3.0			3.5	1.5	Macro Core 2'-4'
4.0		Gray SILT, little Clay & fine Sand (moist)			
5.0				0.5	Macro Core 4'-8'
6.0					
7.0				1.1	Macro Core 6'-8'
8.0					
9.0					
10.0				0.4	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-3
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	1.0	0	Macro Core 0'-2'
1.0		Red-Brown to Brown fine to medium SAND, little fine to coarse Gravel & Brick, trace Ash& Cinders (FILL)	3.0	1.3	Macro Core 2'-4'
2.0					
3.0		Olive-Brown to Gray SILT, trace Clay & fine Sand (moist)		0.2	Macro Core 4'-8'
4.0					
5.0				0.2	Macro Core 6'-8'
6.0					
7.0				2.7	Macro Core 8'-12'
8.0					
9.0					
10.0					
11.0			12.0		
12.0		End of Boring at 12'			
13.0					
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-10
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.5		
1.0		Red-Brown fine to medium SAND, little Silt, trace fine to coarse Gravel	2.0	0.2	Macro Core 0'-2'
2.0		Black to Dark-Brown fine to medium SAND, trace fine to coarse Gravel (FILL)	3.0		
3.0		BRICK mixed with Olive-Brown SILT, trace fine Sand (FILL)	3.5	0.2	Macro Core 2'-4'
4.0		Weathered COBBLE mixed with Olive-Brown SILT, trace fine Sand	4.5		
		Black SILT, trace fine Sand	5.0	0.5	Macro Core 4'-8'
5.0		Olive-Brown to Gray SILT, trace fine Sand & Clay	6.0		
6.0					
7.0				1.5	Macro Core 6'-8'
8.0					
9.0		Gray Clayey SILT			
10.0				0.4	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Sampling at 12'			
14.0		Pre-probed to 20'			
15.0		Groundwater Grab Sample Collected			

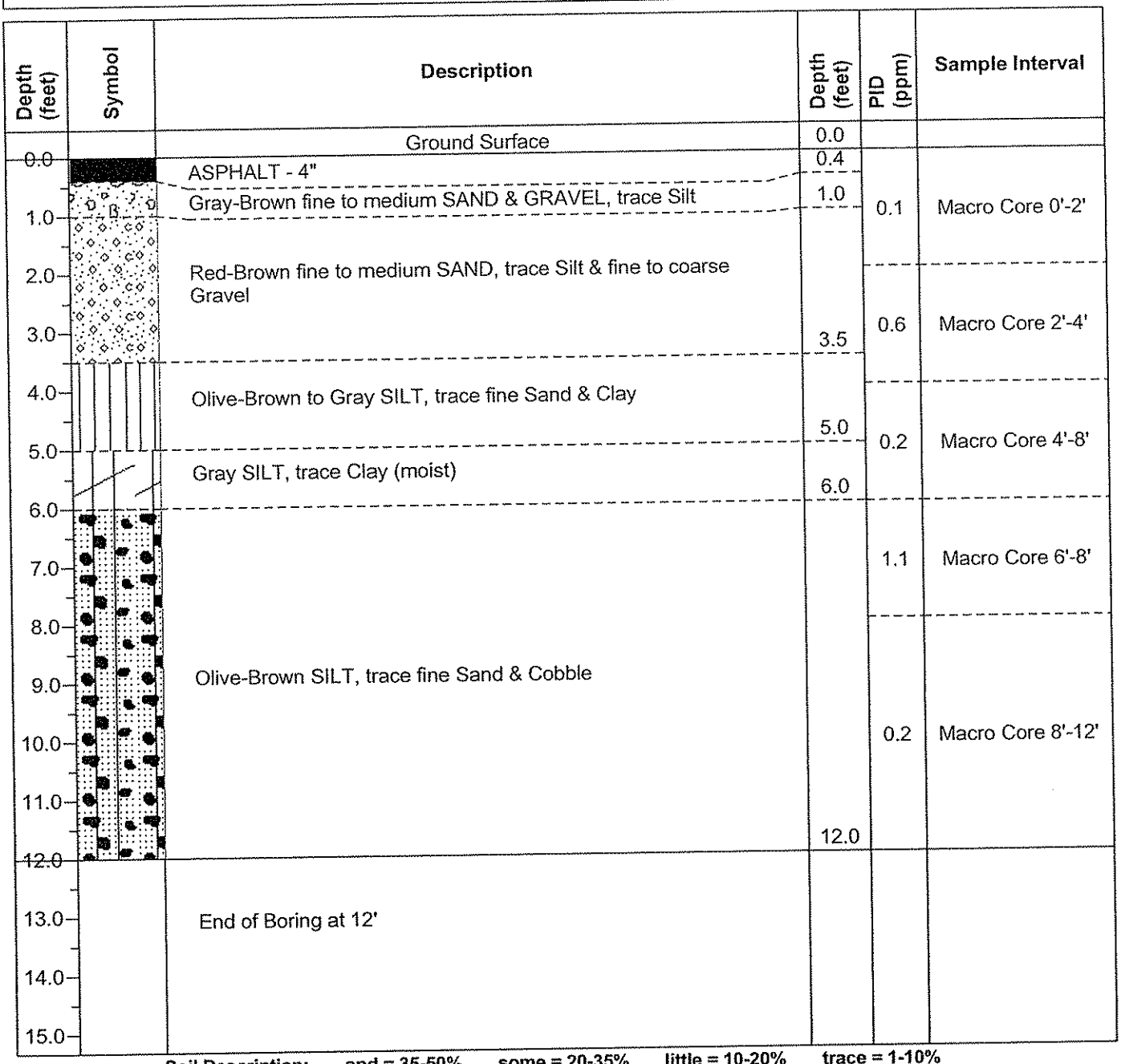
Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: W. Lineberry
Depth to Water: 14'
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 20'
Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-9
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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



Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		ASPHALT - 4"	0.4		
1.0		Gray-Brown fine to medium SAND & GRAVEL, trace Silt	1.0	0.1	Macro Core 0'-2'
2.0		Red-Brown fine to medium SAND, trace Silt & fine to coarse Gravel			
3.0			3.5	0.6	Macro Core 2'-4'
4.0		Olive-Brown to Gray SILT, trace fine Sand & Clay			
5.0		Gray SILT, trace Clay (moist)	5.0	0.2	Macro Core 4'-8'
6.0			6.0		
7.0				1.1	Macro Core 6'-8'
8.0					
9.0		Olive-Brown SILT, trace fine Sand & Cobble			
10.0				0.2	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-8
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.7		
1.0		Gray-Brown to Olive-Brown SILT, little fine Sand		0.1	Macro Core 0'-2'
2.0					
3.0			3.0	0.7	Macro Core 2'-4'
4.0		Gray SILT, little fine Sand, trace Clay & Cobble			
5.0				0.2	Macro Core 4'-8'
6.0					
7.0				1.3	Macro Core 6'-8'
8.0			8.0		
9.0		Refusal on Concrete at 8'			
10.0		Attempted 2 Off-Sets			
11.0					
12.0					
13.0					
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-7
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.5		
1.0		Red-Brown fine to medium SAND, little Silt, trace fine to coarse Gravel	2.0	0.1	Macro Core 0'-2'
2.0					
3.0		Gray SILT, little fine Sand, trace Clay & Cobble		0.9	Macro Core 2'-4'
4.0					
5.0			5.0	0.5	Macro Core 4'-8'
6.0					
7.0				1.8	Macro Core 6'-8'
8.0		Gray Clayey SILT			
9.0					
10.0				2.7	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-6
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	1.0	0.4	Macro Core 0'-2'
1.0		Light-Brown SILT, little fine Sand, trace fine Gravel	2.0		
2.0		Black fine to medium SAND, little fine to coarse Gravel, trace Silt	2.5	1.3	Macro Core 2'-4'
3.0					
4.0				1.8	Macro Core 4'-8'
5.0		Olive-Brown fine SAND & SILT, trace fine Gravel			
6.0				1.4	Macro Core 6'-8'
7.0			7.5		
8.0					
9.0		Dark-Gray SILT, trace Clay (moist), with a fine Sand seam at 11'-11.5'		0.6	Macro Core 8'-12'
10.0					
11.0			12.0		
12.0					
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-5
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	1.0	0.4	Macro Core 0'-2'
1.0		Light-Brown to Olive-Brown SILT, little fine Sand, trace fine Gravel	4.0	0.7	Macro Core 2'-4'
4.0		Gray SILT, trace fine Sand & Clay	5.0	0.2	Macro Core 4'-8'
5.0		Dark-Brown to Black fine to medium SAND, little fine to coarse Gravel & Brick, trace Silt (FILL)	6.0	4.8	Macro Core 6'-8'
6.0		Dark-Gray SILT, trace Clay & fine Sand (moist)	12.0	1.0	Macro Core 8'-12'
12.0		End of Boring at 12'			

13.0 14.0 15.0

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-4
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	1.0	0.6	Macro Core 0'-2'
1.0		Black fine to medium SAND, little fine to coarse Gravel & Brick, trace Silt (FILL)	1.5		
2.0					
3.0				4.9	Macro Core 2'-4'
4.0		Dark-Gray to Black SILT, little fine Sand			
5.0				0.6	Macro Core 4'-8'
6.0			6.0		
7.0				1.5	Macro Core 6'-8'
8.0					
9.0		Dark-Gray SILT, trace Clay & fine Sand (moist)			
10.0				0.2	Macro Core 8'-12'
11.0					
12.0			12.0		
13.0		End of Boring at 12'			
14.0					
15.0					

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

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

GEOPROBE SOIL BORING LOG

Project: Busway: Kane Street Station
Boring: KSB-2
Location: Hartford, CT
Inspector: C. Knight
Client: Diversified Technology Consultants
Date: 7-19-10

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

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown SILT, trace fine Sand & Gravel	0.5		
1.0		Red-Brown to Light-Brown fine to medium SAND, little fine to coarse Gravel & Brick, trace Ash& Cinders (FILL)		0	Macro Core 0'-2'
2.0					
3.0			3.0	1.3	Macro Core 2'-4'
4.0					
5.0		Olive-Brown to Light-Brown SILT, little fine Sand (moist)		0.2	Macro Core 4'-8'
6.0					
7.0				0.2	Macro Core 6'-8'
8.0			8.0		
9.0					
10.0		End of Boring at 8'			
		Broke Sample Tube			
11.0					
12.0					
13.0					
14.0					
15.0					

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

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

APPENDIX B

Soil & Groundwater Analytical Laboratory Report

Report Date:
16-Aug-10 12:12

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: Kane St. Station Busway - Hartford, CT
Project #: 171-305

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB15521-01	KSB-1 2'-4'	Soil	19-Jul-10 12:15	20-Jul-10 16:40
SB15521-02	KSB-1 6'-8'	Soil	19-Jul-10 12:40	20-Jul-10 16:40
SB15521-03	KSB-2 2'-4'	Soil	19-Jul-10 11:40	20-Jul-10 16:40
SB15521-04	KSB-2 6'-8'	Soil	19-Jul-10 11:50	20-Jul-10 16:40
SB15521-05	KSB-3 2'-4'	Soil	19-Jul-10 10:45	20-Jul-10 16:40
SB15521-06	KSB-3 8'-12'	Soil	19-Jul-10 10:55	20-Jul-10 16:40
SB15521-07	KSB-4 2'-4'	Soil	19-Jul-10 10:25	20-Jul-10 16:40
SB15521-08	KSB-4 6'-8'	Soil	19-Jul-10 10:35	20-Jul-10 16:40
SB15521-09	KSB-5 2'-4'	Soil	19-Jul-10 09:45	20-Jul-10 16:40
SB15521-10	KSB-5 6'-8'	Soil	19-Jul-10 09:55	20-Jul-10 16:40
SB15521-11	KSB-6 2'-4'	Soil	19-Jul-10 08:40	20-Jul-10 16:40
SB15521-12	KSB-6 4'-6'	Soil	19-Jul-10 08:50	20-Jul-10 16:40
SB15521-13	KSB-7 2'-4'	Soil	19-Jul-10 08:15	20-Jul-10 16:40
SB15521-14	KSB-7 8'-12'	Soil	19-Jul-10 08:20	20-Jul-10 16:40
SB15521-15	KSB-8 2'-4'	Soil	19-Jul-10 07:55	20-Jul-10 16:40
SB15521-16	KSB-8 6'-8'	Soil	19-Jul-10 08:00	20-Jul-10 16:40
SB15521-17	KSB-9 2'-4'	Soil	19-Jul-10 07:20	20-Jul-10 16:40
SB15521-18	KSB-9 6'-8'	Soil	19-Jul-10 07:35	20-Jul-10 16:40
SB15521-19	KSB-9 6'-8' Dup	Soil	19-Jul-10 07:35	20-Jul-10 16:40
SB15521-20	KSB-10 2'-4'	Soil	19-Jul-10 05:55	20-Jul-10 16:40
SB15521-21	KSB-10 6'-8'	Soil	19-Jul-10 06:00	20-Jul-10 16:40
SB15521-22	KSB-11 2'-4'	Soil	19-Jul-10 05:20	20-Jul-10 16:40
SB15521-23	KSB-11 6'-8'	Soil	19-Jul-10 05:30	20-Jul-10 16:40
SB15521-24	KSB-10 GW	Ground Water	19-Jul-10 06:45	20-Jul-10 16:40
SB15521-25	FB-1	Deionized Water	19-Jul-10 13:30	20-Jul-10 16:40
SB15521-26	TB-1	Deionized Water	19-Jul-10 00:00	20-Jul-10 16:40

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 222 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

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

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.9 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.2 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

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

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 7/20/2010 at 16:40.

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

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

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

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

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

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

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

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

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

+CT ETPH

Samples:

SB15521-22 *KSB-11 2'-4'*

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

SW846 6010B

Duplicates:

1015654-DUP1 *Source: SB15521-24*

SW846 6010B

Duplicates:

1015654-DUP1 *Source: SB15521-24*

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

Cadmium

1015655-DUP1 *Source: SB15521-11*

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

Lead

1015657-DUP1 *Source: SB15521-01*

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

Lead

SW846 8081A

Calibration:

S006796-CCV1

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

S006796-CCV2

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

S006796-CCV3

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

S006797-CCV1

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

SW846 8081A

Calibration:

S006797-CCV1

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

4,4'-DDT (p,p')
Methoxychlor

S006797-CCV2

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

S006801-CCV1

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

S006801-CCV2

CCV failed high. Samples BDL. Results acceptable.

4,4'-DDT (p,p')
Methoxychlor

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

4,4'-DDT (p,p')
Methoxychlor

Spikes:

1015599-MS1 *Source: SB15521-01*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

4,4'-DDT (p,p')
gamma-Chlordane
Methoxychlor

1015599-MSD1 *Source: SB15521-01*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

4,4'-DDT (p,p')
gamma-Chlordane
Methoxychlor

Samples:

SW846 8081A

Samples:

S006796-CCV1

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

4,4'-DDT (p,p') (26.4%)
Methoxychlor (37.5%)

This affected the following samples:

1015599-BLK1
1015599-BS1
1015599-BSD1
1015599-DUP1
1015599-MS1
1015599-MSD1
KSB-1 2'-4'
KSB-1 6'-8'
KSB-10 2'-4'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup

S006796-CCV2

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

4,4'-DDT (p,p') (30.4%)
Methoxychlor (42.2%)

SW846 8081A

Samples:

S006796-CCV2

This affected the following samples:

1015599-BLK1
1015599-BS1
1015599-BSD1
1015599-DUP1
1015599-MS1
1015599-MSD1
KSB-1 2'-4'
KSB-1 6'-8'
KSB-10 2'-4'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup

S006796-CCV3

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

4,4'-DDT (p,p') (24.2%)
Methoxychlor (41.9%)

SW846 8081A

Samples:

S006796-CCV3

This affected the following samples:

1015599-BLK1
1015599-BS1
1015599-BSD1
1015599-DUP1
1015599-MS1
1015599-MSD1
KSB-1 2'-4'
KSB-1 6'-8'
KSB-10 2'-4'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup

S006797-CCV1

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

4,4'-DDT (p,p') (30.4%)
Methoxychlor (42.2%)

This affected the following samples:

1015601-BLK1
1015601-BS1
1015601-BSD1
KSB-10 6'-8'
KSB-11 2'-4'
KSB-11 6'-8'

S006797-CCV2

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

4,4'-DDT (p,p') (24.2%)
Methoxychlor (41.9%)

This affected the following samples:

1015601-BLK1
1015601-BS1
1015601-BSD1
KSB-10 6'-8'
KSB-11 2'-4'
KSB-11 6'-8'

SW846 8081A

Samples:

S006801-CCV1

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

4,4'-DDT (p,p') (20.2%)
Methoxychlor (32.1%)

This affected the following samples:

1015637-BLK1
1015637-BS1
1015637-BSD1
FB-1
KSB-10 GW

S006801-CCV2

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

4,4'-DDT (p,p') (26.4%)
Methoxychlor (37.5%)

This affected the following samples:

1015637-BLK1
1015637-BS1
1015637-BSD1
FB-1
KSB-10 GW

SW846 8082

Samples:

SB15521-10 *KSB-5 6'-8'*

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

4,4-DB-Octafluorobiphenyl (Sr)

SW846 8260B/C

Calibration:

1006021

Analyte quantified by quadratic equation type calibration.

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

SW846 8260B/C

Calibration:

1006021

This affected the following samples:

1015799-BLK1
1015799-BS1
1015799-BSD1
1015889-BLK1
1015889-BS1
1015889-BSD1
KSB-1 2'-4'
KSB-11 6'-8'
S005069-ICV1
S006807-CCV1
S006870-CCV1

1006023

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

1015533-BLK1
1015533-BS1
1015533-BSD1
1015554-BLK1
1015554-BS1
1015554-BSD1
1015668-BLK1
1015668-BS1
1015668-BSD1
KSB-1 6'-8'
KSB-10 2'-4'
KSB-10 6'-8'
KSB-11 2'-4'
KSB-11 6'-8'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup
S005098-ICV1
S006740-CCV1
S006769-CCV1
S006836-CCV1

1007007

SW846 8260B/C

Calibration:

1007007

Analyte quantified by quadratic equation type calibration.

trans-1,4-Dichloro-2-butene

This affected the following samples:

1015801-BLK1
1015801-BS1
1015801-BSD1
1015801-MS1
1015801-MSD1
FB-1
KSB-10 GW
S006560-ICV1
S006815-CCV1
TB-1

Laboratory Control Samples:

1015533 BS/BSD

2-Butanone (MEK) percent recoveries (57/62) 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:

KSB-1 6'-8'

1015554 BS/BSD

2-Butanone (MEK) percent recoveries (60/58) 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:

KSB-10 2'-4'
KSB-10 6'-8'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup

1015668 BS/BSD

2-Butanone (MEK) percent recoveries (56/48) 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:

KSB-11 2'-4'
KSB-11 6'-8'

SW846 8260B/C

Laboratory Control Samples:

1015668 BS/BSD

Acetone percent recoveries (138/83) 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:

KSB-11 2'-4'
KSB-11 6'-8'

1015669 BSD

sec-Butylbenzene RPD 32% (25%) is outside individual acceptance criteria, but within overall method allowances.

1015669-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.

sec-Butylbenzene

1015799 BS/BSD

1,1,1,2-Tetrachloroethane percent recoveries (135/132) 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:

KSB-1 2'-4'

1015801 BS/BSD

Acetone percent recoveries (79/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FB-1
KSB-10 GW
TB-1

Carbon tetrachloride percent recoveries (137/138) 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:

FB-1
KSB-10 GW
TB-1

1015889 BS/BSD

1,2,3-Trichloropropane percent recoveries (111/131) 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:

KSB-11 6'-8'

Chloromethane percent recoveries (66/60) 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:

KSB-11 6'-8'

Dichlorodifluoromethane (Freon12) percent recoveries (72/66) 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:

KSB-11 6'-8'

n-Butylbenzene percent recoveries (72/63) 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:

KSB-11 6'-8'

1015889 BSD

SW846 8260B/C

Laboratory Control Samples:

1015889 BSD

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

1015889-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

Spikes:

1015801-MS1 *Source: SB15521-24*

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

Carbon tetrachloride

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

1,1,1-Trichloroethane
1,1,2-Trichlorotrifluoroethane (Freon 113)
2,2-Dichloropropane
Acetone
Hexachlorobutadiene
Trichlorofluoromethane (Freon 11)
Vinyl chloride

1015801-MSD1 *Source: SB15521-24*

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

Carbon tetrachloride

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

1,1,1-Trichloroethane
1,1,2-Trichlorotrifluoroethane (Freon 113)
2,2-Dichloropropane
Acetone
Trichlorofluoromethane (Freon 11)
Vinyl chloride

Samples:

S006740-CCV1

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

2-Butanone (MEK) (-38.0%)

This affected the following samples:

1015533-BLK1
1015533-BS1
1015533-BSD1
KSB-1 6'-8'

S006769-CCV1

SW846 8260B/C

Samples:

S006769-CCV1

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

Ethanol (-22.6%)
Tert-Butanol / butyl alcohol (-20.2%)

This affected the following samples:

1015554-BLK1
1015554-BS1
1015554-BSD1
KSB-10 2'-4'
KSB-10 6'-8'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 2'-4'
KSB-6 4'-6'
KSB-7 2'-4'
KSB-7 8'-12'
KSB-8 2'-4'
KSB-8 6'-8'
KSB-9 2'-4'
KSB-9 6'-8'
KSB-9 6'-8' Dup

S006772-CCV1

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

Acetone (-35.4%)
Carbon tetrachloride (30.5%)
Ethanol (-30.8%)
Tert-Butanol / butyl alcohol (-27.3%)
trans-1,3-Dichloropropene (25.4%)

This affected the following samples:

1015669-BLK1
1015669-BS1
1015669-BSD1
KSB-10 6'-8'
KSB-7 8'-12'
KSB-8 6'-8'

S006807-CCV1

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

1,1,1,2-Tetrachloroethane (31.8%)
1,3-Dichlorobenzene (20.7%)
Bromobenzene (22.3%)
Chloromethane (-29.9%)
Dichlorodifluoromethane (Freon12) (-21.9%)
Vinyl chloride (-20.6%)

SW846 8260B/C

Samples:

S006807-CCV1

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

4-Methyl-2-pentanone (MIBK) (26.8%)
n-Butylbenzene (-25.5%)

This affected the following samples:

1015799-BLK1
1015799-BS1
1015799-BSD1
KSB-1 2'-4'

S006815-CCV1

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

1,1,1-Trichloroethane (24.5%)
1,4-Dioxane (-20.4%)
2,2-Dichloropropane (26.0%)
2-Butanone (MEK) (-25.6%)
Acetone (-20.8%)
Carbon tetrachloride (37.4%)
Ethanol (-22.9%)
trans-1,3-Dichloropropene (27.5%)
Vinyl chloride (22.6%)

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

trans-1,4-Dichloro-2-butene (23.8%)

This affected the following samples:

1015801-BLK1
1015801-BS1
1015801-BSD1
1015801-MS1
1015801-MSD1
FB-1
KSB-10 GW
TB-1

S006836-CCV1

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

1,2,4-Trimethylbenzene (20.3%)
Ethanol (-23.3%)

This affected the following samples:

1015668-BLK1
1015668-BS1
1015668-BSD1
KSB-11 2'-4'
KSB-11 6'-8'

S006870-CCV1

SW846 8260B/C

Samples:

S006870-CCV1

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

1,1,1,2-Tetrachloroethane (43.7%)
1,3-Dichlorobenzene (21.0%)
2-Chlorotoluene (21.7%)
Bromobenzene (27.5%)
Chloromethane (-30.0%)
Ethanol (-20.8%)

This affected the following samples:

1015889-BLK1
1015889-BS1
1015889-BSD1
KSB-11 6'-8'

SB15521-01 *KSB-1 2'-4'*

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

SB15521-11 *KSB-6 2'-4'*

This compound was over the instrument calibration range and was not re-analyzed from the Methanol vial because a minimum 50x dilution factor is required. The dilution factor combined with reporting limit would mean the final concentration would be BRL.

Acetone

SB15521-14 *KSB-7 8'-12'*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

cis-1,2-Dichloroethene
Vinyl chloride

SB15521-16 *KSB-8 6'-8'*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Vinyl chloride

SB15521-21 *KSB-10 6'-8'*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

cis-1,2-Dichloroethene

SB15521-23 *KSB-11 6'-8'*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

cis-1,2-Dichloroethene

SB15521-23RE1 *KSB-11 6'-8'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8270C/D

Calibration:

S006741-ICV1

SW846 8270C/D

Calibration:

S006741-ICV1

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

Naphthalene (69%)

This affected the following samples:

1015636-BLK1
1015636-BS1
S006848-CCV1
S006934-CCV1

Laboratory Control Samples:

1015643 BSD

1-Methylnaphthalene RPD 31% (20%) is outside individual acceptance criteria, but within overall method allowances.

2-Methylnaphthalene RPD 34% (20%) is outside individual acceptance criteria, but within overall method allowances.

Acenaphthene RPD 30% (20%) is outside individual acceptance criteria, but within overall method allowances.

Acenaphthylene RPD 28% (20%) is outside individual acceptance criteria, but within overall method allowances.

Anthracene RPD 25% (20%) is outside individual acceptance criteria, but within overall method allowances.

Benzo (a) anthracene RPD 21% (20%) is outside individual acceptance criteria, but within overall method allowances.

Benzo (a) pyrene RPD 22% (20%) is outside individual acceptance criteria, but within overall method allowances.

Benzo (b) fluoranthene RPD 28% (20%) is outside individual acceptance criteria, but within overall method allowances.

Benzo (g,h,i) perylene RPD 23% (20%) is outside individual acceptance criteria, but within overall method allowances.

Chrysene RPD 24% (20%) is outside individual acceptance criteria, but within overall method allowances.

Dibenzo (a,h) anthracene RPD 25% (20%) is outside individual acceptance criteria, but within overall method allowances.

Fluoranthene RPD 24% (20%) is outside individual acceptance criteria, but within overall method allowances.

Fluorene RPD 30% (20%) is outside individual acceptance criteria, but within overall method allowances.

Indeno (1,2,3-cd) pyrene RPD 28% (20%) is outside individual acceptance criteria, but within overall method allowances.

Naphthalene RPD 32% (20%) is outside individual acceptance criteria, but within overall method allowances.

Phenanthrene RPD 25% (20%) is outside individual acceptance criteria, but within overall method allowances.

Pyrene RPD 24% (20%) is outside individual acceptance criteria, but within overall method allowances.

Samples:

S006875-CCV1

SW846 8270C/D

Samples:

S006875-CCV1

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

Benzo (g,h,i) perylene (-25.9%)
Indeno (1,2,3-cd) pyrene (-22.8%)

This affected the following samples:

1015604-BLK1
1015604-BS1
1015604-DUP1
1015604-MS1
1015604-MSD1
KSB-1 2'-4'
KSB-1 6'-8'
KSB-2 2'-4'
KSB-2 6'-8'
KSB-3 2'-4'
KSB-3 8'-12'
KSB-4 2'-4'
KSB-4 6'-8'
KSB-5 2'-4'
KSB-5 6'-8'
KSB-6 4'-6'
KSB-9 6'-8' Dup

S006886-CCV1

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

Benzo (b) fluoranthene (-23.5%)

This affected the following samples:

FB-1
KSB-10 GW

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 2'-4' SB15521-01	171-305	Soil	19-Jul-10 12:15	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			VOC8			Initial weight: 13.88 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	75.6	50	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015799	X
67-64-1	Acetone	BRL		µg/kg dry	756	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	151	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	756	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	151	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	151	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	151	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	151	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	151	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	756	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 2'-4'	171-305	Soil	19-Jul-10 12:15	20-Jul-10
SB15521-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 13.88 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	75.6	50	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015799	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	756	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	151	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	151	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	75.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	151	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	75.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	756	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1510	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	378	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	30300	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*88*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*87*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	159	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	159	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 2'-4'	171-305	Soil	19-Jul-10 12:15	20-Jul-10
SB15521-01				

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	199		µg/kg dry	159	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	860		µg/kg dry	159	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	908		µg/kg dry	159	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	928		µg/kg dry	159	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	529		µg/kg dry	159	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	718		µg/kg dry	159	1	"	"	"	"	"	X
218-01-9	Chrysene	884		µg/kg dry	159	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
206-44-0	Fluoranthene	1,880		µg/kg dry	159	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	538		µg/kg dry	159	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
85-01-8	Phenanthrene	607		µg/kg dry	159	1	"	"	"	"	"	X
129-00-0	Pyrene	1,620		µg/kg dry	159	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*86*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	5.84	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.35	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.84	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	117	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 2'-4'	171-305	Soil	19-Jul-10 12:15	20-Jul-10
SB15521-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.7	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.84	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*149*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.4	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.8	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.8	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.8	1	"	"	"	"	"	
	Unidentified	208		mg/kg dry	31.8	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	208		mg/kg dry	31.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	208		mg/kg dry	31.8	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*88*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	7.26		mg/kg dry	1.53	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
7440-43-9	Cadmium	1.19		mg/kg dry	0.512	1	"	"	"	"	"	X
7440-47-3	Chromium	28.1		mg/kg dry	1.02	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0641		mg/kg dry	0.0350	1	SW846 7471A	"	27-Jul-10	HB	1015658	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 2'-4'	171-305	Soil	19-Jul-10 12:15	20-Jul-10
SB15521-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	168		mg/kg dry	1.53	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0066		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0156		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	82.8		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 6'-8'	171-305	Soil	19-Jul-10 12:40	20-Jul-10
SB15521-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.82 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.7	1	SW846 8260B/C	20-Jul-10	22-Jul-10	JRO	1015533	X
67-64-1	Acetone	BRL		µg/kg dry	87.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	87.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	87.3	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 6'-8'	171-305	Soil	19-Jul-10 12:40	20-Jul-10
SB15521-02				

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: 4.82 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.7	1	SW846 8260B/C	20-Jul-10	22-Jul-10	JRO	1015533	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	87.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-88-3	Toluene	12.9		µg/kg dry	8.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	17.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	17.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	87.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	175	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	43.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3490	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	172	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	172	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 6'-8'	171-305	Soil	19-Jul-10 12:40	20-Jul-10
SB15521-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	172	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.55	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.55	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	131	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 6'-8'	171-305	Soil	19-Jul-10 12:40	20-Jul-10
SB15521-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	13.1	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.55	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*142*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	26.2	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	26.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*123*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	34.3	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*77*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	7.56		mg/kg dry	1.79	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
7440-43-9	Cadmium	1.03		mg/kg dry	0.596	1	"	"	"	"	"	X
7440-47-3	Chromium	34.5		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0363	1	SW846 7471A	"	27-Jul-10	HB	1015658	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-1 6'-8'	171-305	Soil	19-Jul-10 12:40	20-Jul-10
SB15521-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	18.4		mg/kg dry	1.79	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	74.2		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 2'-4'	171-305	Soil	19-Jul-10 11:40	20-Jul-10
SB15521-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.53 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.4	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 2'-4'	171-305	Soil	19-Jul-10 11:40	20-Jul-10
SB15521-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.53 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.4	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	128	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2550	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*82*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*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	152	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	152	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 2'-4'	171-305	Soil	19-Jul-10 11:40	20-Jul-10
SB15521-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	152	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	152	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	152	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*82*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*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	5.73	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.17	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.73	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	115	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 2'-4' SB15521-03	171-305	Soil	19-Jul-10 11:40	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.5	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.73	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*144*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.9	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	30.3	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	6.99		mg/kg dry	1.77	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
7440-43-9	Cadmium	0.720		mg/kg dry	0.590	1	"	"	"	"	"	X
7440-47-3	Chromium	18.6		mg/kg dry	1.18	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0314	1	SW846 7471A	"	27-Jul-10	HB	1015658	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 2'-4'	171-305	Soil	19-Jul-10 11:40	20-Jul-10
SB15521-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	6.66		mg/kg dry	1.77	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015657	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.6		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 6'-8'	171-305	Soil	19-Jul-10 11:50	20-Jul-10
SB15521-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.07 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.0	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	80.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	80.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	80.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 6'-8'	171-305	Soil	19-Jul-10 11:50	20-Jul-10
SB15521-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.07 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.0	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	80.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-88-3	Toluene	20.5		µg/kg dry	8.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	23.4		µg/kg dry	16.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	80.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	160	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3200	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	172	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	172	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 6'-8'	171-305	Soil	19-Jul-10 11:50	20-Jul-10
SB15521-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	172	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	172	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*82*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.08	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.74	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.08	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	122	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 6'-8'	171-305	Soil	19-Jul-10 11:50	20-Jul-10
SB15521-04				

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												
2385-85-5	Mirex	BRL		µg/kg dry	12.2	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.08	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.3	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*133*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	34.3	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*75*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.69	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.10		mg/kg dry	0.563	1	"	"	"	"	"	X
7440-47-3	Chromium	30.2		mg/kg dry	1.13	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0349	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-2 6'-8'	171-305	Soil	19-Jul-10 11:50	20-Jul-10
SB15521-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	9.71		mg/kg dry	1.69	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	76.4		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 2'-4'	171-305	Soil	19-Jul-10 10:45	20-Jul-10
SB15521-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.96 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	X
67-64-1	Acetone	163		µg/kg dry	69.3	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	69.3	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	69.3	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 2'-4'	171-305	Soil	19-Jul-10 10:45	20-Jul-10
SB15521-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.96 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B/C	22-Jul-10	22-Jul-10	JRO	1015554	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	69.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	8.0		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	7.5		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	69.3	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	34.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2770	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*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	145	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	145	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 2'-4'	171-305	Soil	19-Jul-10 10:45	20-Jul-10
SB15521-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	193		µg/kg dry	145	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	361		µg/kg dry	145	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	318		µg/kg dry	145	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	328		µg/kg dry	145	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	145	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	294		µg/kg dry	145	1	"	"	"	"	"	X
218-01-9	Chrysene	344		µg/kg dry	145	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	145	1	"	"	"	"	"	X
206-44-0	Fluoranthene	848		µg/kg dry	145	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	145	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	157		µg/kg dry	145	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	145	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	145	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	145	1	"	"	"	"	"	X
85-01-8	Phenanthrene	689		µg/kg dry	145	1	"	"	"	"	"	X
129-00-0	Pyrene	647		µg/kg dry	145	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*80*			*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	5.56	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	8.90	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.56	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	111	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 2'-4'	171-305	Soil	19-Jul-10 10:45	20-Jul-10
SB15521-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.1	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.56	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*149*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.2	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	28.9	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.9	1	"	"	"	"	"	
	Unidentified	71.5		mg/kg dry	28.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	28.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	71.5		mg/kg dry	28.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	71.5		mg/kg dry	28.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*77*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	1.59		mg/kg dry	1.56	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.676		mg/kg dry	0.520	1	"	"	"	"	"	X
7440-47-3	Chromium	17.2		mg/kg dry	1.04	1	"	"	"	"	"	X
7439-97-6	Mercury	0.120		mg/kg dry	0.0326	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 2'-4'	171-305	Soil	19-Jul-10 10:45	20-Jul-10
SB15521-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	113		mg/kg dry	1.56	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	0.0240		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	84.2		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 8'-12'	171-305	Soil	19-Jul-10 10:55	20-Jul-10
SB15521-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.81 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	10.0	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 8'-12'	171-305	Soil	19-Jul-10 10:55	20-Jul-10
SB15521-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.81 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	10.0	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	20.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	10.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	20.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	10.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	200	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	50.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	4000	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	193	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	193	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 8'-12'	171-305	Soil	19-Jul-10 10:55	20-Jul-10
SB15521-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	193	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	193	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	193	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*85*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.86	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.86	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	137	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 8'-12'	171-305	Soil	19-Jul-10 10:55	20-Jul-10
SB15521-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	13.7	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.86	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*137*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	27.4	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	27.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	38.5	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
M09600000	Motor Oil	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	38.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*77*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.92	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.44		mg/kg dry	0.639	1	"	"	"	"	"	X
7440-47-3	Chromium	39.0		mg/kg dry	1.28	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0420	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-3 8'-12'	171-305	Soil	19-Jul-10 10:55	20-Jul-10
SB15521-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	12.2		mg/kg dry	1.92	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0079		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	0.0088		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	68.0		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 2'-4'	171-305	Soil	19-Jul-10 10:25	20-Jul-10
SB15521-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.97 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.5	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	106		µg/kg dry	75.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	75.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	75.3	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 2'-4'	171-305	Soil	19-Jul-10 10:25	20-Jul-10
SB15521-07				

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: 4.97 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.5	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	75.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	15.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	75.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	151	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3010	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	155	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 2'-4' SB15521-07	171-305	Soil	19-Jul-10 10:25	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	155	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	196		µg/kg dry	155	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	202		µg/kg dry	155	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	221		µg/kg dry	155	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	221		µg/kg dry	155	1	"	"	"	"	"	X
218-01-9	Chrysene	221		µg/kg dry	155	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
206-44-0	Fluoranthene	478		µg/kg dry	155	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	155	1	"	"	"	"	"	X
85-01-8	Phenanthrene	507		µg/kg dry	155	1	"	"	"	"	"	X
129-00-0	Pyrene	366		µg/kg dry	155	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*87*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*91*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	5.96	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.53	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.96	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	119	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 2'-4'	171-305	Soil	19-Jul-10 10:25	20-Jul-10
SB15521-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.9	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.96	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.8	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.1	1	"	"	"	"	"	
	Unidentified	233		mg/kg dry	31.1	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	233		mg/kg dry	31.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	233		mg/kg dry	31.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.57	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.723		mg/kg dry	0.524	1	"	"	"	"	"	X
7440-47-3	Chromium	17.8		mg/kg dry	1.05	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0382		mg/kg dry	0.0343	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 2'-4'	171-305	Soil	19-Jul-10 10:25	20-Jul-10
SB15521-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	31.2		mg/kg dry	1.57	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	80.1		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 6'-8'	171-305	Soil	19-Jul-10 10:35	20-Jul-10
SB15521-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.91 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.2	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	202		µg/kg dry	82.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	82.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	82.2	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 6'-8'	171-305	Soil	19-Jul-10 10:35	20-Jul-10
SB15521-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.91 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.2	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	82.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	82.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	164	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3290	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*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	174	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	174	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 6'-8'	171-305	Soil	19-Jul-10 10:35	20-Jul-10
SB15521-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	174	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*77*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*			*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	6.45	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.45	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	129	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 6'-8'	171-305	Soil	19-Jul-10 10:35	20-Jul-10
SB15521-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	12.9	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.45	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	25.8	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	25.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	34.8	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.8	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	34.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	34.8	1	"	"	"	"	"	
	Unidentified	110		mg/kg dry	34.8	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	34.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	110		mg/kg dry	34.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	110		mg/kg dry	34.8	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.84	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.930		mg/kg dry	0.612	1	"	"	"	"	"	X
7440-47-3	Chromium	24.3		mg/kg dry	1.22	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0363		mg/kg dry	0.0349	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-4 6'-8'	171-305	Soil	19-Jul-10 10:35	20-Jul-10
SB15521-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	58.6		mg/kg dry	1.84	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	0.0167		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	76.4		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 2'-4'	171-305	Soil	19-Jul-10 09:45	20-Jul-10
SB15521-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	77.4	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	15.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	77.4	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	15.5	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	15.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.5	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	15.5	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	15.5	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	77.4	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 2'-4'	171-305	Soil	19-Jul-10 09:45	20-Jul-10
SB15521-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	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	77.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	15.5	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	15.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	15.5	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	77.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	155	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	38.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3090	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*85*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	157	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	157	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 2'-4'	171-305	Soil	19-Jul-10 09:45	20-Jul-10
SB15521-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	157	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	157	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	157	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*77*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*88*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.12	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.80	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.12	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	122	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 2'-4' SB15521-09	171-305	Soil	19-Jul-10 09:45	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	12.2	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.12	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*141*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.5	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*144*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.4	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	31.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*77*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.44		mg/kg dry	1.83	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.12		mg/kg dry	0.611	1	"	"	"	"	"	X
7440-47-3	Chromium	30.4		mg/kg dry	1.22	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0348	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 2'-4'	171-305	Soil	19-Jul-10 09:45	20-Jul-10
SB15521-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	24.4		mg/kg dry	1.83	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0077		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	78.5		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 6'-8'	171-305	Soil	19-Jul-10 09:55	20-Jul-10
SB15521-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.12 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.8	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	85.3		µg/kg dry	78.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	78.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	78.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 6'-8'	171-305	Soil	19-Jul-10 09:55	20-Jul-10
SB15521-10				

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: 5.12 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.8	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	78.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	15.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	15.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	78.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	156	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	39.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3120	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*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	166	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	166	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 6'-8'	171-305	Soil	19-Jul-10 09:55	20-Jul-10
SB15521-10				

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	166	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
206-44-0	Fluoranthene	387		µg/kg dry	166	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	166	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	166	1	"	"	"	"	"	X
85-01-8	Phenanthrene	354		µg/kg dry	166	1	"	"	"	"	"	X
129-00-0	Pyrene	364		µg/kg dry	166	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*78*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*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	6.40	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.40	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	128	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 6'-8'	171-305	Soil	19-Jul-10 09:55	20-Jul-10
SB15521-10				

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												
2385-85-5	Mirex	BRL		µg/kg dry	12.8	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.40	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	25.6	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	25.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*238*	S02		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	33.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.1	1	"	"	"	"	"	
	Unidentified	141		mg/kg dry	33.1	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	33.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	141		mg/kg dry	33.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	141		mg/kg dry	33.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.87	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.00		mg/kg dry	0.624	1	"	"	"	"	"	X
7440-47-3	Chromium	20.6		mg/kg dry	1.25	1	"	"	"	"	"	X
7439-97-6	Mercury	0.234		mg/kg dry	0.0357	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-5 6'-8'	171-305	Soil	19-Jul-10 09:55	20-Jul-10
SB15521-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	25.3		mg/kg dry	1.87	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	77.2		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 2'-4'	171-305	Soil	19-Jul-10 08:40	20-Jul-10
SB15521-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.92 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	279	VOC11	µg/kg dry	66.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.9	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 2'-4'	171-305	Soil	19-Jul-10 08:40	20-Jul-10
SB15521-11				

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: 4.92 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	134	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2680	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	162	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 2'-4' SB15521-11	171-305	Soil	19-Jul-10 08:40	20-Jul-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												
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	162	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
120-12-7	Anthracene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	857		µg/kg dry	162	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,490		µg/kg dry	162	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,260		µg/kg dry	162	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	696		µg/kg dry	162	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	1,050		µg/kg dry	162	1	"	"	"	"	"	X
218-01-9	Chrysene	911		µg/kg dry	162	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	171		µg/kg dry	162	1	"	"	"	"	"	X
206-44-0	Fluoranthene	1,270		µg/kg dry	162	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	794		µg/kg dry	162	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	162	1	"	"	"	"	"	X
85-01-8	Phenanthrene	358		µg/kg dry	162	1	"	"	"	"	"	X
129-00-0	Pyrene	1,590		µg/kg dry	162	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*84*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*93*			*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	5.38	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	8.60	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.38	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 2'-4' SB15521-11	171-305	Soil	19-Jul-10 08:40	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	108	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
57-74-9	Chlordane	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/kg dry	10.8	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	5.38	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*144*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*123*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.5	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	32.4	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	32.4	1	"	"	"	"	"	
	Unidentified	278		mg/kg dry	32.4	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	32.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	278		mg/kg dry	32.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	278		mg/kg dry	32.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*86*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.00		mg/kg dry	1.70	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.715		mg/kg dry	0.567	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 2'-4'	171-305	Soil	19-Jul-10 08:40	20-Jul-10
SB15521-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	14.1		mg/kg dry	1.13	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0308	1	SW846 7471A	"	26-Jul-10	HB	1015656	X
7439-92-1	Lead	22.1		mg/kg dry	1.70	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	86.2		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 4'-6' SB15521-12	171-305	Soil	19-Jul-10 08:50	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.48 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.4	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	199		µg/kg dry	64.1	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 4'-6'	171-305	Soil	19-Jul-10 08:50	20-Jul-10
SB15521-12				

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: 5.48 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.4	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	128	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2560	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*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	153	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	153	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 4'-6'	171-305	Soil	19-Jul-10 08:50	20-Jul-10
SB15521-12				

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	153	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	153	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*96*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	5.81	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.29	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.81	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	116	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 4'-6' SB15521-12	171-305	Soil	19-Jul-10 08:50	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.6	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.81	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.2	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*129*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	30.7	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.7	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.7	1	"	"	"	"	"	
	Unidentified	76.7		mg/kg dry	30.7	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	30.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	76.7		mg/kg dry	30.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	76.7		mg/kg dry	30.7	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*89*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.45		mg/kg dry	1.58	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.525	1	"	"	"	"	"	X
7440-47-3	Chromium	14.4		mg/kg dry	1.05	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0382		mg/kg dry	0.0320	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-6 4'-6'	171-305	Soil	19-Jul-10 08:50	20-Jul-10
SB15521-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	13.7		mg/kg dry	1.58	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.8		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 2'-4'	171-305	Soil	19-Jul-10 08:15	20-Jul-10
SB15521-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.301 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.6	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	66.2	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	13.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.2	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	13.2	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	13.2	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.2	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	13.2	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	13.2	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	66.2	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 2'-4'	171-305	Soil	19-Jul-10 08:15	20-Jul-10
SB15521-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.301 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.6	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	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	66.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.2	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	13.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.2	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	66.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	132	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2650	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	167	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 2'-4'	171-305	Soil	19-Jul-10 08:15	20-Jul-10
SB15521-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	167	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
120-12-7	Anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*93*			*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	6.17	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.87	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 2'-4'	171-305	Soil	19-Jul-10 08:15	20-Jul-10
SB15521-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	123	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
57-74-9	Chlordane	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/kg dry	12.3	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	6.17	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*138*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.7	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	33.5	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	33.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*78*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.93	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.20		mg/kg dry	0.644	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 2'-4' SB15521-13	171-305	Soil	19-Jul-10 08:15	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	31.9		mg/kg dry	1.29	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0374	1	SW846 7471A	"	26-Jul-10	HB	1015656	X
7439-92-1	Lead	10.1		mg/kg dry	1.93	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0055		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	77.2		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
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	9.0	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	90.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	90.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	1,200	E	µg/kg dry	9.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	90.2	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

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	9.0	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	90.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	3,050	E	µg/kg dry	9.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	18.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	90.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	180	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	45.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3610	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	182	100	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
67-64-1	Acetone	BRL		µg/kg dry	1820	100	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	182	100	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

Volatile Organic Compounds

Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level) — Initial weight: 14.66 g

Re-analysis of Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level)

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-43-2	Benzene	BRL		µg/kg dry	182	100	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
108-86-1	Bromobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	182	100	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	364	100	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1820	100	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	364	100	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	182	100	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	364	100	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	182	100	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	364	100	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	364	100	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	182	100	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	364	100	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	1,340		µg/kg dry	182	100	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1820	100	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	182	100	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.66 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1820	100	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
75-09-2	Methylene chloride	BRL		µg/kg dry	364	100	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	182	100	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	182	100	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
75-01-4	Vinyl chloride	2,680		µg/kg dry	182	100	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	364	100	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	182	100	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	364	100	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	182	100	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	182	100	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	182	100	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	182	100	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1820	100	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	3640	100	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	911	100	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	72900	100	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	186	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	186	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	186	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*82*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.17	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.88	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	123	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12'	171-305	Soil	19-Jul-10 08:20	20-Jul-10
SB15521-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
57-74-9	Chlordane	BRL		µg/kg dry	24.7	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
2385-85-5	Mirex	BRL		µg/kg dry	12.3	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	6.17	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*148*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.7	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	37.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	37.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*78*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.78	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.28		mg/kg dry	0.592	1	"	"	"	"	"	X
7440-47-3	Chromium	32.7		mg/kg dry	1.18	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-7 8'-12' SB15521-14	171-305	Soil	19-Jul-10 08:20	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0367	1	SW846 7471A	24-Jul-10	26-Jul-10	HB	1015656	X
7439-92-1	Lead	11.0		mg/kg dry	1.78	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0084		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	71.7		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 2'-4'	171-305	Soil	19-Jul-10 07:55	20-Jul-10
SB15521-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.74 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.3	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 2'-4'	171-305	Soil	19-Jul-10 07:55	20-Jul-10
SB15521-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.74 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.3	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	127	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2540	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	154	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 2'-4'	171-305	Soil	19-Jul-10 07:55	20-Jul-10
SB15521-15				

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												
Re-analysis of PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	154	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
120-12-7	Anthracene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
206-44-0	Fluoranthene	215		µg/kg dry	154	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	154	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	154	1	"	"	"	"	"	X
129-00-0	Pyrene	155		µg/kg dry	154	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*83*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*85*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	5.52	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	8.83	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.52	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 2'-4'	171-305	Soil	19-Jul-10 07:55	20-Jul-10
SB15521-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
8001-35-2	Toxaphene	BRL		µg/kg dry	110	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
57-74-9	Chlordane	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/kg dry	11.0	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	5.52	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*148*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.2	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*136*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	30.8	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.8	1	"	"	"	"	"	
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	1.54	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.25		mg/kg dry	0.512	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 2'-4' SB15521-15	171-305	Soil	19-Jul-10 07:55	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	27.5		mg/kg dry	1.02	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0321	1	SW846 7471A	"	26-Jul-10	HB	1015656	X
7439-92-1	Lead	12.6		mg/kg dry	1.54	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016225	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016288	
7440-47-3	Chromium	0.0075		mg/l	0.0050	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	82.5		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.04 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	9.3	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	110		µg/kg dry	92.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	92.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	568		µg/kg dry	9.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	92.8	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

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: 5.04 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	9.3	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	92.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	880	E	µg/kg dry	9.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	18.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	18.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	92.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	186	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	46.4	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3710	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	97.6	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
67-64-1	Acetone	BRL		µg/kg dry	976	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

Volatile Organic Compounds

Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level)

Initial weight: 14.17 g

Re-analysis of Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level)

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-43-2	Benzene	BRL		µg/kg dry	97.6	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
108-86-1	Bromobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	195	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	976	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	195	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	195	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	195	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	195	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	195	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	1,290		µg/kg dry	97.6	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	976	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.17 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	976	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
75-09-2	Methylene chloride	BRL		µg/kg dry	195	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	2,100		µg/kg dry	97.6	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	195	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	97.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	195	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	97.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	976	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1950	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	488	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	39000	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*107*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	171	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	171	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

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												
Re-analysis of PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	171	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	171	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	171	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*77*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*80*			*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	6.96	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	11.1	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.96	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	139	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8' SB15521-16	171-305	Soil	19-Jul-10 08:00	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
57-74-9	Chlordane	BRL		µg/kg dry	27.8	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
2385-85-5	Mirex	BRL		µg/kg dry	13.9	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	6.96	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	27.8	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	27.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	34.3	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	34.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.97	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.41		mg/kg dry	0.655	1	"	"	"	"	"	X
7440-47-3	Chromium	36.4		mg/kg dry	1.31	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-8 6'-8'	171-305	Soil	19-Jul-10 08:00	20-Jul-10
SB15521-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0402	1	SW846 7471A	24-Jul-10	26-Jul-10	HB	1015656	X
7439-92-1	Lead	12.4		mg/kg dry	1.97	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	69.7		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 2'-4'	171-305	Soil	19-Jul-10 07:20	20-Jul-10
SB15521-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.9	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	125		µg/kg dry	69.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	69.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	69.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 2'-4'	171-305	Soil	19-Jul-10 07:20	20-Jul-10
SB15521-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.9	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	69.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.9	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	69.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	138	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	34.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2760	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*85*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*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	142	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	142	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 2'-4'	171-305	Soil	19-Jul-10 07:20	20-Jul-10
SB15521-17				

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	142	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	142	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*			*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	5.37	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	8.59	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.37	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	107	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 2'-4'	171-305	Soil	19-Jul-10 07:20	20-Jul-10
SB15521-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	10.7	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.37	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.5	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*132*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	28.4	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	28.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*82*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.52	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.586		mg/kg dry	0.505	1	"	"	"	"	"	X
7440-47-3	Chromium	22.5		mg/kg dry	1.01	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0334	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 2'-4'	171-305	Soil	19-Jul-10 07:20	20-Jul-10
SB15521-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	19.2		mg/kg dry	1.52	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	84.1		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8'	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-18				

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	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.01 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	77.0	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	77.0	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	34.3		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	77.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8'	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-18				

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: 5.01 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.7	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	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	77.0	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	77.0	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	38.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3080	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*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	161	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	161	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8'	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-18				

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	161	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	161	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*81*			*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	6.02	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.63	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.02	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	120	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8'	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	12.0	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.02	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*141*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.1	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*134*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	32.3	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	32.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*85*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.78	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.634		mg/kg dry	0.593	1	"	"	"	"	"	X
7440-47-3	Chromium	17.8		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0355	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8'	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	12.5		mg/kg dry	1.78	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	78.7		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8' Dup	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-19				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.83 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.4	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	83.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	83.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	42.8		µg/kg dry	8.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	83.8	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8' Dup	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-19				

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: 4.83 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.4	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	83.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	83.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	168	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	41.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3350	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*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	170	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	170	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8' Dup	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-19				

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	170	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	170	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	170	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*87*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*84*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	6.21	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.93	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.21	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	124	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8' Dup	171-305	Soil	19-Jul-10 07:35	20-Jul-10
SB15521-19				

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												
2385-85-5	Mirex	BRL		µg/kg dry	12.4	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	6.21	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.8	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*146*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	34.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	34.1	1	"	"	"	"	"	
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	1.77	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.697		mg/kg dry	0.591	1	"	"	"	"	"	X
7440-47-3	Chromium	17.6		mg/kg dry	1.18	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0355	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-9 6'-8' Dup SB15521-19	171-305	Soil	19-Jul-10 07:35	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	16.0		mg/kg dry	1.77	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	76.1		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 2'-4'	171-305	Soil	19-Jul-10 05:55	20-Jul-10
SB15521-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.29 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.2	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	BRL		µg/kg dry	71.7	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	71.7	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	21.7		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	71.7	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 2'-4' SB15521-20	171-305	Soil	19-Jul-10 05:55	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.29 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.2	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	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	71.7	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	8.9		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	71.7	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	2870	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*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	159	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
208-96-8	Acenaphthylene	445		µg/kg dry	159	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 2'-4'	171-305	Soil	19-Jul-10 05:55	20-Jul-10
SB15521-20				

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	191		µg/kg dry	159	1	SW846 8270C/D	23-Jul-10	27-Jul-10	MSL	1015604	X
56-55-3	Benzo (a) anthracene	2,330		µg/kg dry	159	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,710		µg/kg dry	159	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,110		µg/kg dry	159	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,160		µg/kg dry	159	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,160		µg/kg dry	159	1	"	"	"	"	"	X
218-01-9	Chrysene	2,190		µg/kg dry	159	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	401		µg/kg dry	159	1	"	"	"	"	"	X
206-44-0	Fluoranthene	3,820		µg/kg dry	159	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,460		µg/kg dry	159	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	159	1	"	"	"	"	"	X
85-01-8	Phenanthrene	180		µg/kg dry	159	1	"	"	"	"	"	X
129-00-0	Pyrene	2,950		µg/kg dry	159	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*85*			*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	5.77	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.23	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.77	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	115	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 2'-4'	171-305	Soil	19-Jul-10 05:55	20-Jul-10
SB15521-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.5	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015599	
15972-60-8	Alachlor	BRL		µg/kg dry	5.77	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*141*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.1	1	SW846 8082	23-Jul-10	24-Jul-10	SM	1015600	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	31.7	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015605	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	31.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	31.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	31.7	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	31.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	31.7	1	"	"	"	"	"	
	Unidentified	217		mg/kg dry	31.7	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	31.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	217		mg/kg dry	31.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	217		mg/kg dry	31.7	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*86*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.76		mg/kg dry	1.67	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	1.38		mg/kg dry	0.557	1	"	"	"	"	"	X
7440-47-3	Chromium	15.3		mg/kg dry	1.11	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0363	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 2'-4'	171-305	Soil	19-Jul-10 05:55	20-Jul-10
SB15521-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	39.3		mg/kg dry	1.67	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	03-Aug-10	"	"	
General Chemistry Parameters												
	% Solids	79.9		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8' SB15521-21	171-305	Soil	19-Jul-10 06:00	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.07 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.1	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
67-64-1	Acetone	102		µg/kg dry	80.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	80.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	523	E	µg/kg dry	8.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	80.9	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8' SB15521-21	171-305	Soil	19-Jul-10 06:00	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.07 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.1	1	SW846 8260B/C	22-Jul-10	23-Jul-10	JRO	1015554	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	80.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	51.1		µg/kg dry	8.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	80.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	162	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	40.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3240	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	79.9	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
67-64-1	Acetone	BRL		µg/kg dry	799	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8'	171-305	Soil	19-Jul-10 06:00	20-Jul-10
SB15521-21				

Volatile Organic Compounds

Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level)

Initial weight: 15.45 g

Re-analysis of Volatile Organic Compounds
Prepared by method SW846 5030 Soil (high level)

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-43-2	Benzene	BRL		µg/kg dry	79.9	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
108-86-1	Bromobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	160	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	799	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	160	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	160	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	160	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	160	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	160	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	394		µg/kg dry	79.9	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	799	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8'	171-305	Soil	19-Jul-10 06:00	20-Jul-10
SB15521-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)					Initial weight: 15.45 g							
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)												
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	799	50	SW846 8260B/C	23-Jul-10	23-Jul-10	adu	1015669	X
75-09-2	Methylene chloride	BRL		µg/kg dry	160	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	160	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	79.9	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	160	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	79.9	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	799	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1600	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	400	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	32000	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	174	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	174	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8' SB15521-21	171-305	Soil	19-Jul-10 06:00	20-Jul-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												
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	174	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	174	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*			*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	6.32	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.32	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	126	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/kg dry	12.6	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	6.32	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8'	171-305	Soil	19-Jul-10 06:00	20-Jul-10
SB15521-21				

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												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*146*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	25.3	1	SW846 8082	23-Jul-10	23-Jul-10	IMR	1015602	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons												
Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	35.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015635	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	35.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*113*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.83	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.787		mg/kg dry	0.610	1	"	"	"	"	"	X
7440-47-3	Chromium	23.7		mg/kg dry	1.22	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0358	1	SW846 7471A	"	26-Jul-10	HB	1015656	X
7439-92-1	Lead	8.07		mg/kg dry	1.83	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 6'-8' SB15521-21	171-305	Soil	19-Jul-10 06:00	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	75.8		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 2'-4'	171-305	Soil	19-Jul-10 05:20	20-Jul-10
SB15521-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.16 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.0	1	SW846 8260B/C	23-Jul-10	23-Jul-10	JRO	1015668	X
67-64-1	Acetone	BRL		µg/kg dry	70.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	70.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	70.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 2'-4'	171-305	Soil	19-Jul-10 05:20	20-Jul-10
SB15521-22				

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: 5.16 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.0	1	SW846 8260B/C	23-Jul-10	23-Jul-10	JRO	1015668	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	70.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	70.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	140	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	35.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2800	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	161	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
208-96-8	Acenaphthylene	234		µg/kg dry	161	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
KSB-11 2'-4'	171-305	Soil	19-Jul-10 05:20	20-Jul-10
SB15521-22				

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	410		µg/kg dry	161	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
56-55-3	Benzo (a) anthracene	1,870		µg/kg dry	161	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	2,270		µg/kg dry	161	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,920		µg/kg dry	161	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,000		µg/kg dry	161	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,200		µg/kg dry	161	1	"	"	"	"	"	X
218-01-9	Chrysene	2,100		µg/kg dry	161	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	305		µg/kg dry	161	1	"	"	"	"	"	X
206-44-0	Fluoranthene	3,430		µg/kg dry	161	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	161	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,110		µg/kg dry	161	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	161	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	211		µg/kg dry	161	1	"	"	"	"	"	X
91-20-3	Naphthalene	234		µg/kg dry	161	1	"	"	"	"	"	X
85-01-8	Phenanthrene	1,350		µg/kg dry	161	1	"	"	"	"	"	X
129-00-0	Pyrene	2,740		µg/kg dry	161	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*84*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*82*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	5.68	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.09	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.68	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	114	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 2'-4'	171-305	Soil	19-Jul-10 05:20	20-Jul-10
SB15521-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
2385-85-5	Mirex	BRL		µg/kg dry	11.4	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	
15972-60-8	Alachlor	BRL		µg/kg dry	5.68	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*144*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.7	1	SW846 8082	23-Jul-10	23-Jul-10	IMR	1015602	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*130*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*133*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	64.8	2	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015635	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	64.8	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	64.8	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	64.8	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	64.8	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	64.8	2	"	"	"	"	"	
	Unidentified	433		mg/kg dry	64.8	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	64.8	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	433		mg/kg dry	64.8	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	433		mg/kg dry	64.8	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*84*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	27.9		mg/kg dry	1.64	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	3.73		mg/kg dry	0.545	1	"	"	"	"	"	X
7440-47-3	Chromium	30.3		mg/kg dry	1.09	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0506		mg/kg dry	0.0327	1	SW846 7471A	"	26-Jul-10	HB	1015656	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 2'-4'	171-305	Soil	19-Jul-10 05:20	20-Jul-10
SB15521-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	274		mg/kg dry	1.64	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-38-2	Arsenic	BRL		mg/l	0.0080	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7440-43-9	Cadmium	BRL		mg/l	0.0050	1	"	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	"	"	"	"	"	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	82.0		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8' SB15521-23	171-305	Soil	19-Jul-10 05:30	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	OC Soil Extraction	21-Jul-10	21-Jul-10	SJL	1015508	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.89 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	8.5	1	SW846 8260B/C	23-Jul-10	23-Jul-10	JRO	1015668	X
67-64-1	Acetone	110		µg/kg dry	84.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	84.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	474	E	µg/kg dry	8.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	84.6	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

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: 4.89 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	8.5	1	SW846 8260B/C	23-Jul-10	23-Jul-10	JRO	1015668	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	84.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	48.4		µg/kg dry	8.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	16.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	8.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	16.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	8.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	84.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	169	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	42.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	3380	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			GS1									
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	84.8	50	SW846 8260B/C	27-Jul-10	27-Jul-10	adu	1015889	X
67-64-1	Acetone	BRL		µg/kg dry	848	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 14.62 g							
Re-analysis of Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)												
71-43-2	Benzene	BRL		µg/kg dry	84.8	50	SW846 8260B/C	27-Jul-10	27-Jul-10	adu	1015889	X
108-86-1	Bromobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	170	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	848	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	170	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	170	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	170	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	170	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	170	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	291		µg/kg dry	84.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	848	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			GS1			Initial weight: 14.62 g						
Re-analysis of Volatile Organic Compounds Prepared by method SW846 5030 Soil (high level)			GS1									
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	848	50	SW846 8260B/C	27-Jul-10	27-Jul-10	adu	1015889	X
75-09-2	Methylene chloride	BRL		µg/kg dry	170	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	170	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	84.8	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	170	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	84.8	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	848	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1700	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	424	50	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	33900	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*89*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*90*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*89*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	167	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

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												
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	167	1	SW846 8270C/D	23-Jul-10	28-Jul-10	MSL	1015636	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	167	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*73*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*76*			*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	6.23	1	SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	9.96	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.23	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	125	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/kg dry	12.5	1	"	"	"	"	"	
15972-60-8	Alachlor	BRL		µg/kg dry	6.23	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

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												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		SW846 8081A	23-Jul-10	25-Jul-10	TG	1015601	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.9	1	SW846 8082	23-Jul-10	23-Jul-10	IMR	1015602	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	35.4	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015635	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	35.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*119*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/kg dry	1.84	1	SW846 6010B	24-Jul-10	26-Jul-10	JB	1015655	X
7440-43-9	Cadmium	0.633		mg/kg dry	0.615	1	"	"	"	"	"	X
7440-47-3	Chromium	19.5		mg/kg dry	1.23	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0379	1	SW846 7471A	"	26-Jul-10	HB	1015656	X
7439-92-1	Lead	6.54		mg/kg dry	1.84	1	SW846 6010B	"	26-Jul-10	JB	1015655	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-11 6'-8'	171-305	Soil	19-Jul-10 05:30	20-Jul-10
SB15521-23				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	30-Jul-10	02-Aug-10	AB	1016222	
7440-47-3	Chromium	BRL		mg/l	0.0100	1	SW846 1312/6010B	02-Aug-10	03-Aug-10	TBG	1016287	
7439-92-1	Lead	BRL		mg/l	0.0150	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	75.1		%		1	SM2540 G Mod.	21-Jul-10	21-Jul-10	BD	1015501	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 GW	171-305	Ground Water	19-Jul-10 06:45	20-Jul-10
SB15521-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 GW	171-305	Ground Water	19-Jul-10 06:45	20-Jul-10
SB15521-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	1.5		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	9.8		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015643	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	0.300		µg/l	0.050	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 GW	171-305	Ground Water	19-Jul-10 06:45	20-Jul-10
SB15521-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
120-12-7	Anthracene	BRL		µg/l	0.050	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015643	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.050	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	0.467		µg/l	0.050	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*40*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*39*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 8081A	23-Jul-10	24-Jul-10	TG	1015637	X
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.004	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.004	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.004	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.004	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.004	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.054	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/l	0.007	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/l	0.005	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 GW	171-305	Ground Water	19-Jul-10 06:45	20-Jul-10
SB15521-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
15972-60-8	Alachlor	BRL		µg/l	0.002	1	SW846 8081A	23-Jul-10	24-Jul-10	TG	1015637	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0650	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015638	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0650	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0650	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/l	0.0650	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/l	0.0650	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0650	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*57*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C												
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015642	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*67*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	23-Jul-10	24-Jul-10	LR	1015654	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
KSB-10 GW SB15521-24	171-305	Ground Water	19-Jul-10 06:45	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL		mg/l	0.00030	1	EPA 245.1/7470A	23-Jul-10	23-Jul-10	HB	1015653	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	19-Jul-10 13:30	20-Jul-10
SB15521-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1 SB15521-25	171-305	Deionized Water	19-Jul-10 13:30	20-Jul-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	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
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	0.050	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015643	X
208-96-8	Acenaphthylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	19-Jul-10 13:30	20-Jul-10
SB15521-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
SVOCs by SW846 8270C SIM												
Prepared by method SW846 3510C												
120-12-7	Anthracene	BRL		µg/l	0.050	1	SW846 8270C/D	23-Jul-10	26-Jul-10	MSL	1015643	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.050	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	0.050	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.050	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	0.050	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	0.050	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	0.050	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	0.050	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*41*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*37*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 8081A	23-Jul-10	24-Jul-10	TG	1015637	X
319-85-7	beta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.002	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.002	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.002	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.002	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.004	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.004	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.004	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.004	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.004	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.004	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.002	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.053	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/l	0.007	1	"	"	"	"	"	X
2385-85-5	Mirex	BRL		µg/l	0.005	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1	171-305	Deionized Water	19-Jul-10 13:30	20-Jul-10
SB15521-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3510C												
15972-60-8	Alachlor	BRL		µg/l	0.002	1	SW846 8081A	23-Jul-10	24-Jul-10	TG	1015637	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*54*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL		µg/l	0.0213	1	SW846 8082	23-Jul-10	23-Jul-10	SM	1015638	X
11104-28-2	Aroclor-1221	BRL		µg/l	0.0213	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/l	0.0213	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/l	0.0213	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/l	0.0213	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/l	0.0213	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/l	0.0213	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/l	0.0213	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/l	0.0213	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*47*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3510C												
8006-61-9	Gasoline	BRL		mg/l	0.1	1	+CT ETPH	23-Jul-10	24-Jul-10	SHM	1015642	
68476-30-2	Fuel Oil #2	BRL		mg/l	0.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/l	0.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/l	0.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	SW846 6010B	23-Jul-10	24-Jul-10	LR	1015654	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods												

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1 SB15521-25	171-305	Deionized Water	19-Jul-10 13:30	20-Jul-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL		mg/l	0.00030	1	EPA 245.1/7470A	23-Jul-10	23-Jul-10	HB	1015653	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-1	171-305	Deionized Water	19-Jul-10 00:00	20-Jul-10
SB15521-26				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

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
TB-1	171-305	Deionized Water	19-Jul-10 00:00	20-Jul-10
SB15521-26				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260B/C	26-Jul-10	26-Jul-10	adu	1015801	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	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
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015533 - SW846 5035A Soil (low level)										
Blank (1015533-BLK1)					Prepared & Analyzed: 22-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	10.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015533 - SW846 5035A Soil (low level)										
Blank (1015533-BLK1)						Prepared & Analyzed: 22-Jul-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	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.1*		µg/kg wet		*50.0*		*122*	*70-130*		
Surrogate: Dibromofluoromethane	*57.1*		µg/kg wet		*50.0*		*114*	*70-130*		
LCS (1015533-BS1)						Prepared & Analyzed: 22-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/kg wet		20.0		105	70-130		
Acetone	17.4		µg/kg wet		20.0		87	70-130		
Acrylonitrile	19.6		µg/kg wet		20.0		98	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130		
Bromochloromethane	22.3		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromoform	20.4		µg/kg wet		20.0		102	70-130		
Bromomethane	17.7		µg/kg wet		20.0		89	70-130		
2-Butanone (MEK)	11.3		µg/kg wet		20.0		57	70-130		
n-Butylbenzene	20.5		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	20.1		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	20.8		µg/kg wet		20.0		104	70-130		
Chlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
Chloroethane	17.1		µg/kg wet		20.0		86	70-130		
Chloroform	20.2		µg/kg wet		20.0		101	70-130		
Chloromethane	16.8		µg/kg wet		20.0		84	70-130		
2-Chlorotoluene	21.3		µg/kg wet		20.0		107	70-130		
4-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015533 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 22-Jul-10					
LCS (1015533-BS1)										
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130		
Dibromochloromethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethane	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		103	70-130		
trans-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130		
1,3-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130		
2,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130		
1,1-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
cis-1,3-Dichloropropene	19.9		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	20.8		µg/kg wet		20.0		104	70-130		
2-Hexanone (MBK)	17.2		µg/kg wet		20.0		86	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	20.4		µg/kg wet		20.0		102	70-130		
Methyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130		
4-Methyl-2-pentanone (MIBK)	15.0		µg/kg wet		20.0		75	70-130		
Methylene chloride	22.0		µg/kg wet		20.0		110	70-130		
Naphthalene	17.1		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Styrene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	21.1		µg/kg wet		20.0		105	70-130		
Tetrachloroethene	20.0		µg/kg wet		20.0		100	70-130		
Toluene	20.6		µg/kg wet		20.0		103	70-130		
1,2,3-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		103	70-130		
1,1,2-Trichloroethane	20.1		µg/kg wet		20.0		101	70-130		
Trichloroethene	21.1		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	70-130		
1,2,3-Trichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130		
1,3,5-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Vinyl chloride	18.0		µg/kg wet		20.0		90	70-130		
m,p-Xylene	43.5		µg/kg wet		40.0		109	70-130		
o-Xylene	22.0		µg/kg wet		20.0		110	70-130		
Tetrahydrofuran	16.7		µg/kg wet		20.0		84	70-130		
Ethyl ether	16.6		µg/kg wet		20.0		83	70-130		
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130		
Di-isopropyl ether	17.8		µg/kg wet		20.0		89	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015533 - SW846 5035A Soil (low level)										
LCS (1015533-BS1)						Prepared & Analyzed: 22-Jul-10				
Tert-Butanol / butyl alcohol	161		µg/kg wet		200		80	70-130		
1,4-Dioxane	176		µg/kg wet		200		88	70-130		
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130		
Ethanol	299		µg/kg wet		400		75	70-130		
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (1015533-BSD1)						Prepared & Analyzed: 22-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		102	70-130	3	25
Acetone	18.6		µg/kg wet		20.0		93	70-130	7	50
Acrylonitrile	21.2		µg/kg wet		20.0		106	70-130	8	25
Benzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Bromobenzene	21.1		µg/kg wet		20.0		106	70-130	1	25
Bromochloromethane	21.9		µg/kg wet		20.0		109	70-130	2	25
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130	3	25
Bromoform	20.4		µg/kg wet		20.0		102	70-130	0.1	25
Bromomethane	18.3		µg/kg wet		20.0		92	70-130	3	50
2-Butanone (MEK)	12.4		µg/kg wet		20.0		62	70-130	9	50
n-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.9	25
sec-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
tert-Butylbenzene	21.1		µg/kg wet		20.0		105	70-130	2	25
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130	2	25
Carbon tetrachloride	20.1		µg/kg wet		20.0		100	70-130	3	25
Chlorobenzene	20.3		µg/kg wet		20.0		101	70-130	0.5	25
Chloroethane	17.6		µg/kg wet		20.0		88	70-130	3	50
Chloroform	19.7		µg/kg wet		20.0		98	70-130	3	25
Chloromethane	17.1		µg/kg wet		20.0		85	70-130	1	25
2-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	3	25
4-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130	1	25
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet		20.0		97	70-130	1	25
Dibromochloromethane	20.3		µg/kg wet		20.0		101	70-130	0.1	50
1,2-Dibromoethane (EDB)	20.8		µg/kg wet		20.0		104	70-130	1	25
Dibromomethane	20.6		µg/kg wet		20.0		103	70-130	0.4	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.1	25
1,3-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	2	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	1	25
Dichlorodifluoromethane (Freon12)	18.0		µg/kg wet		20.0		90	70-130	0.7	50
1,1-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130	6	25
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	4	25
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		103	70-130	0	25
trans-1,2-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130	0.2	25
1,3-Dichloropropane	20.3		µg/kg wet		20.0		101	70-130	0.8	25
2,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	3	25
1,1-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	0.2	25
cis-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	2	25
trans-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	2	25
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Hexachlorobutadiene	20.2		µg/kg wet		20.0		101	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 1015533 - SW846 5035A Soil (low level)										
LCS Dup (1015533-BSD1)					Prepared & Analyzed: 22-Jul-10					
2-Hexanone (MBK)	16.9		µg/kg wet		20.0		84	70-130	2	25
Isopropylbenzene	20.7		µg/kg wet		20.0		104	70-130	3	25
4-Isopropyltoluene	20.3		µg/kg wet		20.0		101	70-130	0.8	25
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130	2	25
4-Methyl-2-pentanone (MIBK)	16.2		µg/kg wet		20.0		81	70-130	8	50
Methylene chloride	21.6		µg/kg wet		20.0		108	70-130	2	25
Naphthalene	17.8		µg/kg wet		20.0		89	70-130	4	25
n-Propylbenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
Styrene	20.8		µg/kg wet		20.0		104	70-130	0.3	25
1,1,1,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130	0.8	25
1,1,2,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	3	25
Tetrachloroethene	19.6		µg/kg wet		20.0		98	70-130	2	25
Toluene	20.2		µg/kg wet		20.0		101	70-130	2	25
1,2,3-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	0.3	25
1,3,5-Trichlorobenzene	20.5		µg/kg wet		20.0		103	70-130	0.5	25
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130	5	25
1,1,2-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130	3	25
Trichloroethene	20.4		µg/kg wet		20.0		102	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	70-130	3	50
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130	1	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	0.3	25
1,3,5-Trimethylbenzene	20.7		µg/kg wet		20.0		104	70-130	2	25
Vinyl chloride	17.9		µg/kg wet		20.0		90	70-130	0.8	25
m,p-Xylene	42.9		µg/kg wet		40.0		107	70-130	1	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	0.4	25
Tetrahydrofuran	18.2		µg/kg wet		20.0		91	70-130	9	25
Ethyl ether	18.3		µg/kg wet		20.0		92	70-130	10	50
Tert-amyl methyl ether	19.2		µg/kg wet		20.0		96	70-130	4	25
Ethyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130	1	25
Di-isopropyl ether	17.9		µg/kg wet		20.0		89	70-130	0.2	25
Tert-Butanol / butyl alcohol	165		µg/kg wet		200		83	70-130	3	25
1,4-Dioxane	195		µg/kg wet		200		98	70-130	10	25
trans-1,4-Dichloro-2-butene	19.8		µg/kg wet		20.0		99	70-130	5	25
Ethanol	327		µg/kg wet		400		82	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Batch 1015554 - SW846 5035A Soil (low level)										
Blank (1015554-BLK1)					Prepared & Analyzed: 22-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015554 - SW846 5035A Soil (low level)										
Blank (1015554-BLK1)					Prepared & Analyzed: 22-Jul-10					
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	10.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015554 - SW846 5035A Soil (low level)										
Blank (1015554-BLK1)					Prepared & Analyzed: 22-Jul-10					
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.4*		µg/kg wet		*50.0*		*121*	*70-130*		
Surrogate: Dibromofluoromethane	*55.8*		µg/kg wet		*50.0*		*112*	*70-130*		
LCS (1015554-BS1)					Prepared & Analyzed: 22-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		102	70-130		
Acetone	20.6		µg/kg wet		20.0		103	70-130		
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.1		µg/kg wet		20.0		106	70-130		
Bromochloromethane	21.3		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromoform	19.8		µg/kg wet		20.0		99	70-130		
Bromomethane	17.2		µg/kg wet		20.0		86	70-130		
2-Butanone (MEK)	11.9		µg/kg wet		20.0		60	70-130		
n-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	21.9		µg/kg wet		20.0		110	70-130		
tert-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Carbon disulfide	20.5		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130		
Chlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
Chloroethane	17.3		µg/kg wet		20.0		87	70-130		
Chloroform	19.5		µg/kg wet		20.0		98	70-130		
Chloromethane	16.6		µg/kg wet		20.0		83	70-130		
2-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95	70-130		
Dibromochloromethane	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dibromoethane (EDB)	20.3		µg/kg wet		20.0		102	70-130		
Dibromomethane	20.1		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015554 - SW846 5035A Soil (low level)										
LCS (1015554-BS1)						Prepared & Analyzed: 22-Jul-10				
1,1-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130		
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		95	70-130		
trans-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
Ethylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	19.8		µg/kg wet		20.0		99	70-130		
2-Hexanone (MBK)	14.8		µg/kg wet		20.0		74	70-130		
Isopropylbenzene	21.1		µg/kg wet		20.0		106	70-130		
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	17.3		µg/kg wet		20.0		87	70-130		
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet		20.0		86	70-130		
Methylene chloride	21.2		µg/kg wet		20.0		106	70-130		
Naphthalene	16.4		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Styrene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	20.3		µg/kg wet		20.0		101	70-130		
Tetrachloroethene	19.7		µg/kg wet		20.0		99	70-130		
Toluene	20.5		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	17.9		µg/kg wet		20.0		89	70-130		
1,2,4-Trichlorobenzene	16.3		µg/kg wet		20.0		81	70-130		
1,3,5-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	21.5		µg/kg wet		20.0		108	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	18.8		µg/kg wet		20.0		94	70-130		
1,2,3-Trichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trimethylbenzene	21.3		µg/kg wet		20.0		107	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	17.8		µg/kg wet		20.0		89	70-130		
m,p-Xylene	42.1		µg/kg wet		40.0		105	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	17.8		µg/kg wet		20.0		89	70-130		
Ethyl ether	18.1		µg/kg wet		20.0		90	70-130		
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130		
Ethyl tert-butyl ether	17.3		µg/kg wet		20.0		86	70-130		
Di-isopropyl ether	17.4		µg/kg wet		20.0		87	70-130		
Tert-Butanol / butyl alcohol	154		µg/kg wet		200		77	70-130		
1,4-Dioxane	191		µg/kg wet		200		96	70-130		
trans-1,4-Dichloro-2-butene	16.3		µg/kg wet		20.0		82	70-130		
Ethanol	307		µg/kg wet		400		77	70-130		
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1015554-BSD1)						Prepared & Analyzed: 22-Jul-10				

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015554 - SW846 5035A Soil (low level)										
LCS Dup (1015554-BSD1)					Prepared & Analyzed: 22-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.6		µg/kg wet		20.0		103	70-130	0.5	25
Acetone	19.7		µg/kg wet		20.0		99	70-130	5	50
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130	4	25
Benzene	19.9		µg/kg wet		20.0		99	70-130	5	25
Bromobenzene	20.7		µg/kg wet		20.0		104	70-130	2	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	4	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	3	25
Bromoform	20.2		µg/kg wet		20.0		101	70-130	2	25
Bromomethane	17.3		µg/kg wet		20.0		86	70-130	0.5	50
2-Butanone (MEK)	11.5		µg/kg wet		20.0		58	70-130	3	50
n-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130	2	25
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
tert-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
Carbon disulfide	20.0		µg/kg wet		20.0		100	70-130	3	25
Carbon tetrachloride	20.1		µg/kg wet		20.0		101	70-130	4	25
Chlorobenzene	19.9		µg/kg wet		20.0		100	70-130	4	25
Chloroethane	16.6		µg/kg wet		20.0		83	70-130	4	50
Chloroform	19.1		µg/kg wet		20.0		96	70-130	2	25
Chloromethane	16.3		µg/kg wet		20.0		81	70-130	2	25
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,2-Dibromo-3-chloropropane	17.8		µg/kg wet		20.0		89	70-130	7	25
Dibromochloromethane	18.9		µg/kg wet		20.0		94	70-130	4	50
1,2-Dibromoethane (EDB)	20.8		µg/kg wet		20.0		104	70-130	3	25
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130	2	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.1	25
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130	3	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	2	25
Dichlorodifluoromethane (Freon12)	17.8		µg/kg wet		20.0		89	70-130	2	50
1,1-Dichloroethane	19.7		µg/kg wet		20.0		99	70-130	0.6	25
1,2-Dichloroethane	19.2		µg/kg wet		20.0		96	70-130	1	25
1,1-Dichloroethene	18.9		µg/kg wet		20.0		95	70-130	7	25
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130	3	25
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	4	25
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	0.3	25
2,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	0.6	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	1	25
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130	1	25
trans-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	4	25
Ethylbenzene	20.5		µg/kg wet		20.0		102	70-130	1	25
Hexachlorobutadiene	20.2		µg/kg wet		20.0		101	70-130	2	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	12	25
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
4-Isopropyltoluene	19.5		µg/kg wet		20.0		98	70-130	3	25
Methyl tert-butyl ether	17.3		µg/kg wet		20.0		86	70-130	0.3	25
4-Methyl-2-pentanone (MIBK)	16.6		µg/kg wet		20.0		83	70-130	4	50
Methylene chloride	20.7		µg/kg wet		20.0		104	70-130	2	25
Naphthalene	16.6		µg/kg wet		20.0		83	70-130	1	25
n-Propylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.5	25
Styrene	19.9		µg/kg wet		20.0		100	70-130	3	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		101	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015554 - SW846 5035A Soil (low level)										
LCS Dup (1015554-BSD1)					Prepared & Analyzed: 22-Jul-10					
1,1,2,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130	4	25
Tetrachloroethene	19.3		µg/kg wet		20.0		96	70-130	2	25
Toluene	20.1		µg/kg wet		20.0		100	70-130	2	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	5	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	5	25
1,3,5-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.3	25
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		97	70-130	4	25
1,1,2-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130	3	25
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130	2	25
Trichlorofluoromethane (Freon 11)	18.7		µg/kg wet		20.0		94	70-130	0.1	50
1,2,3-Trichloropropane	20.8		µg/kg wet		20.0		104	70-130	4	25
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
1,3,5-Trimethylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
Vinyl chloride	16.9		µg/kg wet		20.0		85	70-130	5	25
m,p-Xylene	42.4		µg/kg wet		40.0		106	70-130	0.7	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Tetrahydrofuran	18.0		µg/kg wet		20.0		90	70-130	0.7	25
Ethyl ether	18.6		µg/kg wet		20.0		93	70-130	3	50
Tert-amyl methyl ether	17.4		µg/kg wet		20.0		87	70-130	3	25
Ethyl tert-butyl ether	17.3		µg/kg wet		20.0		86	70-130	0.2	25
Di-isopropyl ether	17.1		µg/kg wet		20.0		86	70-130	1	25
Tert-Butanol / butyl alcohol	161		µg/kg wet		200		81	70-130	5	25
1,4-Dioxane	185		µg/kg wet		200		93	70-130	3	25
trans-1,4-Dichloro-2-butene	17.7		µg/kg wet		20.0		89	70-130	8	25
Ethanol	301		µg/kg wet		400		75	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Batch 1015668 - SW846 5035A Soil (low level)										
Blank (1015668-BLK1)					Prepared & Analyzed: 23-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	10.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015668 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 23-Jul-10					
Blank (1015668-BLK1)										
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015668 - SW846 5035A Soil (low level)										
Blank (1015668-BLK1)						Prepared & Analyzed: 23-Jul-10				
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.1*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*55.0*		µg/kg wet		*50.0*		*110*	*70-130*		
LCS (1015668-BS1)						Prepared & Analyzed: 23-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.2		µg/kg wet		20.0		101	70-130		
Acetone	27.6		µg/kg wet		20.0		138	70-130		
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.2		µg/kg wet		20.0		106	70-130		
Bromochloromethane	21.4		µg/kg wet		20.0		107	70-130		
Bromodichloromethane	20.9		µg/kg wet		20.0		104	70-130		
Bromoform	20.4		µg/kg wet		20.0		102	70-130		
Bromomethane	18.5		µg/kg wet		20.0		92	70-130		
2-Butanone (MEK)	11.2		µg/kg wet		20.0		56	70-130		
n-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130		
sec-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
tert-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Carbon disulfide	20.4		µg/kg wet		20.0		102	70-130		
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130		
Chlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
Chloroethane	17.9		µg/kg wet		20.0		89	70-130		
Chloroform	20.5		µg/kg wet		20.0		102	70-130		
Chloromethane	16.5		µg/kg wet		20.0		83	70-130		
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	20.5		µg/kg wet		20.0		102	70-130		
Dibromochloromethane	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	21.1		µg/kg wet		20.0		105	70-130		
1,3-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130		
2,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130		
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,3-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130		
Ethylbenzene	21.1		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015668 - SW846 5035A Soil (low level)										
LCS (1015668-BS1)						Prepared & Analyzed: 23-Jul-10				
Hexachlorobutadiene	19.3		µg/kg wet		20.0		97	70-130		
2-Hexanone (MBK)	17.8		µg/kg wet		20.0		89	70-130		
Isopropylbenzene	21.3		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	18.9		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	15.1		µg/kg wet		20.0		76	70-130		
Methylene chloride	22.3		µg/kg wet		20.0		111	70-130		
Naphthalene	16.8		µg/kg wet		20.0		84	70-130		
n-Propylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Styrene	21.4		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130		
Tetrachloroethene	20.2		µg/kg wet		20.0		101	70-130		
Toluene	20.8		µg/kg wet		20.0		104	70-130		
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,2,4-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130		
1,3,5-Trichlorobenzene	20.1		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	20.9		µg/kg wet		20.0		104	70-130		
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130		
Trichloroethene	20.9		µg/kg wet		20.0		104	70-130		
Trichlorofluoromethane (Freon 11)	19.4		µg/kg wet		20.0		97	70-130		
1,2,3-Trichloropropane	21.5		µg/kg wet		20.0		107	70-130		
1,2,4-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Vinyl chloride	17.9		µg/kg wet		20.0		89	70-130		
m,p-Xylene	43.0		µg/kg wet		40.0		108	70-130		
o-Xylene	22.2		µg/kg wet		20.0		111	70-130		
Tetrahydrofuran	20.2		µg/kg wet		20.0		101	70-130		
Ethyl ether	18.2		µg/kg wet		20.0		91	70-130		
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		93	70-130		
Ethyl tert-butyl ether	18.6		µg/kg wet		20.0		93	70-130		
Di-isopropyl ether	18.3		µg/kg wet		20.0		91	70-130		
Tert-Butanol / butyl alcohol	172		µg/kg wet		200		86	70-130		
1,4-Dioxane	211		µg/kg wet		200		105	70-130		
trans-1,4-Dichloro-2-butene	20.4		µg/kg wet		20.0		102	70-130		
Ethanol	348		µg/kg wet		400		87	70-130		
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1015668-BSD1)						Prepared & Analyzed: 23-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130	3	25
Acetone	16.6		µg/kg wet		20.0		83	70-130	50	50
Acrylonitrile	19.9		µg/kg wet		20.0		99	70-130	0.7	25
Benzene	20.3		µg/kg wet		20.0		102	70-130	2	25
Bromobenzene	21.5		µg/kg wet		20.0		107	70-130	1	25
Bromochloromethane	22.0		µg/kg wet		20.0		110	70-130	2	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	4	25
Bromoform	21.0		µg/kg wet		20.0		105	70-130	3	25
Bromomethane	17.6		µg/kg wet		20.0		88	70-130	5	50
2-Butanone (MEK)	9.6		µg/kg wet		20.0		48	70-130	15	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015668 - SW846 5035A Soil (low level)										
LCS Dup (1015668-BSD1)					Prepared & Analyzed: 23-Jul-10					
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	4	25
sec-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130	0.6	25
tert-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130	4	25
Carbon disulfide	19.6		µg/kg wet		20.0		98	70-130	4	25
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130	4	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
Chloroethane	17.6		µg/kg wet		20.0		88	70-130	2	50
Chloroform	19.9		µg/kg wet		20.0		99	70-130	3	25
Chloromethane	16.0		µg/kg wet		20.0		80	70-130	3	25
2-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	3	25
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	3	25
1,2-Dibromo-3-chloropropane	18.7		µg/kg wet		20.0		93	70-130	9	25
Dibromochloromethane	19.6		µg/kg wet		20.0		98	70-130	6	50
1,2-Dibromoethane (EDB)	20.8		µg/kg wet		20.0		104	70-130	0.6	25
Dibromomethane	20.7		µg/kg wet		20.0		104	70-130	6	25
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	4	25
1,3-Dichlorobenzene	21.1		µg/kg wet		20.0		105	70-130	2	25
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	6	25
Dichlorodifluoromethane (Freon12)	17.9		µg/kg wet		20.0		89	70-130	2	50
1,1-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130	3	25
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	3	25
1,1-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130	5	25
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	1	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	4	25
1,3-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	0.5	25
2,2-Dichloropropane	19.1		µg/kg wet		20.0		95	70-130	4	25
1,1-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130	2	25
cis-1,3-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130	0.6	25
trans-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130	4	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Hexachlorobutadiene	19.1		µg/kg wet		20.0		95	70-130	1	50
2-Hexanone (MBK)	17.9		µg/kg wet		20.0		90	70-130	0.5	25
Isopropylbenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
4-Isopropyltoluene	19.4		µg/kg wet		20.0		97	70-130	4	25
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130	1	25
4-Methyl-2-pentanone (MIBK)	17.1		µg/kg wet		20.0		86	70-130	12	50
Methylene chloride	21.2		µg/kg wet		20.0		106	70-130	5	25
Naphthalene	17.1		µg/kg wet		20.0		85	70-130	1	25
n-Propylbenzene	20.5		µg/kg wet		20.0		102	70-130	4	25
Styrene	20.7		µg/kg wet		20.0		104	70-130	3	25
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130	0.6	25
1,1,2,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130	2	25
Tetrachloroethene	19.6		µg/kg wet		20.0		98	70-130	3	25
Toluene	19.8		µg/kg wet		20.0		99	70-130	5	25
1,2,3-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	1	25
1,2,4-Trichlorobenzene	17.7		µg/kg wet		20.0		88	70-130	0	25
1,3,5-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,1,1-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130	4	25
1,1,2-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	0.9	25
Trichloroethene	20.6		µg/kg wet		20.0		103	70-130	1	25
Trichlorofluoromethane (Freon 11)	18.5		µg/kg wet		20.0		93	70-130	5	50

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* 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 1015668 - SW846 5035A Soil (low level)										
					Prepared & Analyzed: 23-Jul-10					
LCS Dup (1015668-BSD1)										
1,2,3-Trichloropropane	20.8		µg/kg wet		20.0		104	70-130	3	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
1,3,5-Trimethylbenzene	20.7		µg/kg wet		20.0		104	70-130	3	25
Vinyl chloride	16.9		µg/kg wet		20.0		85	70-130	5	25
m,p-Xylene	42.3		µg/kg wet		40.0		106	70-130	2	25
o-Xylene	21.5		µg/kg wet		20.0		107	70-130	3	25
Tetrahydrofuran	17.7		µg/kg wet		20.0		89	70-130	13	25
Ethyl ether	16.3		µg/kg wet		20.0		82	70-130	11	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		93	70-130	0.9	25
Ethyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130	0.6	25
Di-isopropyl ether	17.7		µg/kg wet		20.0		89	70-130	3	25
Tert-Butanol / butyl alcohol	164		µg/kg wet		200		82	70-130	5	25
1,4-Dioxane	182		µg/kg wet		200		91	70-130	15	25
trans-1,4-Dichloro-2-butene	19.3		µg/kg wet		20.0		96	70-130	6	25
Ethanol	333		µg/kg wet		400		83	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*52.7*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
Batch 1015669 - SW846 5030 Soil (high level)										
					Prepared & Analyzed: 23-Jul-10					
Blank (1015669-BLK1)										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015669 - SW846 5030 Soil (high level)										
Blank (1015669-BLK1)					Prepared & Analyzed: 23-Jul-10					
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg wet		*30.0*		*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 1015669 - SW846 5030 Soil (high level)										
LCS (1015669-BS1)						Prepared & Analyzed: 23-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.0		µg/kg wet		20.0		105	70-130		
Acetone	15.4		µg/kg wet		20.0		77	70-130		
Acrylonitrile	17.6		µg/kg wet		20.0		88	70-130		
Benzene	19.3		µg/kg wet		20.0		96	70-130		
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130		
Bromochloromethane	20.3		µg/kg wet		20.0		101	70-130		
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130		
Bromoform	17.3		µg/kg wet		20.0		86	70-130		
Bromomethane	17.6		µg/kg wet		20.0		88	70-130		
2-Butanone (MEK)	16.8		µg/kg wet		20.0		84	70-130		
n-Butylbenzene	18.7		µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	15.7		µg/kg wet		20.0		78	70-130		
tert-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Carbon disulfide	19.0		µg/kg wet		20.0		95	70-130		
Carbon tetrachloride	24.0		µg/kg wet		20.0		120	70-130		
Chlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Chloroethane	19.1		µg/kg wet		20.0		95	70-130		
Chloroform	17.5		µg/kg wet		20.0		88	70-130		
Chloromethane	17.4		µg/kg wet		20.0		87	70-130		
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.5		µg/kg wet		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	18.9		µg/kg wet		20.0		95	70-130		
Dibromochloromethane	18.9		µg/kg wet		20.0		95	70-130		
1,2-Dibromoethane (EDB)	20.3		µg/kg wet		20.0		101	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	22.0		µg/kg wet		20.0		110	70-130		
1,1-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130		
cis-1,2-Dichloroethene	18.9		µg/kg wet		20.0		95	70-130		
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	19.1		µg/kg wet		20.0		95	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	20.1		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	22.3		µg/kg wet		20.0		111	70-130		
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	70-130		
2-Hexanone (MBK)	15.8		µg/kg wet		20.0		79	70-130		
Isopropylbenzene	20.0		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	19.9		µg/kg wet		20.0		100	70-130		
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130		
4-Methyl-2-pentanone (MIBK)	17.5		µg/kg wet		20.0		88	70-130		
Methylene chloride	18.6		µg/kg wet		20.0		93	70-130		
Naphthalene	17.9		µg/kg wet		20.0		89	70-130		
n-Propylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015669 - SW846 5030 Soil (high level)										
LCS (1015669-BS1)						Prepared & Analyzed: 23-Jul-10				
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130		
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130		
Toluene	18.8		µg/kg wet		20.0		94	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1-Trichloroethane	22.1		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
Trichloroethene	19.5		µg/kg wet		20.0		97	70-130		
Trichlorofluoromethane (Freon 11)	22.5		µg/kg wet		20.0		113	70-130		
1,2,3-Trichloropropane	18.1		µg/kg wet		20.0		90	70-130		
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Vinyl chloride	23.7		µg/kg wet		20.0		118	70-130		
m,p-Xylene	39.4		µg/kg wet		40.0		98	70-130		
o-Xylene	19.7		µg/kg wet		20.0		98	70-130		
Tetrahydrofuran	17.9		µg/kg wet		20.0		89	70-130		
Ethyl ether	19.0		µg/kg wet		20.0		95	70-130		
Tert-amyl methyl ether	19.5		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	144		µg/kg wet		200		72	70-130		
1,4-Dioxane	175		µg/kg wet		200		88	70-130		
trans-1,4-Dichloro-2-butene	22.2		µg/kg wet		20.0		111	70-130		
Ethanol	307		µg/kg wet		400		77	70-130		
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (1015669-BSD1)						Prepared & Analyzed: 23-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.4		µg/kg wet		20.0		97	70-130	8	25
Acetone	16.5		µg/kg wet		20.0		82	70-130	7	50
Acrylonitrile	18.4		µg/kg wet		20.0		92	70-130	4	25
Benzene	19.3		µg/kg wet		20.0		97	70-130	0.3	25
Bromobenzene	20.7		µg/kg wet		20.0		104	70-130	6	25
Bromochloromethane	20.5		µg/kg wet		20.0		102	70-130	1	25
Bromodichloromethane	21.4		µg/kg wet		20.0		107	70-130	0.8	25
Bromoform	18.8		µg/kg wet		20.0		94	70-130	8	25
Bromomethane	16.9		µg/kg wet		20.0		85	70-130	4	50
2-Butanone (MEK)	16.0		µg/kg wet		20.0		80	70-130	5	50
n-Butylbenzene	18.1		µg/kg wet		20.0		90	70-130	3	25
sec-Butylbenzene	21.5	QR2	µg/kg wet		20.0		108	70-130	32	25
tert-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
Carbon disulfide	19.0		µg/kg wet		20.0		95	70-130	0.2	25
Carbon tetrachloride	23.7		µg/kg wet		20.0		119	70-130	1	25
Chlorobenzene	19.8		µg/kg wet		20.0		99	70-130	5	25
Chloroethane	18.9		µg/kg wet		20.0		95	70-130	0.9	50
Chloroform	17.8		µg/kg wet		20.0		89	70-130	1	25
Chloromethane	18.3		µg/kg wet		20.0		92	70-130	5	25
2-Chlorotoluene	20.7		µg/kg wet		20.0		103	70-130	4	25
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	5	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015669 - SW846 5030 Soil (high level)										
LCS Dup (1015669-BSD1)					Prepared & Analyzed: 23-Jul-10					
1,2-Dibromo-3-chloropropane	21.4		µg/kg wet		20.0		107	70-130	12	25
Dibromochloromethane	19.4		µg/kg wet		20.0		97	70-130	3	50
1,2-Dibromoethane (EDB)	21.2		µg/kg wet		20.0		106	70-130	4	25
Dibromomethane	19.4		µg/kg wet		20.0		97	70-130	6	25
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	0.9	25
1,3-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,4-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	1	25
Dichlorodifluoromethane (Freon12)	20.6		µg/kg wet		20.0		103	70-130	7	50
1,1-Dichloroethane	20.1		µg/kg wet		20.0		101	70-130	1	25
1,2-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130	3	25
1,1-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130	2	25
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	0.5	25
trans-1,2-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	2	25
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	3	25
1,3-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	4	25
2,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130	3	25
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	2	25
cis-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130	3	25
trans-1,3-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130	2	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		100	70-130	5	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	5	25
Isopropylbenzene	20.8		µg/kg wet		20.0		104	70-130	4	25
4-Isopropyltoluene	19.4		µg/kg wet		20.0		97	70-130	3	25
Methyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130	2	25
4-Methyl-2-pentanone (MIBK)	18.1		µg/kg wet		20.0		91	70-130	3	50
Methylene chloride	19.1		µg/kg wet		20.0		96	70-130	3	25
Naphthalene	18.7		µg/kg wet		20.0		93	70-130	4	25
n-Propylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Styrene	20.7		µg/kg wet		20.0		104	70-130	6	25
1,1,1,2-Tetrachloroethane	22.1		µg/kg wet		20.0		110	70-130	5	25
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130	7	25
Tetrachloroethene	19.8		µg/kg wet		20.0		99	70-130	2	25
Toluene	19.3		µg/kg wet		20.0		96	70-130	2	25
1,2,3-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	5	25
1,2,4-Trichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	0.2	25
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0	25
1,1,1-Trichloroethane	22.3		µg/kg wet		20.0		112	70-130	0.8	25
1,1,2-Trichloroethane	19.1		µg/kg wet		20.0		96	70-130	0.3	25
Trichloroethene	19.5		µg/kg wet		20.0		97	70-130	0.1	25
Trichlorofluoromethane (Freon 11)	21.4		µg/kg wet		20.0		107	70-130	5	50
1,2,3-Trichloropropane	19.6		µg/kg wet		20.0		98	70-130	8	25
1,2,4-Trimethylbenzene	21.1		µg/kg wet		20.0		105	70-130	4	25
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		107	70-130	5	25
Vinyl chloride	22.9		µg/kg wet		20.0		114	70-130	4	25
m,p-Xylene	41.3		µg/kg wet		40.0		103	70-130	5	25
o-Xylene	20.4		µg/kg wet		20.0		102	70-130	4	25
Tetrahydrofuran	17.1		µg/kg wet		20.0		86	70-130	4	25
Ethyl ether	19.1		µg/kg wet		20.0		96	70-130	0.6	50
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130	0.7	25
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	0.3	25
Di-isopropyl ether	19.8		µg/kg wet		20.0		99	70-130	2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015669 - SW846 5030 Soil (high level)										
LCS Dup (1015669-BSD1)						Prepared & Analyzed: 23-Jul-10				
Tert-Butanol / butyl alcohol	161		µg/kg wet		200		81	70-130	11	25
1,4-Dioxane	181		µg/kg wet		200		90	70-130	3	25
trans-1,4-Dichloro-2-butene	23.5		µg/kg wet		20.0		117	70-130	6	25
Ethanol	311		µg/kg wet		400		78	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Batch 1015799 - SW846 5030 Soil (high level)										
Blank (1015799-BLK1)						Prepared & Analyzed: 26-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015799 - SW846 5030 Soil (high level)										
Blank (1015799-BLK1)					Prepared & Analyzed: 26-Jul-10					
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/kg wet		*30.0*		*85*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.4*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (1015799-BS1)						Prepared & Analyzed: 26-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	17.5		µg/kg wet		20.0		88	70-130		
Acrylonitrile	17.2		µg/kg wet		20.0		86	70-130		
Benzene	19.9		µg/kg wet		20.0		100	70-130		
Bromobenzene	25.7		µg/kg wet		20.0		129	70-130		
Bromochloromethane	21.8		µg/kg wet		20.0		109	70-130		
Bromodichloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromoform	22.1		µg/kg wet		20.0		110	70-130		
Bromomethane	18.4		µg/kg wet		20.0		92	70-130		
2-Butanone (MEK)	20.1		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015799 - SW846 5030 Soil (high level)										
LCS (1015799-BS1)					Prepared & Analyzed: 26-Jul-10					
n-Butylbenzene	15.8		µg/kg wet		20.0		79	70-130		
sec-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
tert-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130		
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	20.8		µg/kg wet		20.0		104	70-130		
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
Chloroethane	17.7		µg/kg wet		20.0		88	70-130		
Chloroform	19.5		µg/kg wet		20.0		98	70-130		
Chloromethane	14.5		µg/kg wet		20.0		72	70-130		
2-Chlorotoluene	25.5		µg/kg wet		20.0		128	70-130		
4-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dibromoethane (EDB)	22.1		µg/kg wet		20.0		110	70-130		
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	22.1		µg/kg wet		20.0		111	70-130		
1,3-Dichlorobenzene	24.9		µg/kg wet		20.0		124	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	16.0		µg/kg wet		20.0		80	70-130		
1,1-Dichloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichloropropane	22.0		µg/kg wet		20.0		110	70-130		
2,2-Dichloropropane	21.3		µg/kg wet		20.0		106	70-130		
1,1-Dichloropropene	19.9		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	22.3		µg/kg wet		20.0		112	70-130		
trans-1,3-Dichloropropene	23.0		µg/kg wet		20.0		115	70-130		
Ethylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Hexachlorobutadiene	24.1		µg/kg wet		20.0		121	70-130		
2-Hexanone (MBK)	19.4		µg/kg wet		20.0		97	70-130		
Isopropylbenzene	23.5		µg/kg wet		20.0		117	70-130		
4-Isopropyltoluene	17.7		µg/kg wet		20.0		88	70-130		
Methyl tert-butyl ether	21.1		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	24.0		µg/kg wet		20.0		120	70-130		
Methylene chloride	19.7		µg/kg wet		20.0		99	70-130		
Naphthalene	18.2		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	18.3		µg/kg wet		20.0		91	70-130		
Styrene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	27.0	QC2	µg/kg wet		20.0		135	70-130		
1,1,2,2-Tetrachloroethane	19.5		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	24.4		µg/kg wet		20.0		122	70-130		
Toluene	22.4		µg/kg wet		20.0		112	70-130		
1,2,3-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130		
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,3,5-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	20.9		µg/kg wet		20.0		104	70-130		
1,1,2-Trichloroethane	22.7		µg/kg wet		20.0		113	70-130		
Trichloroethene	20.3		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.2		µg/kg wet		20.0		96	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015799 - SW846 5030 Soil (high level)										
LCS (1015799-BS1)						Prepared & Analyzed: 26-Jul-10				
1,2,3-Trichloropropane	22.6		µg/kg wet		20.0		113	70-130		
1,2,4-Trimethylbenzene	19.3		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	18.7		µg/kg wet		20.0		94	70-130		
Vinyl chloride	17.8		µg/kg wet		20.0		89	70-130		
m,p-Xylene	41.9		µg/kg wet		40.0		105	70-130		
o-Xylene	21.2		µg/kg wet		20.0		106	70-130		
Tetrahydrofuran	16.9		µg/kg wet		20.0		84	70-130		
Ethyl ether	20.9		µg/kg wet		20.0		105	70-130		
Tert-amyl methyl ether	19.9		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	19.3		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	17.2		µg/kg wet		20.0		86	70-130		
Tert-Butanol / butyl alcohol	212		µg/kg wet		200		106	70-130		
1,4-Dioxane	202		µg/kg wet		200		101	70-130		
trans-1,4-Dichloro-2-butene	17.3		µg/kg wet		20.0		87	70-130		
Ethanol	348		µg/kg wet		400		87	70-130		
Surrogate: 4-Bromofluorobenzene	*33.3*		µg/kg wet		*30.0*		*111*	*70-130*		
Surrogate: Toluene-d8	*32.7*		µg/kg wet		*30.0*		*109*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
LCS Dup (1015799-BSD1)						Prepared & Analyzed: 26-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.8		µg/kg wet		20.0		94	70-130	4	25
Acetone	18.8		µg/kg wet		20.0		94	70-130	7	50
Acrylonitrile	16.6		µg/kg wet		20.0		83	70-130	4	25
Benzene	19.2		µg/kg wet		20.0		96	70-130	4	25
Bromobenzene	24.4		µg/kg wet		20.0		122	70-130	5	25
Bromochloromethane	20.9		µg/kg wet		20.0		105	70-130	4	25
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130	7	25
Bromoform	21.7		µg/kg wet		20.0		109	70-130	1	25
Bromomethane	17.3		µg/kg wet		20.0		87	70-130	6	50
2-Butanone (MEK)	20.7		µg/kg wet		20.0		103	70-130	3	50
n-Butylbenzene	14.9		µg/kg wet		20.0		74	70-130	6	25
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Carbon disulfide	20.7		µg/kg wet		20.0		103	70-130	7	25
Carbon tetrachloride	19.1		µg/kg wet		20.0		96	70-130	8	25
Chlorobenzene	21.1		µg/kg wet		20.0		105	70-130	3	25
Chloroethane	16.9		µg/kg wet		20.0		85	70-130	4	50
Chloroform	18.6		µg/kg wet		20.0		93	70-130	5	25
Chloromethane	14.0		µg/kg wet		20.0		70	70-130	3	25
2-Chlorotoluene	23.6		µg/kg wet		20.0		118	70-130	8	25
4-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130	3	25
1,2-Dibromo-3-chloropropane	17.7		µg/kg wet		20.0		88	70-130	4	25
Dibromochloromethane	21.3		µg/kg wet		20.0		107	70-130	6	50
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		104	70-130	5	25
Dibromomethane	19.9		µg/kg wet		20.0		99	70-130	5	25
1,2-Dichlorobenzene	21.3		µg/kg wet		20.0		107	70-130	4	25
1,3-Dichlorobenzene	24.1		µg/kg wet		20.0		121	70-130	3	25
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		95	70-130	5	25
Dichlorodifluoromethane (Freon12)	15.6		µg/kg wet		20.0		78	70-130	2	50
1,1-Dichloroethane	17.9		µg/kg wet		20.0		90	70-130	5	25
1,2-Dichloroethane	17.3		µg/kg wet		20.0		86	70-130	4	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015799 - SW846 5030 Soil (high level)										
LCS Dup (1015799-BSD1)					Prepared & Analyzed: 26-Jul-10					
1,1-Dichloroethene	19.7		µg/kg wet		20.0		99	70-130	5	25
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25
trans-1,2-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130	5	25
1,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	6	25
1,3-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	4	25
2,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	8	25
1,1-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	5	25
cis-1,3-Dichloropropene	21.9		µg/kg wet		20.0		110	70-130	2	25
trans-1,3-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130	5	25
Ethylbenzene	18.9		µg/kg wet		20.0		95	70-130	4	25
Hexachlorobutadiene	23.3		µg/kg wet		20.0		117	70-130	3	50
2-Hexanone (MBK)	19.3		µg/kg wet		20.0		97	70-130	0.7	25
Isopropylbenzene	23.1		µg/kg wet		20.0		116	70-130	2	25
4-Isopropyltoluene	17.0		µg/kg wet		20.0		85	70-130	4	25
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		101	70-130	4	25
4-Methyl-2-pentanone (MIBK)	25.4		µg/kg wet		20.0		127	70-130	5	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	4	25
Naphthalene	17.7		µg/kg wet		20.0		88	70-130	3	25
n-Propylbenzene	17.3		µg/kg wet		20.0		87	70-130	5	25
Styrene	18.0		µg/kg wet		20.0		90	70-130	1	25
1,1,1,2-Tetrachloroethane	26.4	QC2	µg/kg wet		20.0		132	70-130	2	25
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	2	25
Tetrachloroethene	23.2		µg/kg wet		20.0		116	70-130	5	25
Toluene	21.2		µg/kg wet		20.0		106	70-130	6	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		93	70-130	7	25
1,2,4-Trichlorobenzene	17.1		µg/kg wet		20.0		86	70-130	4	25
1,3,5-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
1,1,1-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130	6	25
1,1,2-Trichloroethane	22.1		µg/kg wet		20.0		111	70-130	2	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	4	25
Trichlorofluoromethane (Freon 11)	18.7		µg/kg wet		20.0		93	70-130	3	50
1,2,3-Trichloropropane	22.3		µg/kg wet		20.0		112	70-130	1	25
1,2,4-Trimethylbenzene	18.7		µg/kg wet		20.0		94	70-130	3	25
1,3,5-Trimethylbenzene	18.5		µg/kg wet		20.0		93	70-130	0.9	25
Vinyl chloride	15.9		µg/kg wet		20.0		79	70-130	12	25
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130	3	25
o-Xylene	20.9		µg/kg wet		20.0		105	70-130	1	25
Tetrahydrofuran	16.2		µg/kg wet		20.0		81	70-130	4	25
Ethyl ether	19.6		µg/kg wet		20.0		98	70-130	7	50
Tert-amyl methyl ether	19.0		µg/kg wet		20.0		95	70-130	5	25
Ethyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130	4	25
Di-isopropyl ether	16.4		µg/kg wet		20.0		82	70-130	5	25
Tert-Butanol / butyl alcohol	199		µg/kg wet		200		100	70-130	6	25
1,4-Dioxane	188		µg/kg wet		200		94	70-130	7	25
trans-1,4-Dichloro-2-butene	16.9		µg/kg wet		20.0		85	70-130	2	25
Ethanol	334		µg/kg wet		400		83	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*33.2*		µg/kg wet		*30.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*32.4*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*98*	*70-130*		

Batch 1015801 - SW846 5030 Water MS

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015801 - SW846 5030 Water MS										
Blank (1015801-BLK1)						Prepared & Analyzed: 26-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	2.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	2.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015801 - SW846 5030 Water MS										
Blank (1015801-BLK1)						Prepared & Analyzed: 26-Jul-10				
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	2.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.6*		µg/l		*30.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*33.0*		µg/l		*30.0*		*110*	*70-130*		
LCS (1015801-BS1)						Prepared & Analyzed: 26-Jul-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.8		µg/l		20.0		104	70-130		
Acetone	15.8		µg/l		20.0		79	70-130		
Acrylonitrile	17.5		µg/l		20.0		87	70-130		
Benzene	19.5		µg/l		20.0		97	70-130		
Bromobenzene	20.4		µg/l		20.0		102	70-130		
Bromochloromethane	21.0		µg/l		20.0		105	70-130		
Bromodichloromethane	23.0		µg/l		20.0		115	70-130		
Bromoform	19.8		µg/l		20.0		99	70-130		
Bromomethane	18.6		µg/l		20.0		93	70-130		
2-Butanone (MEK)	14.9		µg/l		20.0		74	70-130		
n-Butylbenzene	19.2		µg/l		20.0		96	70-130		
sec-Butylbenzene	16.1		µg/l		20.0		80	70-130		
tert-Butylbenzene	21.5		µg/l		20.0		108	70-130		
Carbon disulfide	20.2		µg/l		20.0		101	70-130		
Carbon tetrachloride	27.5	QC2	µg/l		20.0		137	70-130		
Chlorobenzene	19.4		µg/l		20.0		97	70-130		
Chloroethane	19.6		µg/l		20.0		98	70-130		
Chloroform	18.7		µg/l		20.0		93	70-130		
Chloromethane	18.1		µg/l		20.0		90	70-130		
2-Chlorotoluene	20.6		µg/l		20.0		103	70-130		
4-Chlorotoluene	20.6		µg/l		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 1015801 - SW846 5030 Water MS										
LCS (1015801-BS1)					Prepared & Analyzed: 26-Jul-10					
1,2-Dibromo-3-chloropropane	21.3		µg/l		20.0		107	70-130		
Dibromochloromethane	20.6		µg/l		20.0		103	70-130		
1,2-Dibromoethane (EDB)	21.1		µg/l		20.0		106	70-130		
Dibromomethane	19.5		µg/l		20.0		97	70-130		
1,2-Dichlorobenzene	19.0		µg/l		20.0		95	70-130		
1,3-Dichlorobenzene	20.7		µg/l		20.0		103	70-130		
1,4-Dichlorobenzene	18.9		µg/l		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	19.9		µg/l		20.0		99	70-130		
1,1-Dichloroethane	20.6		µg/l		20.0		103	70-130		
1,2-Dichloroethane	21.5		µg/l		20.0		107	70-130		
1,1-Dichloroethene	20.1		µg/l		20.0		100	70-130		
cis-1,2-Dichloroethene	19.3		µg/l		20.0		96	70-130		
trans-1,2-Dichloroethene	20.1		µg/l		20.0		100	70-130		
1,2-Dichloropropane	19.9		µg/l		20.0		100	70-130		
1,3-Dichloropropane	19.0		µg/l		20.0		95	70-130		
2,2-Dichloropropane	25.2		µg/l		20.0		126	70-130		
1,1-Dichloropropene	20.3		µg/l		20.0		102	70-130		
cis-1,3-Dichloropropene	22.0		µg/l		20.0		110	70-130		
trans-1,3-Dichloropropene	25.5		µg/l		20.0		128	70-130		
Ethylbenzene	20.3		µg/l		20.0		102	70-130		
Hexachlorobutadiene	20.0		µg/l		20.0		100	70-130		
2-Hexanone (MBK)	16.2		µg/l		20.0		81	70-130		
Isopropylbenzene	20.5		µg/l		20.0		102	70-130		
4-Isopropyltoluene	20.2		µg/l		20.0		101	70-130		
Methyl tert-butyl ether	20.2		µg/l		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	17.2		µg/l		20.0		86	70-130		
Methylene chloride	18.6		µg/l		20.0		93	70-130		
Naphthalene	16.4		µg/l		20.0		82	70-130		
n-Propylbenzene	20.5		µg/l		20.0		102	70-130		
Styrene	20.0		µg/l		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	23.1		µg/l		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	17.4		µg/l		20.0		87	70-130		
Tetrachloroethene	20.7		µg/l		20.0		104	70-130		
Toluene	19.4		µg/l		20.0		97	70-130		
1,2,3-Trichlorobenzene	18.1		µg/l		20.0		90	70-130		
1,2,4-Trichlorobenzene	18.9		µg/l		20.0		94	70-130		
1,3,5-Trichlorobenzene	19.5		µg/l		20.0		98	70-130		
1,1,1-Trichloroethane	24.9		µg/l		20.0		124	70-130		
1,1,2-Trichloroethane	18.8		µg/l		20.0		94	70-130		
Trichloroethene	20.4		µg/l		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	23.7		µg/l		20.0		118	70-130		
1,2,3-Trichloropropane	18.4		µg/l		20.0		92	70-130		
1,2,4-Trimethylbenzene	21.0		µg/l		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.3		µg/l		20.0		106	70-130		
Vinyl chloride	24.5		µg/l		20.0		123	70-130		
m,p-Xylene	40.4		µg/l		40.0		101	70-130		
o-Xylene	20.1		µg/l		20.0		101	70-130		
Tetrahydrofuran	16.8		µg/l		20.0		84	70-130		
Ethyl ether	18.0		µg/l		20.0		90	70-130		
Tert-amyl methyl ether	18.8		µg/l		20.0		94	70-130		
Ethyl tert-butyl ether	20.5		µg/l		20.0		102	70-130		
Di-isopropyl ether	19.9		µg/l		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 1015801 - SW846 5030 Water MS										
LCS (1015801-BS1)					Prepared & Analyzed: 26-Jul-10					
Tert-Butanol / butyl alcohol	161		µg/l		200		81	70-130		
1,4-Dioxane	159		µg/l		200		80	70-130		
trans-1,4-Dichloro-2-butene	24.8		µg/l		20.0		124	70-130		
Ethanol	308		µg/l		400		77	70-130		
Surrogate: 4-Bromofluorobenzene	*31.5*		µg/l		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.2*		µg/l		*30.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*32.5*		µg/l		*30.0*		*108*	*70-130*		
LCS Dup (1015801-BSD1)					Prepared & Analyzed: 26-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.3		µg/l		20.0		106	70-130	2	25
Acetone	13.6		µg/l		20.0		68	70-130	15	50
Acrylonitrile	17.7		µg/l		20.0		88	70-130	1	25
Benzene	19.8		µg/l		20.0		99	70-130	2	25
Bromobenzene	21.0		µg/l		20.0		105	70-130	3	25
Bromochloromethane	20.7		µg/l		20.0		103	70-130	1	25
Bromodichloromethane	23.1		µg/l		20.0		116	70-130	0.6	25
Bromoform	19.5		µg/l		20.0		98	70-130	1	25
Bromomethane	18.1		µg/l		20.0		90	70-130	2	50
2-Butanone (MEK)	14.7		µg/l		20.0		73	70-130	1	50
n-Butylbenzene	19.7		µg/l		20.0		98	70-130	2	25
sec-Butylbenzene	16.6		µg/l		20.0		83	70-130	4	25
tert-Butylbenzene	22.0		µg/l		20.0		110	70-130	2	25
Carbon disulfide	20.4		µg/l		20.0		102	70-130	0.9	25
Carbon tetrachloride	27.5	QC2	µg/l		20.0		138	70-130	0.1	25
Chlorobenzene	19.9		µg/l		20.0		99	70-130	2	25
Chloroethane	19.0		µg/l		20.0		95	70-130	3	50
Chloroform	18.8		µg/l		20.0		94	70-130	0.7	25
Chloromethane	18.4		µg/l		20.0		92	70-130	2	25
2-Chlorotoluene	21.1		µg/l		20.0		105	70-130	2	25
4-Chlorotoluene	21.0		µg/l		20.0		105	70-130	2	25
1,2-Dibromo-3-chloropropane	20.9		µg/l		20.0		104	70-130	2	25
Dibromochloromethane	19.6		µg/l		20.0		98	70-130	5	50
1,2-Dibromoethane (EDB)	20.4		µg/l		20.0		102	70-130	3	25
Dibromomethane	19.0		µg/l		20.0		95	70-130	2	25
1,2-Dichlorobenzene	19.2		µg/l		20.0		96	70-130	0.7	25
1,3-Dichlorobenzene	20.9		µg/l		20.0		104	70-130	1	25
1,4-Dichlorobenzene	18.9		µg/l		20.0		95	70-130	0.4	25
Dichlorodifluoromethane (Freon12)	21.2		µg/l		20.0		106	70-130	7	50
1,1-Dichloroethane	20.8		µg/l		20.0		104	70-130	0.7	25
1,2-Dichloroethane	21.2		µg/l		20.0		106	70-130	1	25
1,1-Dichloroethene	20.6		µg/l		20.0		103	70-130	3	25
cis-1,2-Dichloroethene	19.6		µg/l		20.0		98	70-130	2	25
trans-1,2-Dichloroethene	21.2		µg/l		20.0		106	70-130	5	25
1,2-Dichloropropane	19.5		µg/l		20.0		98	70-130	2	25
1,3-Dichloropropane	19.1		µg/l		20.0		95	70-130	0.2	25
2,2-Dichloropropane	25.4		µg/l		20.0		127	70-130	0.8	25
1,1-Dichloropropene	21.2		µg/l		20.0		106	70-130	4	25
cis-1,3-Dichloropropene	21.5		µg/l		20.0		108	70-130	2	25
trans-1,3-Dichloropropene	25.3		µg/l		20.0		127	70-130	0.6	25
Ethylbenzene	20.9		µg/l		20.0		105	70-130	3	25
Hexachlorobutadiene	21.1		µg/l		20.0		105	70-130	5	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015801 - SW846 5030 Water MS										
LCS Dup (1015801-BSD1)					Prepared & Analyzed: 26-Jul-10					
2-Hexanone (MBK)	15.2		µg/l		20.0		76	70-130	6	25
Isopropylbenzene	21.5		µg/l		20.0		108	70-130	5	25
4-Isopropyltoluene	20.6		µg/l		20.0		103	70-130	2	25
Methyl tert-butyl ether	19.9		µg/l		20.0		100	70-130	1	25
4-Methyl-2-pentanone (MIBK)	17.0		µg/l		20.0		85	70-130	1	50
Methylene chloride	18.7		µg/l		20.0		93	70-130	0.3	25
Naphthalene	16.8		µg/l		20.0		84	70-130	2	25
n-Propylbenzene	21.0		µg/l		20.0		105	70-130	2	25
Styrene	20.2		µg/l		20.0		101	70-130	0.7	25
1,1,1,2-Tetrachloroethane	23.6		µg/l		20.0		118	70-130	2	25
1,1,2,2-Tetrachloroethane	17.6		µg/l		20.0		88	70-130	1	25
Tetrachloroethene	21.0		µg/l		20.0		105	70-130	2	25
Toluene	19.5		µg/l		20.0		97	70-130	0.4	25
1,2,3-Trichlorobenzene	19.0		µg/l		20.0		95	70-130	5	25
1,2,4-Trichlorobenzene	19.2		µg/l		20.0		96	70-130	2	25
1,3,5-Trichlorobenzene	19.9		µg/l		20.0		100	70-130	2	25
1,1,1-Trichloroethane	25.4		µg/l		20.0		127	70-130	2	25
1,1,2-Trichloroethane	18.8		µg/l		20.0		94	70-130	0.5	25
Trichloroethene	20.5		µg/l		20.0		102	70-130	0.2	25
Trichlorofluoromethane (Freon 11)	24.5		µg/l		20.0		122	70-130	3	50
1,2,3-Trichloropropane	18.8		µg/l		20.0		94	70-130	2	25
1,2,4-Trimethylbenzene	21.7		µg/l		20.0		109	70-130	3	25
1,3,5-Trimethylbenzene	21.6		µg/l		20.0		108	70-130	1	25
Vinyl chloride	22.5		µg/l		20.0		112	70-130	9	25
m,p-Xylene	41.6		µg/l		40.0		104	70-130	3	25
o-Xylene	20.5		µg/l		20.0		102	70-130	2	25
Tetrahydrofuran	16.8		µg/l		20.0		84	70-130	0.1	25
Ethyl ether	18.4		µg/l		20.0		92	70-130	3	50
Tert-amyl methyl ether	18.4		µg/l		20.0		92	70-130	2	25
Ethyl tert-butyl ether	19.9		µg/l		20.0		100	70-130	3	25
Di-isopropyl ether	19.8		µg/l		20.0		99	70-130	0.5	25
Tert-Butanol / butyl alcohol	160		µg/l		200		80	70-130	0.6	25
1,4-Dioxane	164		µg/l		200		82	70-130	3	25
trans-1,4-Dichloro-2-butene	25.1		µg/l		20.0		125	70-130	1	25
Ethanol	292		µg/l		400		73	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*31.9*		µg/l		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.7*		µg/l		*30.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*32.0*		µg/l		*30.0*		*107*	*70-130*		
Matrix Spike (1015801-MS1)				Source: SB15521-24	Prepared & Analyzed: 26-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.0	QM7	µg/l		20.0	BRL	135	70-130		
Acetone	14.9	QM7	µg/l		20.0	2.2	63	70-130		
Acrylonitrile	17.0		µg/l		20.0	BRL	85	70-130		
Benzene	22.3		µg/l		20.0	BRL	111	70-130		
Bromobenzene	22.7		µg/l		20.0	BRL	113	70-130		
Bromochloromethane	22.1		µg/l		20.0	BRL	111	70-130		
Bromodichloromethane	24.6		µg/l		20.0	BRL	123	70-130		
Bromoform	19.4		µg/l		20.0	BRL	97	70-130		
Bromomethane	18.3		µg/l		20.0	BRL	92	70-130		
2-Butanone (MEK)	15.3		µg/l		20.0	BRL	77	70-130		
n-Butylbenzene	25.4		µg/l		20.0	BRL	127	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015801 - SW846 5030 Water MS										
Matrix Spike (1015801-MS1)			Source: SB15521-24		Prepared & Analyzed: 26-Jul-10					
sec-Butylbenzene	19.4		µg/l		20.0	BRL	97	70-130		
tert-Butylbenzene	25.5		µg/l		20.0	BRL	128	70-130		
Carbon disulfide	22.4		µg/l		20.0	BRL	112	70-130		
Carbon tetrachloride	30.8	QC2	µg/l		20.0	BRL	154	70-130		
Chlorobenzene	21.5		µg/l		20.0	BRL	107	70-130		
Chloroethane	21.1		µg/l		20.0	BRL	105	70-130		
Chloroform	20.8		µg/l		20.0	BRL	104	70-130		
Chloromethane	19.4		µg/l		20.0	0.7	94	70-130		
2-Chlorotoluene	23.7		µg/l		20.0	BRL	119	70-130		
4-Chlorotoluene	24.0		µg/l		20.0	BRL	120	70-130		
1,2-Dibromo-3-chloropropane	20.5		µg/l		20.0	BRL	102	70-130		
Dibromochloromethane	20.9		µg/l		20.0	BRL	104	70-130		
1,2-Dibromoethane (EDB)	22.1		µg/l		20.0	BRL	110	70-130		
Dibromomethane	20.8		µg/l		20.0	BRL	104	70-130		
1,2-Dichlorobenzene	21.6		µg/l		20.0	BRL	108	70-130		
1,3-Dichlorobenzene	23.2		µg/l		20.0	BRL	116	70-130		
1,4-Dichlorobenzene	21.5		µg/l		20.0	BRL	107	70-130		
Dichlorodifluoromethane (Freon12)	22.3		µg/l		20.0	BRL	111	70-130		
1,1-Dichloroethane	20.1		µg/l		20.0	BRL	101	70-130		
1,2-Dichloroethane	23.2		µg/l		20.0	BRL	116	70-130		
1,1-Dichloroethene	23.5		µg/l		20.0	BRL	118	70-130		
cis-1,2-Dichloroethene	22.5		µg/l		20.0	0.5	110	70-130		
trans-1,2-Dichloroethene	20.7		µg/l		20.0	BRL	104	70-130		
1,2-Dichloropropane	21.6		µg/l		20.0	BRL	108	70-130		
1,3-Dichloropropane	20.4		µg/l		20.0	BRL	102	70-130		
2,2-Dichloropropane	29.0	QM7	µg/l		20.0	BRL	145	70-130		
1,1-Dichloropropene	24.0		µg/l		20.0	BRL	120	70-130		
cis-1,3-Dichloropropene	22.5		µg/l		20.0	BRL	112	70-130		
trans-1,3-Dichloropropene	25.4		µg/l		20.0	BRL	127	70-130		
Ethylbenzene	23.8		µg/l		20.0	BRL	119	70-130		
Hexachlorobutadiene	26.5	QM7	µg/l		20.0	BRL	133	70-130		
2-Hexanone (MBK)	16.1		µg/l		20.0	BRL	81	70-130		
Isopropylbenzene	24.4		µg/l		20.0	BRL	122	70-130		
4-Isopropyltoluene	24.9		µg/l		20.0	BRL	125	70-130		
Methyl tert-butyl ether	18.4		µg/l		20.0	BRL	92	70-130		
4-Methyl-2-pentanone (MIBK)	17.7		µg/l		20.0	BRL	88	70-130		
Methylene chloride	20.8		µg/l		20.0	BRL	104	70-130		
Naphthalene	19.6		µg/l		20.0	BRL	98	70-130		
n-Propylbenzene	24.4		µg/l		20.0	BRL	122	70-130		
Styrene	22.1		µg/l		20.0	BRL	110	70-130		
1,1,1,2-Tetrachloroethane	24.3		µg/l		20.0	BRL	121	70-130		
1,1,2,2-Tetrachloroethane	18.6		µg/l		20.0	BRL	93	70-130		
Tetrachloroethene	25.1		µg/l		20.0	0.6	123	70-130		
Toluene	23.8		µg/l		20.0	1.5	112	70-130		
1,2,3-Trichlorobenzene	22.2		µg/l		20.0	BRL	111	70-130		
1,2,4-Trichlorobenzene	23.0		µg/l		20.0	BRL	115	70-130		
1,3,5-Trichlorobenzene	23.8		µg/l		20.0	BRL	119	70-130		
1,1,1-Trichloroethane	28.1	QM7	µg/l		20.0	BRL	140	70-130		
1,1,2-Trichloroethane	20.4		µg/l		20.0	BRL	102	70-130		
Trichloroethene	32.9		µg/l		20.0	9.8	116	70-130		
Trichlorofluoromethane (Freon 11)	29.4	QM7	µg/l		20.0	BRL	147	70-130		
1,2,3-Trichloropropane	19.4		µg/l		20.0	BRL	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 1015801 - SW846 5030 Water MS										
Matrix Spike (1015801-MS1)			Source: SB15521-24		Prepared & Analyzed: 26-Jul-10					
1,2,4-Trimethylbenzene	25.1		µg/l		20.0	BRL	126	70-130		
1,3,5-Trimethylbenzene	25.1		µg/l		20.0	BRL	125	70-130		
Vinyl chloride	31.4	QM7	µg/l		20.0	BRL	157	70-130		
m,p-Xylene	47.0		µg/l		40.0	0.9	115	70-130		
o-Xylene	23.2		µg/l		20.0	BRL	116	70-130		
Tetrahydrofuran	16.7		µg/l		20.0	BRL	83	70-130		
Ethyl ether	19.0		µg/l		20.0	BRL	95	70-130		
Tert-amyl methyl ether	20.7		µg/l		20.0	BRL	103	70-130		
Ethyl tert-butyl ether	21.3		µg/l		20.0	BRL	106	70-130		
Di-isopropyl ether	20.9		µg/l		20.0	BRL	105	70-130		
Tert-Butanol / butyl alcohol	156		µg/l		200	BRL	78	70-130		
1,4-Dioxane	174		µg/l		200	BRL	87	70-130		
trans-1,4-Dichloro-2-butene	24.0		µg/l		20.0	BRL	120	70-130		
Ethanol	317		µg/l		400	BRL	79	70-130		
Surrogate: 4-Bromofluorobenzene	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*33.9*		µg/l		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*32.1*		µg/l		*30.0*		*107*	*70-130*		
Matrix Spike Dup (1015801-MSD1)			Source: SB15521-24		Prepared & Analyzed: 26-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.4	QM7	µg/l		20.0	BRL	132	70-130	3	30
Acetone	15.7	QM7	µg/l		20.0	2.2	67	70-130	6	30
Acrylonitrile	17.0		µg/l		20.0	BRL	85	70-130	0.2	30
Benzene	21.7		µg/l		20.0	BRL	109	70-130	3	30
Bromobenzene	22.2		µg/l		20.0	BRL	111	70-130	2	30
Bromochloromethane	21.8		µg/l		20.0	BRL	109	70-130	2	30
Bromodichloromethane	23.1		µg/l		20.0	BRL	116	70-130	6	30
Bromoform	18.5		µg/l		20.0	BRL	93	70-130	4	30
Bromomethane	18.6		µg/l		20.0	BRL	93	70-130	2	30
2-Butanone (MEK)	15.4		µg/l		20.0	BRL	77	70-130	0.1	30
n-Butylbenzene	23.6		µg/l		20.0	BRL	118	70-130	7	30
sec-Butylbenzene	18.7		µg/l		20.0	BRL	93	70-130	4	30
tert-Butylbenzene	25.3		µg/l		20.0	BRL	127	70-130	0.7	30
Carbon disulfide	21.4		µg/l		20.0	BRL	107	70-130	4	30
Carbon tetrachloride	29.0	QC2	µg/l		20.0	BRL	145	70-130	6	30
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130	0.2	30
Chloroethane	20.7		µg/l		20.0	BRL	103	70-130	2	30
Chloroform	20.1		µg/l		20.0	BRL	101	70-130	3	30
Chloromethane	19.1		µg/l		20.0	0.7	92	70-130	2	30
2-Chlorotoluene	23.0		µg/l		20.0	BRL	115	70-130	3	30
4-Chlorotoluene	23.4		µg/l		20.0	BRL	117	70-130	3	30
1,2-Dibromo-3-chloropropane	19.5		µg/l		20.0	BRL	98	70-130	5	30
Dibromochloromethane	19.8		µg/l		20.0	BRL	99	70-130	5	30
1,2-Dibromoethane (EDB)	21.6		µg/l		20.0	BRL	108	70-130	2	30
Dibromomethane	19.7		µg/l		20.0	BRL	99	70-130	5	30
1,2-Dichlorobenzene	20.8		µg/l		20.0	BRL	104	70-130	4	30
1,3-Dichlorobenzene	23.0		µg/l		20.0	BRL	115	70-130	0.8	30
1,4-Dichlorobenzene	21.0		µg/l		20.0	BRL	105	70-130	2	30
Dichlorodifluoromethane (Freon12)	21.3		µg/l		20.0	BRL	106	70-130	5	30
1,1-Dichloroethane	23.2		µg/l		20.0	BRL	116	70-130	14	30
1,2-Dichloroethane	22.1		µg/l		20.0	BRL	110	70-130	5	30
1,1-Dichloroethene	23.6		µg/l		20.0	BRL	118	70-130	0.4	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015801 - SW846 5030 Water MS										
Matrix Spike Dup (1015801-MSD1)			Source: SB15521-24		Prepared & Analyzed: 26-Jul-10					
cis-1,2-Dichloroethene	21.7		µg/l		20.0	0.5	106	70-130	4	30
trans-1,2-Dichloroethene	20.0		µg/l		20.0	BRL	100	70-130	3	30
1,2-Dichloropropane	20.8		µg/l		20.0	BRL	104	70-130	3	30
1,3-Dichloropropane	19.8		µg/l		20.0	BRL	99	70-130	3	30
2,2-Dichloropropane	29.1	QM7	µg/l		20.0	BRL	145	70-130	0.4	30
1,1-Dichloropropene	23.5		µg/l		20.0	BRL	117	70-130	2	30
cis-1,3-Dichloropropene	21.8		µg/l		20.0	BRL	109	70-130	3	30
trans-1,3-Dichloropropene	24.6		µg/l		20.0	BRL	123	70-130	3	30
Ethylbenzene	23.7		µg/l		20.0	BRL	118	70-130	0.3	30
Hexachlorobutadiene	25.6		µg/l		20.0	BRL	128	70-130	4	30
2-Hexanone (MBK)	15.5		µg/l		20.0	BRL	78	70-130	4	30
Isopropylbenzene	24.0		µg/l		20.0	BRL	120	70-130	1	30
4-Isopropyltoluene	23.5		µg/l		20.0	BRL	117	70-130	6	30
Methyl tert-butyl ether	20.4		µg/l		20.0	BRL	102	70-130	10	30
4-Methyl-2-pentanone (MIBK)	17.4		µg/l		20.0	BRL	87	70-130	1	30
Methylene chloride	20.0		µg/l		20.0	BRL	100	70-130	4	30
Naphthalene	18.4		µg/l		20.0	BRL	92	70-130	7	30
n-Propylbenzene	24.4		µg/l		20.0	BRL	122	70-130	0.1	30
Styrene	21.1		µg/l		20.0	BRL	106	70-130	4	30
1,1,1,2-Tetrachloroethane	23.6		µg/l		20.0	BRL	118	70-130	3	30
1,1,2,2-Tetrachloroethane	18.4		µg/l		20.0	BRL	92	70-130	1	30
Tetrachloroethene	24.6		µg/l		20.0	0.6	120	70-130	2	30
Toluene	22.9		µg/l		20.0	1.5	107	70-130	4	30
1,2,3-Trichlorobenzene	20.8		µg/l		20.0	BRL	104	70-130	7	30
1,2,4-Trichlorobenzene	22.1		µg/l		20.0	BRL	110	70-130	4	30
1,3,5-Trichlorobenzene	22.6		µg/l		20.0	BRL	113	70-130	6	30
1,1,1-Trichloroethane	27.7	QM7	µg/l		20.0	BRL	139	70-130	1	30
1,1,2-Trichloroethane	19.4		µg/l		20.0	BRL	97	70-130	5	30
Trichloroethene	32.2		µg/l		20.0	9.8	112	70-130	3	30
Trichlorofluoromethane (Freon 11)	28.5	QM7	µg/l		20.0	BRL	142	70-130	3	30
1,2,3-Trichloropropane	19.3		µg/l		20.0	BRL	97	70-130	0.2	30
1,2,4-Trimethylbenzene	24.3		µg/l		20.0	BRL	122	70-130	3	30
1,3,5-Trimethylbenzene	23.9		µg/l		20.0	BRL	120	70-130	5	30
Vinyl chloride	27.7	QM7	µg/l		20.0	BRL	138	70-130	13	30
m,p-Xylene	46.8		µg/l		40.0	0.9	115	70-130	0.4	30
o-Xylene	22.7		µg/l		20.0	BRL	113	70-130	2	30
Tetrahydrofuran	17.0		µg/l		20.0	BRL	85	70-130	2	30
Ethyl ether	18.4		µg/l		20.0	BRL	92	70-130	3	30
Tert-amyl methyl ether	19.6		µg/l		20.0	BRL	98	70-130	5	30
Ethyl tert-butyl ether	21.0		µg/l		20.0	BRL	105	70-130	1	30
Di-isopropyl ether	20.5		µg/l		20.0	BRL	102	70-130	2	30
Tert-Butanol / butyl alcohol	158		µg/l		200	BRL	79	70-130	0.7	30
1,4-Dioxane	164		µg/l		200	BRL	82	70-130	6	30
trans-1,4-Dichloro-2-butene	22.5		µg/l		20.0	BRL	113	70-130	7	30
Ethanol	303		µg/l		400	BRL	76	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/l		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.0*		µg/l		*30.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*32.8*		µg/l		*30.0*		*109*	*70-130*		
Batch 1015889 - SW846 5030 Soil (high level)										
Blank (1015889-BLK1)					Prepared & Analyzed: 27-Jul-10					

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015889 - SW846 5030 Soil (high level)										
					Prepared & Analyzed: 27-Jul-10					
Blank (1015889-BLK1)										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015889 - SW846 5030 Soil (high level)										
Blank (1015889-BLK1)					Prepared & Analyzed: 27-Jul-10					
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/kg wet		*30.0*		*83*	*70-130*		
Surrogate: Toluene-d8	*28.1*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
LCS (1015889-BS1)					Prepared & Analyzed: 27-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.2		µg/kg wet		20.0		91	70-130		
Acetone	16.7		µg/kg wet		20.0		84	70-130		
Acrylonitrile	17.6		µg/kg wet		20.0		88	70-130		
Benzene	18.9		µg/kg wet		20.0		94	70-130		
Bromobenzene	24.6		µg/kg wet		20.0		123	70-130		
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromoform	21.2		µg/kg wet		20.0		106	70-130		
Bromomethane	16.9		µg/kg wet		20.0		85	70-130		
2-Butanone (MEK)	20.3		µg/kg wet		20.0		101	70-130		
n-Butylbenzene	14.3		µg/kg wet		20.0		72	70-130		
sec-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
tert-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Carbon disulfide	18.5		µg/kg wet		20.0		93	70-130		
Carbon tetrachloride	18.0		µg/kg wet		20.0		90	70-130		
Chlorobenzene	20.9		µg/kg wet		20.0		105	70-130		
Chloroethane	16.4		µg/kg wet		20.0		82	70-130		
Chloroform	18.1		µg/kg wet		20.0		91	70-130		
Chloromethane	13.2		µg/kg wet		20.0		66	70-130		
2-Chlorotoluene	24.6		µg/kg wet		20.0		123	70-130		
4-Chlorotoluene	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 1015889 - SW846 5030 Soil (high level)										
LCS (1015889-BS1)						Prepared & Analyzed: 27-Jul-10				
1,2-Dibromo-3-chloropropane	17.1		µg/kg wet		20.0		85	70-130		
Dibromochloromethane	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dibromoethane (EDB)	19.7		µg/kg wet		20.0		99	70-130		
Dibromomethane	19.2		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	23.9		µg/kg wet		20.0		119	70-130		
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	14.4		µg/kg wet		20.0		72	70-130		
1,1-Dichloroethane	17.3		µg/kg wet		20.0		86	70-130		
1,2-Dichloroethane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichloropropane	17.7		µg/kg wet		20.0		89	70-130		
1,3-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
2,2-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,1-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130		
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
Ethylbenzene	18.6		µg/kg wet		20.0		93	70-130		
Hexachlorobutadiene	21.5		µg/kg wet		20.0		108	70-130		
2-Hexanone (MBK)	18.0		µg/kg wet		20.0		90	70-130		
Isopropylbenzene	23.0		µg/kg wet		20.0		115	70-130		
4-Isopropyltoluene	16.4		µg/kg wet		20.0		82	70-130		
Methyl tert-butyl ether	18.8		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	23.4		µg/kg wet		20.0		117	70-130		
Methylene chloride	18.6		µg/kg wet		20.0		93	70-130		
Naphthalene	16.4		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	17.2		µg/kg wet		20.0		86	70-130		
Styrene	17.6		µg/kg wet		20.0		88	70-130		
1,1,1,2-Tetrachloroethane	25.0		µg/kg wet		20.0		125	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	22.1		µg/kg wet		20.0		110	70-130		
Toluene	20.5		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,2,4-Trichlorobenzene	15.8		µg/kg wet		20.0		79	70-130		
1,3,5-Trichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	21.0		µg/kg wet		20.0		105	70-130		
Trichloroethene	19.3		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	17.5		µg/kg wet		20.0		87	70-130		
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		111	70-130		
1,2,4-Trimethylbenzene	18.9		µg/kg wet		20.0		94	70-130		
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130		
Vinyl chloride	16.0		µg/kg wet		20.0		80	70-130		
m,p-Xylene	40.2		µg/kg wet		40.0		101	70-130		
o-Xylene	21.2		µg/kg wet		20.0		106	70-130		
Tetrahydrofuran	16.7		µg/kg wet		20.0		84	70-130		
Ethyl ether	20.1		µg/kg wet		20.0		101	70-130		
Tert-amyl methyl ether	16.7		µg/kg wet		20.0		84	70-130		
Ethyl tert-butyl ether	16.9		µg/kg wet		20.0		85	70-130		
Di-isopropyl ether	16.0		µg/kg wet		20.0		80	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015889 - SW846 5030 Soil (high level)										
LCS (1015889-BS1)					Prepared & Analyzed: 27-Jul-10					
Tert-Butanol / butyl alcohol	178		µg/kg wet		200		89	70-130		
1,4-Dioxane	207		µg/kg wet		200		103	70-130		
trans-1,4-Dichloro-2-butene	16.1		µg/kg wet		20.0		80	70-130		
Ethanol	304		µg/kg wet		400		76	70-130		
Surrogate: 4-Bromofluorobenzene	*33.7*		µg/kg wet		*30.0*		*112*	*70-130*		
Surrogate: Toluene-d8	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.3*		µg/kg wet		*30.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
LCS Dup (1015889-BSD1)					Prepared & Analyzed: 27-Jul-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.0		µg/kg wet		20.0		90	70-130	1	25
Acetone	21.4		µg/kg wet		20.0		107	70-130	25	50
Acrylonitrile	19.1		µg/kg wet		20.0		96	70-130	8	25
Benzene	18.1		µg/kg wet		20.0		91	70-130	4	25
Bromobenzene	24.3		µg/kg wet		20.0		121	70-130	1	25
Bromochloromethane	20.5		µg/kg wet		20.0		103	70-130	1	25
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130	4	25
Bromoform	21.8		µg/kg wet		20.0		109	70-130	3	25
Bromomethane	16.0		µg/kg wet		20.0		80	70-130	6	50
2-Butanone (MEK)	22.8		µg/kg wet		20.0		114	70-130	12	50
n-Butylbenzene	12.6	QM9	µg/kg wet		20.0		63	70-130	13	25
sec-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130	6	25
tert-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130	9	25
Carbon disulfide	16.0		µg/kg wet		20.0		80	70-130	14	25
Carbon tetrachloride	16.6		µg/kg wet		20.0		83	70-130	9	25
Chlorobenzene	20.8		µg/kg wet		20.0		104	70-130	0.7	25
Chloroethane	15.2		µg/kg wet		20.0		76	70-130	8	50
Chloroform	17.4		µg/kg wet		20.0		87	70-130	4	25
Chloromethane	12.1		µg/kg wet		20.0		60	70-130	9	25
2-Chlorotoluene	22.8		µg/kg wet		20.0		114	70-130	7	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	5	25
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		92	70-130	7	25
Dibromochloromethane	19.9		µg/kg wet		20.0		100	70-130	2	50
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130	4	25
Dibromomethane	21.4		µg/kg wet		20.0		107	70-130	11	25
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	0.1	25
1,3-Dichlorobenzene	23.8		µg/kg wet		20.0		119	70-130	0.2	25
1,4-Dichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
Dichlorodifluoromethane (Freon12)	13.2		µg/kg wet		20.0		66	70-130	8	50
1,1-Dichloroethane	16.8		µg/kg wet		20.0		84	70-130	3	25
1,2-Dichloroethane	17.5		µg/kg wet		20.0		87	70-130	3	25
1,1-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	6	25
cis-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	0.7	25
trans-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130	3	25
1,2-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130	11	25
1,3-Dichloropropane	20.9		µg/kg wet		20.0		105	70-130	0.7	25
2,2-Dichloropropane	16.0		µg/kg wet		20.0		80	70-130	10	25
1,1-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130	7	25
cis-1,3-Dichloropropene	17.1		µg/kg wet		20.0		85	70-130	9	25
trans-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130	7	25
Ethylbenzene	17.0		µg/kg wet		20.0		85	70-130	9	25
Hexachlorobutadiene	20.6		µg/kg wet		20.0		103	70-130	5	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015889 - SW846 5030 Soil (high level)										
					Prepared & Analyzed: 27-Jul-10					
LCS Dup (1015889-BSD1)										
2-Hexanone (MBK)	18.1		µg/kg wet		20.0		91	70-130	0.8	25
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130	7	25
4-Isopropyltoluene	14.7		µg/kg wet		20.0		73	70-130	11	25
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		103	70-130	9	25
4-Methyl-2-pentanone (MIBK)	21.0		µg/kg wet		20.0		105	70-130	11	50
Methylene chloride	17.9		µg/kg wet		20.0		89	70-130	4	25
Naphthalene	15.4		µg/kg wet		20.0		77	70-130	7	25
n-Propylbenzene	14.8		µg/kg wet		20.0		74	70-130	15	25
Styrene	15.4		µg/kg wet		20.0		77	70-130	13	25
1,1,1,2-Tetrachloroethane	25.6		µg/kg wet		20.0		128	70-130	3	25
1,1,2,2-Tetrachloroethane	22.0		µg/kg wet		20.0		110	70-130	16	25
Tetrachloroethene	20.1		µg/kg wet		20.0		101	70-130	9	25
Toluene	18.4		µg/kg wet		20.0		92	70-130	11	25
1,2,3-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	4	25
1,2,4-Trichlorobenzene	15.1		µg/kg wet		20.0		76	70-130	5	25
1,3,5-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	5	25
1,1,1-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	10	25
1,1,2-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130	2	25
Trichloroethene	18.5		µg/kg wet		20.0		92	70-130	4	25
Trichlorofluoromethane (Freon 11)	17.3		µg/kg wet		20.0		87	70-130	0.9	50
1,2,3-Trichloropropane	26.2	QM9	µg/kg wet		20.0		131	70-130	17	25
1,2,4-Trimethylbenzene	17.5		µg/kg wet		20.0		87	70-130	8	25
1,3,5-Trimethylbenzene	16.3		µg/kg wet		20.0		82	70-130	13	25
Vinyl chloride	15.5		µg/kg wet		20.0		78	70-130	3	25
m,p-Xylene	37.9		µg/kg wet		40.0		95	70-130	6	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	5	25
Tetrahydrofuran	19.0		µg/kg wet		20.0		95	70-130	13	25
Ethyl ether	20.4		µg/kg wet		20.0		102	70-130	1	50
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		87	70-130	3	25
Ethyl tert-butyl ether	16.8		µg/kg wet		20.0		84	70-130	1	25
Di-isopropyl ether	15.7		µg/kg wet		20.0		79	70-130	2	25
Tert-Butanol / butyl alcohol	212		µg/kg wet		200		106	70-130	17	25
1,4-Dioxane	158	QR2	µg/kg wet		200		79	70-130	27	25
trans-1,4-Dichloro-2-butene	17.5		µg/kg wet		20.0		87	70-130	8	25
Ethanol	364		µg/kg wet		400		91	70-130	18	30
Surrogate: 4-Bromofluorobenzene	*33.6*		µg/kg wet		*30.0*		*112*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*99*	*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 1015604 - SW846 3545A										
Blank (1015604-BLK1)					Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	BRL		µg/kg wet	66.5						
Acenaphthylene	BRL		µg/kg wet	66.5						
Anthracene	BRL		µg/kg wet	66.5						
Benzo (a) anthracene	BRL		µg/kg wet	66.5						
Benzo (a) pyrene	BRL		µg/kg wet	66.5						
Benzo (b) fluoranthene	BRL		µg/kg wet	66.5						
Benzo (g,h,i) perylene	BRL		µg/kg wet	66.5						
Benzo (k) fluoranthene	BRL		µg/kg wet	66.5						
Chrysene	BRL		µg/kg wet	66.5						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	66.5						
Fluoranthene	BRL		µg/kg wet	66.5						
Fluorene	BRL		µg/kg wet	66.5						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	66.5						
1-Methylnaphthalene	BRL		µg/kg wet	66.5						
2-Methylnaphthalene	BRL		µg/kg wet	66.5						
Naphthalene	BRL		µg/kg wet	66.5						
Phenanthrene	BRL		µg/kg wet	66.5						
Pyrene	BRL		µg/kg wet	66.5						
Surrogate: 2-Fluorobiphenyl	*3010*		µg/kg wet		*3330*		*90*	*30-130*		
Surrogate: Terphenyl-dl4	*3080*		µg/kg wet		*3330*		*92*	*30-130*		
LCS (1015604-BS1)					Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	2950		µg/kg wet	66.5	3330		88	40-140		
Acenaphthylene	3040		µg/kg wet	66.5	3330		91	40-140		
Anthracene	3110		µg/kg wet	66.5	3330		93	40-140		
Benzo (a) anthracene	2840		µg/kg wet	66.5	3330		85	40-140		
Benzo (a) pyrene	3060		µg/kg wet	66.5	3330		92	40-140		
Benzo (b) fluoranthene	2990		µg/kg wet	66.5	3330		90	40-140		
Benzo (g,h,i) perylene	1930		µg/kg wet	66.5	3330		58	40-140		
Benzo (k) fluoranthene	3600		µg/kg wet	66.5	3330		108	40-140		
Chrysene	3000		µg/kg wet	66.5	3330		90	40-140		
Dibenzo (a,h) anthracene	2230		µg/kg wet	66.5	3330		67	40-140		
Fluoranthene	3060		µg/kg wet	66.5	3330		92	40-140		
Fluorene	3590		µg/kg wet	66.5	3330		108	40-140		
Indeno (1,2,3-cd) pyrene	2090		µg/kg wet	66.5	3330		63	40-140		
1-Methylnaphthalene	2840		µg/kg wet	66.5	3330		85	40-140		
2-Methylnaphthalene	2920		µg/kg wet	66.5	3330		87	40-140		
Naphthalene	2790		µg/kg wet	66.5	3330		84	40-140		
Phenanthrene	2850		µg/kg wet	66.5	3330		86	40-140		
Pyrene	3000		µg/kg wet	66.5	3330		90	40-140		
Surrogate: 2-Fluorobiphenyl	*2930*		µg/kg wet		*3330*		*88*	*30-130*		
Surrogate: Terphenyl-dl4	*2840*		µg/kg wet		*3330*		*85*	*30-130*		
Duplicate (1015604-DUP1)			**Source: SB15521-19**		Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	BRL		µg/kg dry	165		BRL				50
Acenaphthylene	BRL		µg/kg dry	165		BRL				50
Anthracene	BRL		µg/kg dry	165		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	165		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	165		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	165		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	165		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	165		BRL				50
Chrysene	BRL		µg/kg dry	165		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 1015604 - SW846 3545A										
Duplicate (1015604-DUP1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Dibenzo (a,h) anthracene	BRL		µg/kg dry	165		BRL				50
Fluoranthene	BRL		µg/kg dry	165		BRL				50
Fluorene	BRL		µg/kg dry	165		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	165		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	165		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	165		BRL				50
Naphthalene	BRL		µg/kg dry	165		BRL				50
Phenanthrene	BRL		µg/kg dry	165		BRL				50
Pyrene	BRL		µg/kg dry	165		BRL				50
Surrogate: 2-Fluorobiphenyl	*3450*		µg/kg dry		*4140*		*83*	*30-130*		
Surrogate: Terphenyl-dl4	*3460*		µg/kg dry		*4140*		*84*	*30-130*		
Matrix Spike (1015604-MS1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	3170		µg/kg dry	85.0	4260	BRL	74	40-140		
Acenaphthylene	3270		µg/kg dry	85.0	4260	BRL	77	40-140		
Anthracene	3220		µg/kg dry	85.0	4260	BRL	75	40-140		
Benzo (a) anthracene	3030		µg/kg dry	85.0	4260	BRL	71	40-140		
Benzo (a) pyrene	3280		µg/kg dry	85.0	4260	BRL	77	40-140		
Benzo (b) fluoranthene	3240		µg/kg dry	85.0	4260	BRL	76	40-140		
Benzo (g,h,i) perylene	2310		µg/kg dry	85.0	4260	BRL	54	40-140		
Benzo (k) fluoranthene	3510		µg/kg dry	85.0	4260	BRL	82	40-140		
Chrysene	3160		µg/kg dry	85.0	4260	BRL	74	30-130		
Dibenzo (a,h) anthracene	2630		µg/kg dry	85.0	4260	BRL	62	30-130		
Fluoranthene	3220		µg/kg dry	85.0	4260	BRL	76	40-140		
Fluorene	3830		µg/kg dry	85.0	4260	BRL	90	40-140		
Indeno (1,2,3-cd) pyrene	2460		µg/kg dry	85.0	4260	BRL	58	40-140		
1-Methylnaphthalene	2990		µg/kg dry	85.0	4260	BRL	70	40-140		
2-Methylnaphthalene	3090		µg/kg dry	85.0	4260	BRL	73	40-140		
Naphthalene	2960		µg/kg dry	85.0	4260	BRL	70	40-140		
Phenanthrene	3080		µg/kg dry	85.0	4260	BRL	72	40-140		
Pyrene	3220		µg/kg dry	85.0	4260	BRL	76	40-140		
Surrogate: 2-Fluorobiphenyl	*3100*		µg/kg dry		*4260*		*73*	*30-130*		
Surrogate: Terphenyl-dl4	*3040*		µg/kg dry		*4260*		*71*	*30-130*		
Matrix Spike Dup (1015604-MSD1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	3010		µg/kg dry	82.8	4150	BRL	73	40-140	2	30
Acenaphthylene	3120		µg/kg dry	82.8	4150	BRL	75	40-140	2	30
Anthracene	3190		µg/kg dry	82.8	4150	BRL	77	40-140	2	30
Benzo (a) anthracene	2930		µg/kg dry	82.8	4150	BRL	71	40-140	0.7	30
Benzo (a) pyrene	3150		µg/kg dry	82.8	4150	BRL	76	40-140	1	30
Benzo (b) fluoranthene	3140		µg/kg dry	82.8	4150	BRL	76	40-140	0.4	30
Benzo (g,h,i) perylene	2310		µg/kg dry	82.8	4150	BRL	56	40-140	3	30
Benzo (k) fluoranthene	3400		µg/kg dry	82.8	4150	BRL	82	40-140	0.5	30
Chrysene	3100		µg/kg dry	82.8	4150	BRL	75	30-130	0.6	30
Dibenzo (a,h) anthracene	2600		µg/kg dry	82.8	4150	BRL	63	30-130	1	30
Fluoranthene	3150		µg/kg dry	82.8	4150	BRL	76	40-140	0.3	30
Fluorene	3700		µg/kg dry	82.8	4150	BRL	89	40-140	0.9	30
Indeno (1,2,3-cd) pyrene	2480		µg/kg dry	82.8	4150	BRL	60	40-140	3	30
1-Methylnaphthalene	2960		µg/kg dry	82.8	4150	BRL	71	40-140	2	30
2-Methylnaphthalene	3040		µg/kg dry	82.8	4150	BRL	73	40-140	1	30
Naphthalene	2930		µg/kg dry	82.8	4150	BRL	71	40-140	1	30
Phenanthrene	3010		µg/kg dry	82.8	4150	BRL	73	40-140	0.3	30
Pyrene	3120		µg/kg dry	82.8	4150	BRL	75	40-140	0.5	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 1015604 - SW846 3545A										
Matrix Spike Dup (1015604-MSD1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Surrogate: 2-Fluorobiphenyl	*3040*		µg/kg dry		*4150*		*73*	*30-130*		
Surrogate: Terphenyl-dl4	*2930*		µg/kg dry		*4150*		*71*	*30-130*		
Batch 1015636 - SW846 3545A										
Blank (1015636-BLK1)					Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	BRL		µg/kg wet	33.2						
Acenaphthylene	BRL		µg/kg wet	33.2						
Anthracene	BRL		µg/kg wet	33.2						
Benzo (a) anthracene	BRL		µg/kg wet	33.2						
Benzo (a) pyrene	BRL		µg/kg wet	33.2						
Benzo (b) fluoranthene	BRL		µg/kg wet	33.2						
Benzo (g,h,i) perylene	BRL		µg/kg wet	33.2						
Benzo (k) fluoranthene	BRL		µg/kg wet	33.2						
Chrysene	BRL		µg/kg wet	33.2						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	33.2						
Fluoranthene	BRL		µg/kg wet	33.2						
Fluorene	BRL		µg/kg wet	33.2						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	33.2						
1-Methylnaphthalene	BRL		µg/kg wet	33.2						
2-Methylnaphthalene	BRL		µg/kg wet	33.2						
Naphthalene	BRL		µg/kg wet	33.2						
Phenanthrene	BRL		µg/kg wet	33.2						
Pyrene	BRL		µg/kg wet	33.2						
Surrogate: 2-Fluorobiphenyl	*1520*		µg/kg wet		*1670*		*91*	*30-130*		
Surrogate: Terphenyl-dl4	*1440*		µg/kg wet		*1670*		*87*	*30-130*		
LCS (1015636-BS1)					Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Acenaphthene	1390		µg/kg wet	33.2	1670		83	40-140		
Acenaphthylene	1300		µg/kg wet	33.2	1670		78	40-140		
Anthracene	1370		µg/kg wet	33.2	1670		82	40-140		
Benzo (a) anthracene	1300		µg/kg wet	33.2	1670		78	40-140		
Benzo (a) pyrene	1390		µg/kg wet	33.2	1670		84	40-140		
Benzo (b) fluoranthene	1350		µg/kg wet	33.2	1670		81	40-140		
Benzo (g,h,i) perylene	1190		µg/kg wet	33.2	1670		72	40-140		
Benzo (k) fluoranthene	1360		µg/kg wet	33.2	1670		81	40-140		
Chrysene	1380		µg/kg wet	33.2	1670		83	40-140		
Dibenzo (a,h) anthracene	1300		µg/kg wet	33.2	1670		78	40-140		
Fluoranthene	1420		µg/kg wet	33.2	1670		85	40-140		
Fluorene	1540		µg/kg wet	33.2	1670		92	40-140		
Indeno (1,2,3-cd) pyrene	1240		µg/kg wet	33.2	1670		75	40-140		
1-Methylnaphthalene	1300		µg/kg wet	33.2	1670		78	40-140		
2-Methylnaphthalene	1590		µg/kg wet	33.2	1670		96	40-140		
Naphthalene	1190		µg/kg wet	33.2	1670		72	40-140		
Phenanthrene	1310		µg/kg wet	33.2	1670		78	40-140		
Pyrene	1340		µg/kg wet	33.2	1670		80	40-140		
Batch 1015643 - SW846 3510C										
Blank (1015643-BLK1)					Prepared: 23-Jul-10 Analyzed: 29-Jul-10					
Acenaphthene	BRL		µg/l	0.050						
Acenaphthylene	BRL		µg/l	0.050						
1-Methylnaphthalene	BRL		µg/l	0.050						
Anthracene	BRL		µg/l	0.050						
Benzo (a) anthracene	BRL		µg/l	0.050						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015643 - SW846 3510C										
Blank (1015643-BLK1)						Prepared: 23-Jul-10 Analyzed: 29-Jul-10				
Benzo (a) pyrene	BRL		µg/l	0.050						
Benzo (b) fluoranthene	BRL		µg/l	0.050						
Benzo (g,h,i) perylene	BRL		µg/l	0.050						
Benzo (k) fluoranthene	BRL		µg/l	0.050						
Chrysene	BRL		µg/l	0.050						
Dibenzo (a,h) anthracene	BRL		µg/l	0.050						
Fluoranthene	BRL		µg/l	0.050						
Fluorene	BRL		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.050						
2-Methylnaphthalene	BRL		µg/l	0.050						
Naphthalene	BRL		µg/l	0.050						
Phenanthrene	BRL		µg/l	0.050						
Pyrene	BRL		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*33.4*		µg/l		*50.0*		*67*	*30-130*		
Surrogate: Terphenyl-d14	*32.4*		µg/l		*50.0*		*65*	*30-130*		
LCS (1015643-BS1)						Prepared: 23-Jul-10 Analyzed: 29-Jul-10				
Acenaphthene	25.5		µg/l	0.050	50.0		51	40-140		
Acenaphthylene	24.8		µg/l	0.050	50.0		50	40-140		
1-Methylnaphthalene	23.0		µg/l	0.050	50.0		46	40-140		
Anthracene	24.4		µg/l	0.050	50.0		49	40-140		
Benzo (a) anthracene	26.5		µg/l	0.050	50.0		53	40-140		
Benzo (a) pyrene	26.6		µg/l	0.050	50.0		53	40-140		
Benzo (b) fluoranthene	26.4		µg/l	0.050	50.0		53	40-140		
Benzo (g,h,i) perylene	26.2		µg/l	0.050	50.0		52	40-140		
Benzo (k) fluoranthene	29.1		µg/l	0.050	50.0		58	40-140		
Chrysene	28.2		µg/l	0.050	50.0		56	40-140		
Dibenzo (a,h) anthracene	26.1		µg/l	0.050	50.0		52	40-140		
Fluoranthene	27.7		µg/l	0.050	50.0		55	40-140		
Fluorene	28.9		µg/l	0.050	50.0		58	40-140		
Indeno (1,2,3-cd) pyrene	25.4		µg/l	0.050	50.0		51	40-140		
2-Methylnaphthalene	26.0		µg/l	0.050	50.0		52	40-140		
Naphthalene	21.4		µg/l	0.050	50.0		43	40-140		
Phenanthrene	23.2		µg/l	0.050	50.0		46	40-140		
Pyrene	26.5		µg/l	0.050	50.0		53	40-140		
Surrogate: 2-Fluorobiphenyl	*23.3*		µg/l		*50.0*		*47*	*30-130*		
Surrogate: Terphenyl-d14	*26.8*		µg/l		*50.0*		*54*	*30-130*		
LCS Dup (1015643-BSD1)						Prepared: 23-Jul-10 Analyzed: 29-Jul-10				
Acenaphthene	34.7	QR5	µg/l	0.050	50.0		69	40-140	30	20
Acenaphthylene	32.9	QR5	µg/l	0.050	50.0		66	40-140	28	20
1-Methylnaphthalene	31.5	QR5	µg/l	0.050	50.0		63	40-140	31	20
Anthracene	31.4	QR5	µg/l	0.050	50.0		63	40-140	25	20
Benzo (a) anthracene	32.7	QR5	µg/l	0.050	50.0		65	40-140	21	20
Benzo (a) pyrene	33.3	QR5	µg/l	0.050	50.0		67	40-140	22	20
Benzo (b) fluoranthene	35.2	QR5	µg/l	0.050	50.0		70	40-140	28	20
Benzo (g,h,i) perylene	32.8	QR5	µg/l	0.050	50.0		66	40-140	23	20
Benzo (k) fluoranthene	34.2		µg/l	0.050	50.0		68	40-140	16	20
Chrysene	35.8	QR5	µg/l	0.050	50.0		72	40-140	24	20
Dibenzo (a,h) anthracene	33.6	QR5	µg/l	0.050	50.0		67	40-140	25	20
Fluoranthene	35.1	QR5	µg/l	0.050	50.0		70	40-140	24	20
Fluorene	39.1	QR5	µg/l	0.050	50.0		78	40-140	30	20
Indeno (1,2,3-cd) pyrene	33.8	QR5	µg/l	0.050	50.0		68	40-140	28	20

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015643 - SW846 3510C										
LCS Dup (1015643-BSD1)					Prepared: 23-Jul-10 Analyzed: 29-Jul-10					
2-Methylnaphthalene	36.6	QR5	µg/l	0.050	50.0		73	40-140	34	20
Naphthalene	29.4	QR5	µg/l	0.050	50.0		59	40-140	32	20
Phenanthrene	29.9	QR5	µg/l	0.050	50.0		60	40-140	25	20
Pyrene	33.8	QR5	µg/l	0.050	50.0		68	40-140	24	20
Surrogate: 2-Fluorobiphenyl	*32.5*		µg/l		*50.0*		*65*	*30-130*		
Surrogate: Terphenyl-dl4	*32.6*		µg/l		*50.0*		*65*	*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 1015599 - SW846 3545A										
					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Blank (1015599-BLK1)										
alpha-BHC	BRL		µg/kg wet	5.00						
alpha-BHC [2C]	BRL		µg/kg wet	5.00						
beta-BHC	BRL		µg/kg wet	5.00						
beta-BHC [2C]	BRL		µg/kg wet	5.00						
delta-BHC	BRL		µg/kg wet	5.00						
delta-BHC [2C]	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Heptachlor [2C]	BRL		µg/kg wet	5.00						
Aldrin	BRL		µg/kg wet	5.00						
Aldrin [2C]	BRL		µg/kg wet	5.00						
Heptachlor epoxide	BRL		µg/kg wet	5.00						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
Endosulfan I [2C]	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Dieldrin [2C]	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	8.00						
Endrin [2C]	BRL		µg/kg wet	8.00						
Endosulfan II	BRL		µg/kg wet	8.00						
Endosulfan II [2C]	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	8.00						
Endosulfan sulfate	BRL		µg/kg wet	8.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	8.00						
Methoxychlor	BRL		µg/kg wet	8.00						
Methoxychlor [2C]	BRL		µg/kg wet	8.00						
Endrin ketone	BRL		µg/kg wet	8.00						
Endrin ketone [2C]	BRL		µg/kg wet	8.00						
Endrin aldehyde	BRL		µg/kg wet	8.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	8.00						
alpha-Chlordane	BRL		µg/kg wet	5.00						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.00						
gamma-Chlordane	BRL		µg/kg wet	5.00						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	100						
Toxaphene [2C]	BRL		µg/kg wet	100						
Chlordane	BRL		µg/kg wet	20.0						
Chlordane [2C]	BRL		µg/kg wet	20.0						
Mirex	BRL		µg/kg wet	10.0						
Mirex [2C]	BRL		µg/kg wet	10.0						
Alachlor	BRL		µg/kg wet	5.00						
Alachlor [2C]	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.5*		µg/kg wet		*20.0*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.3*		µg/kg wet		*20.0*		*67*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*89*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015599 - SW846 3545A										
Blank (1015599-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.8*		µg/kg wet		*20.0*		*79*	*30-150*		
LCS (1015599-BS1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	40.7		µg/kg wet	5.00	50.0		81	40-140		
alpha-BHC [2C]	41.8		µg/kg wet	5.00	50.0		84	40-140		
beta-BHC	46.3		µg/kg wet	5.00	50.0		93	40-140		
beta-BHC [2C]	46.8		µg/kg wet	5.00	50.0		94	40-140		
delta-BHC	37.4		µg/kg wet	5.00	50.0		75	40-140		
delta-BHC [2C]	35.3		µg/kg wet	5.00	50.0		71	40-140		
gamma-BHC (Lindane)	45.3		µg/kg wet	5.00	50.0		91	50-120		
gamma-BHC (Lindane) [2C]	43.4		µg/kg wet	5.00	50.0		87	50-120		
Heptachlor	46.2		µg/kg wet	5.00	50.0		92	40-140		
Heptachlor [2C]	43.4		µg/kg wet	5.00	50.0		87	40-140		
Aldrin	46.3		µg/kg wet	5.00	50.0		93	40-140		
Aldrin [2C]	43.3		µg/kg wet	5.00	50.0		87	40-140		
Heptachlor epoxide	45.7		µg/kg wet	5.00	50.0		91	50-140		
Heptachlor epoxide [2C]	42.9		µg/kg wet	5.00	50.0		86	50-140		
Endosulfan I	46.2		µg/kg wet	5.00	50.0		92	40-140		
Endosulfan I [2C]	45.1		µg/kg wet	5.00	50.0		90	40-140		
Dieldrin	46.8		µg/kg wet	5.00	50.0		94	40-130		
Dieldrin [2C]	45.7		µg/kg wet	5.00	50.0		91	40-130		
4,4'-DDE (p,p')	48.7		µg/kg wet	5.00	50.0		97	50-140		
4,4'-DDE (p,p') [2C]	45.0		µg/kg wet	5.00	50.0		90	50-140		
Endrin	54.6		µg/kg wet	8.00	50.0		109	50-120		
Endrin [2C]	50.2		µg/kg wet	8.00	50.0		100	50-120		
Endosulfan II	54.6		µg/kg wet	8.00	50.0		109	40-140		
Endosulfan II [2C]	44.6		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p')	49.0		µg/kg wet	8.00	50.0		98	40-140		
4,4'-DDD (p,p') [2C]	46.7		µg/kg wet	8.00	50.0		93	40-140		
Endosulfan sulfate	46.0		µg/kg wet	8.00	50.0		92	50-120		
Endosulfan sulfate [2C]	38.6		µg/kg wet	8.00	50.0		77	50-120		
4,4'-DDT (p,p')	61.3		µg/kg wet	8.00	50.0		123	40-140		
4,4'-DDT (p,p') [2C]	45.2		µg/kg wet	8.00	50.0		90	40-140		
Methoxychlor	67.4		µg/kg wet	8.00	50.0		135	40-140		
Methoxychlor [2C]	46.7		µg/kg wet	8.00	50.0		93	40-140		
Endrin ketone	48.9		µg/kg wet	8.00	50.0		98	40-140		
Endrin ketone [2C]	43.5		µg/kg wet	8.00	50.0		87	40-140		
Endrin aldehyde	41.4		µg/kg wet	8.00	50.0		83	40-140		
Endrin aldehyde [2C]	22.1		µg/kg wet	8.00	50.0		44	40-140		
alpha-Chlordane	46.9		µg/kg wet	5.00	50.0		94	40-140		
alpha-Chlordane [2C]	45.1		µg/kg wet	5.00	50.0		90	40-140		
gamma-Chlordane	47.9		µg/kg wet	5.00	50.0		96	40-130		
gamma-Chlordane [2C]	45.6		µg/kg wet	5.00	50.0		91	40-130		
Alachlor	51.3		µg/kg wet	5.00	50.0		103	40-140		
Alachlor [2C]	47.0		µg/kg wet	5.00	50.0		94	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
LCS Dup (1015599-BSD1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	39.3		µg/kg wet	5.00	50.0		79	40-140	4	30
alpha-BHC [2C]	40.8		µg/kg wet	5.00	50.0		82	40-140	2	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015599 - SW846 3545A										
LCS Dup (1015599-BSD1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
beta-BHC	44.2		µg/kg wet	5.00	50.0		88	40-140	5	30
beta-BHC [2C]	45.3		µg/kg wet	5.00	50.0		91	40-140	3	30
delta-BHC	35.9		µg/kg wet	5.00	50.0		72	40-140	4	30
delta-BHC [2C]	34.1		µg/kg wet	5.00	50.0		68	40-140	3	30
gamma-BHC (Lindane)	43.4		µg/kg wet	5.00	50.0		87	50-120	4	30
gamma-BHC (Lindane) [2C]	42.3		µg/kg wet	5.00	50.0		85	50-120	3	30
Heptachlor	44.6		µg/kg wet	5.00	50.0		89	40-140	4	30
Heptachlor [2C]	42.1		µg/kg wet	5.00	50.0		84	40-140	3	30
Aldrin	44.4		µg/kg wet	5.00	50.0		89	40-140	4	30
Aldrin [2C]	42.1		µg/kg wet	5.00	50.0		84	40-140	3	30
Heptachlor epoxide	43.7		µg/kg wet	5.00	50.0		87	50-140	4	30
Heptachlor epoxide [2C]	41.5		µg/kg wet	5.00	50.0		83	50-140	3	30
Endosulfan I	44.0		µg/kg wet	5.00	50.0		88	40-140	5	30
Endosulfan I [2C]	43.6		µg/kg wet	5.00	50.0		87	40-140	3	30
Dieldrin	44.5		µg/kg wet	5.00	50.0		89	40-130	5	30
Dieldrin [2C]	44.2		µg/kg wet	5.00	50.0		88	40-130	3	30
4,4'-DDE (p,p')	46.5		µg/kg wet	5.00	50.0		93	50-140	5	30
4,4'-DDE (p,p') [2C]	43.4		µg/kg wet	5.00	50.0		87	50-140	4	30
Endrin	51.6		µg/kg wet	8.00	50.0		103	50-120	6	30
Endrin [2C]	47.5		µg/kg wet	8.00	50.0		95	50-120	6	30
Endosulfan II	50.9		µg/kg wet	8.00	50.0		102	40-140	7	30
Endosulfan II [2C]	43.0		µg/kg wet	8.00	50.0		86	40-140	4	30
4,4'-DDD (p,p')	46.1		µg/kg wet	8.00	50.0		92	40-140	6	30
4,4'-DDD (p,p') [2C]	44.7		µg/kg wet	8.00	50.0		89	40-140	4	30
Endosulfan sulfate	43.4		µg/kg wet	8.00	50.0		87	50-120	6	30
Endosulfan sulfate [2C]	37.2		µg/kg wet	8.00	50.0		74	50-120	4	30
4,4'-DDT (p,p')	57.9		µg/kg wet	8.00	50.0		116	40-140	6	30
4,4'-DDT (p,p') [2C]	43.2		µg/kg wet	8.00	50.0		86	40-140	5	30
Methoxychlor	63.6		µg/kg wet	8.00	50.0		127	40-140	6	30
Methoxychlor [2C]	43.4		µg/kg wet	8.00	50.0		87	40-140	7	30
Endrin ketone	45.7		µg/kg wet	8.00	50.0		91	40-140	7	30
Endrin ketone [2C]	41.9		µg/kg wet	8.00	50.0		84	40-140	4	30
Endrin aldehyde	38.9		µg/kg wet	8.00	50.0		78	40-140	6	30
Endrin aldehyde [2C]	20.6		µg/kg wet	8.00	50.0		41	40-140	7	30
alpha-Chlordane	44.6		µg/kg wet	5.00	50.0		89	40-140	5	30
alpha-Chlordane [2C]	43.5		µg/kg wet	5.00	50.0		87	40-140	4	30
gamma-Chlordane	45.7		µg/kg wet	5.00	50.0		91	40-130	5	30
gamma-Chlordane [2C]	44.0		µg/kg wet	5.00	50.0		88	40-130	4	30
Alachlor	49.6		µg/kg wet	5.00	50.0		99	40-140	3	30
Alachlor [2C]	45.5		µg/kg wet	5.00	50.0		91	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg wet		*20.0*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Duplicate (1015599-DUP1)			**Source: SB15521-01**			Prepared: 23-Jul-10 Analyzed: 25-Jul-10				
alpha-BHC	BRL		µg/kg dry	5.62		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	5.62		BRL				30
beta-BHC	BRL		µg/kg dry	5.62		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	5.62		BRL				30
delta-BHC	BRL		µg/kg dry	5.62		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	5.62		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015599 - SW846 3545A										
Duplicate (1015599-DUP1)			Source: SB15521-01		Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
gamma-BHC (Lindane)	BRL		µg/kg dry	5.62		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	5.62		BRL				30
Heptachlor	BRL		µg/kg dry	5.62		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	5.62		BRL				30
Aldrin	BRL		µg/kg dry	5.62		BRL				30
Aldrin [2C]	BRL		µg/kg dry	5.62		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	5.62		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	5.62		BRL				30
Endosulfan I	BRL		µg/kg dry	5.62		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	5.62		BRL				30
Dieldrin	BRL		µg/kg dry	5.62		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	5.62		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	5.62		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	5.62		BRL				30
Endrin	BRL		µg/kg dry	8.99		BRL				30
Endrin [2C]	BRL		µg/kg dry	8.99		BRL				30
Endosulfan II	BRL		µg/kg dry	8.99		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	8.99		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	8.99		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	8.99		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	8.99		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	8.99		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	8.99		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/kg dry	8.99		BRL				30
Methoxychlor	BRL		µg/kg dry	8.99		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	8.99		BRL				30
Endrin ketone	BRL		µg/kg dry	8.99		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	8.99		BRL				30
Endrin aldehyde	BRL		µg/kg dry	8.99		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	8.99		BRL				30
alpha-Chlordane	BRL		µg/kg dry	5.62		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	5.62		BRL				30
gamma-Chlordane	BRL		µg/kg dry	5.62		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	5.62		BRL				30
Toxaphene	BRL		µg/kg dry	112		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	112		BRL				30
Chlordane	BRL		µg/kg dry	22.5		BRL				30
Chlordane [2C]	BRL		µg/kg dry	22.5		BRL				30
Mirex	BRL		µg/kg dry	11.2		BRL				30
Mirex [2C]	BRL		µg/kg dry	11.2		BRL				30
Alachlor	BRL		µg/kg dry	5.62		BRL				30
Alachlor [2C]	BRL		µg/kg dry	5.62		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.7*		µg/kg dry		*22.5*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.9*		µg/kg dry		*22.5*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.5*		µg/kg dry		*22.5*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.7*		µg/kg dry		*22.5*		*106*	*30-150*		
Matrix Spike (1015599-MS1)			Source: SB15521-01		Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	51.3		µg/kg dry	5.91	59.1	BRL	87	30-150		
alpha-BHC [2C]	54.1		µg/kg dry	5.91	59.1	BRL	92	30-150		
beta-BHC	57.0		µg/kg dry	5.91	59.1	BRL	97	30-150		
beta-BHC [2C]	59.8		µg/kg dry	5.91	59.1	BRL	101	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015599 - SW846 3545A										
Matrix Spike (1015599-MS1)			Source: SB15521-01		Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
delta-BHC	46.8		µg/kg dry	5.91	59.1	BRL	79	30-150		
delta-BHC [2C]	46.7		µg/kg dry	5.91	59.1	BRL	79	30-150		
gamma-BHC (Lindane)	56.7		µg/kg dry	5.91	59.1	BRL	96	46-127		
gamma-BHC (Lindane) [2C]	56.7		µg/kg dry	5.91	59.1	BRL	96	46-127		
Heptachlor	58.7		µg/kg dry	5.91	59.1	BRL	99	35-130		
Heptachlor [2C]	57.1		µg/kg dry	5.91	59.1	BRL	97	35-130		
Aldrin	56.2		µg/kg dry	5.91	59.1	BRL	95	34-132		
Aldrin [2C]	54.8		µg/kg dry	5.91	59.1	BRL	93	34-132		
Heptachlor epoxide	56.3		µg/kg dry	5.91	59.1	BRL	95	30-150		
Heptachlor epoxide [2C]	55.6		µg/kg dry	5.91	59.1	BRL	94	30-150		
Endosulfan I	57.3		µg/kg dry	5.91	59.1	BRL	97	30-150		
Endosulfan I [2C]	63.3		µg/kg dry	5.91	59.1	BRL	107	30-150		
Dieldrin	59.5		µg/kg dry	5.91	59.1	BRL	101	31-134		
Dieldrin [2C]	57.4		µg/kg dry	5.91	59.1	BRL	97	31-134		
4,4'-DDE (p,p')	61.0		µg/kg dry	5.91	59.1	BRL	103	30-150		
4,4'-DDE (p,p') [2C]	56.1		µg/kg dry	5.91	59.1	BRL	95	30-150		
Endrin	68.7		µg/kg dry	9.45	59.1	BRL	116	42-139		
Endrin [2C]	64.4		µg/kg dry	9.45	59.1	BRL	109	42-139		
Endosulfan II	60.3		µg/kg dry	9.45	59.1	BRL	102	30-150		
Endosulfan II [2C]	55.6		µg/kg dry	9.45	59.1	BRL	94	30-150		
4,4'-DDD (p,p')	59.9		µg/kg dry	9.45	59.1	BRL	101	30-150		
4,4'-DDD (p,p') [2C]	58.8		µg/kg dry	9.45	59.1	BRL	100	30-150		
Endosulfan sulfate	56.5		µg/kg dry	9.45	59.1	BRL	96	30-150		
Endosulfan sulfate [2C]	47.2		µg/kg dry	9.45	59.1	BRL	80	30-150		
4,4'-DDT (p,p')	84.5	QM3	µg/kg dry	9.45	59.1	BRL	143	23-134		
4,4'-DDT (p,p') [2C]	61.1		µg/kg dry	9.45	59.1	BRL	103	23-134		
Methoxychlor	107	QM3	µg/kg dry	9.45	59.1	BRL	182	30-150		
Methoxychlor [2C]	58.5		µg/kg dry	9.45	59.1	BRL	99	30-150		
Endrin ketone	60.2		µg/kg dry	9.45	59.1	BRL	102	30-150		
Endrin ketone [2C]	56.9		µg/kg dry	9.45	59.1	BRL	96	30-150		
Endrin aldehyde	47.4		µg/kg dry	9.45	59.1	BRL	80	30-150		
Endrin aldehyde [2C]	44.0		µg/kg dry	9.45	59.1	BRL	74	30-150		
alpha-Chlordane	59.5		µg/kg dry	5.91	59.1	BRL	101	30-150		
alpha-Chlordane [2C]	57.3		µg/kg dry	5.91	59.1	BRL	97	30-150		
gamma-Chlordane	198	QM3	µg/kg dry	5.91	59.1	BRL	335	30-150		
gamma-Chlordane [2C]	56.7		µg/kg dry	5.91	59.1	BRL	96	30-150		
Alachlor	57.1		µg/kg dry	5.91	59.1	BRL	97	30-150		
Alachlor [2C]	57.0		µg/kg dry	5.91	59.1	BRL	96	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.5*		µg/kg dry		*23.6*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*25.2*		µg/kg dry		*23.6*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.8*		µg/kg dry		*23.6*		*147*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.5*		µg/kg dry		*23.6*		*116*	*30-150*		
Matrix Spike Dup (1015599-MSD1)			Source: SB15521-01		Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	50.5		µg/kg dry	5.62	56.2	BRL	90	30-150	4	30
alpha-BHC [2C]	52.5		µg/kg dry	5.62	56.2	BRL	93	30-150	2	30
beta-BHC	57.3		µg/kg dry	5.62	56.2	BRL	102	30-150	5	30
beta-BHC [2C]	58.4		µg/kg dry	5.62	56.2	BRL	104	30-150	3	30
delta-BHC	47.8		µg/kg dry	5.62	56.2	BRL	85	30-150	7	30
delta-BHC [2C]	45.9		µg/kg dry	5.62	56.2	BRL	82	30-150	3	30
gamma-BHC (Lindane)	56.2		µg/kg dry	5.62	56.2	BRL	100	46-127	4	30
gamma-BHC (Lindane) [2C]	54.8		µg/kg dry	5.62	56.2	BRL	98	46-127	2	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015599 - SW846 3545A										
Matrix Spike Dup (1015599-MSD1)			Source: SB15521-01		Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
Heptachlor	57.8		µg/kg dry	5.62	56.2	BRL	103	35-130	4	30
Heptachlor [2C]	54.6		µg/kg dry	5.62	56.2	BRL	97	35-130	0.6	30
Aldrin	55.9		µg/kg dry	5.62	56.2	BRL	100	34-132	4	30
Aldrin [2C]	52.8		µg/kg dry	5.62	56.2	BRL	94	34-132	1	30
Heptachlor epoxide	56.5		µg/kg dry	5.62	56.2	BRL	101	30-150	5	30
Heptachlor epoxide [2C]	53.6		µg/kg dry	5.62	56.2	BRL	95	30-150	1	30
Endosulfan I	57.6		µg/kg dry	5.62	56.2	BRL	102	30-150	6	30
Endosulfan I [2C]	57.5		µg/kg dry	5.62	56.2	BRL	102	30-150	5	30
Dieldrin	58.8		µg/kg dry	5.62	56.2	BRL	105	31-134	4	30
Dieldrin [2C]	55.6		µg/kg dry	5.62	56.2	BRL	99	31-134	2	30
4,4'-DDE (p,p')	61.6		µg/kg dry	5.62	56.2	BRL	110	30-150	6	30
4,4'-DDE (p,p') [2C]	55.0		µg/kg dry	5.62	56.2	BRL	98	30-150	3	30
Endrin	69.6		µg/kg dry	8.99	56.2	BRL	124	42-139	6	30
Endrin [2C]	62.6		µg/kg dry	8.99	56.2	BRL	111	42-139	2	30
Endosulfan II	61.4		µg/kg dry	8.99	56.2	BRL	109	30-150	7	30
Endosulfan II [2C]	53.9		µg/kg dry	8.99	56.2	BRL	96	30-150	2	30
4,4'-DDD (p,p')	61.5		µg/kg dry	8.99	56.2	BRL	109	30-150	8	30
4,4'-DDD (p,p') [2C]	57.3		µg/kg dry	8.99	56.2	BRL	102	30-150	2	30
Endosulfan sulfate	57.3		µg/kg dry	8.99	56.2	BRL	102	30-150	7	30
Endosulfan sulfate [2C]	44.2		µg/kg dry	8.99	56.2	BRL	79	30-150	2	30
4,4'-DDT (p,p')	87.0	QM3	µg/kg dry	8.99	56.2	BRL	155	23-134	8	30
4,4'-DDT (p,p') [2C]	59.5		µg/kg dry	8.99	56.2	BRL	106	23-134	2	30
Methoxychlor	104	QM3	µg/kg dry	8.99	56.2	BRL	186	30-150	2	30
Methoxychlor [2C]	55.1		µg/kg dry	8.99	56.2	BRL	98	30-150	1	30
Endrin ketone	60.9		µg/kg dry	8.99	56.2	BRL	108	30-150	6	30
Endrin ketone [2C]	55.1		µg/kg dry	8.99	56.2	BRL	98	30-150	2	30
Endrin aldehyde	46.9		µg/kg dry	8.99	56.2	BRL	84	30-150	4	30
Endrin aldehyde [2C]	41.6		µg/kg dry	8.99	56.2	BRL	74	30-150	0.7	30
alpha-Chlordane	59.7		µg/kg dry	5.62	56.2	BRL	106	30-150	5	30
alpha-Chlordane [2C]	55.2		µg/kg dry	5.62	56.2	BRL	98	30-150	1	30
gamma-Chlordane	171	QM3	µg/kg dry	5.62	56.2	BRL	305	30-150	9	30
gamma-Chlordane [2C]	54.6		µg/kg dry	5.62	56.2	BRL	97	30-150	1	30
Alachlor	56.7		µg/kg dry	5.62	56.2	BRL	101	30-150	4	30
Alachlor [2C]	51.6		µg/kg dry	5.62	56.2	BRL	92	30-150	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.1*		µg/kg dry		*22.5*		*107*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.1*		µg/kg dry		*22.5*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.9*		µg/kg dry		*22.5*		*146*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*28.3*		µg/kg dry		*22.5*		*126*	*30-150*		
Batch 1015600 - SW846 3545A										
Blank (1015600-BLK1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015600 - SW846 3545A										
Blank (1015600-BLK1)						Prepared & Analyzed: 23-Jul-10				
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.1*		µg/kg wet		*20.0*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.4*		µg/kg wet		*20.0*		*122*	*30-150*		
LCS (1015600-BS1)						Prepared & Analyzed: 23-Jul-10				
Aroclor-1016	234		µg/kg wet	20.0	250		93	50-140		
Aroclor-1016 [2C]	241		µg/kg wet	20.0	250		96	50-140		
Aroclor-1260	215		µg/kg wet	20.0	250		86	50-140		
Aroclor-1260 [2C]	183		µg/kg wet	20.0	250		73	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.2*		µg/kg wet		*20.0*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.3*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.6*		µg/kg wet		*20.0*		*118*	*30-150*		
LCS Dup (1015600-BSD1)						Prepared & Analyzed: 23-Jul-10				
Aroclor-1016	188		µg/kg wet	20.0	250		75	50-140	22	30
Aroclor-1016 [2C]	195		µg/kg wet	20.0	250		78	50-140	21	30
Aroclor-1260	186		µg/kg wet	20.0	250		74	50-140	15	30
Aroclor-1260 [2C]	177		µg/kg wet	20.0	250		71	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.4*		µg/kg wet		*20.0*		*52*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.9*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.9*		µg/kg wet		*20.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg wet		*20.0*		*112*	*30-150*		
Duplicate (1015600-DUP1)			**Source: SB15521-01**			Prepared & Analyzed: 23-Jul-10				
Aroclor-1016	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1221	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1232	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1242	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1248	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1254	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1260	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1262	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1268	BRL		µg/kg dry	22.5		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	22.5		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.5*		µg/kg dry		*22.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.5*		µg/kg dry		*22.5*		*95*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015600 - SW846 3545A										
Duplicate (1015600-DUP1)			Source: SB15521-01		Prepared & Analyzed: 23-Jul-10					
Surrogate: Decachlorobiphenyl (Sr)	22.3		µg/kg dry		22.5		99	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	32.9		µg/kg dry		22.5		147	30-150		
Matrix Spike (1015600-MS1)			Source: SB15521-01		Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	337		µg/kg dry	23.9	299	BRL	113	40-135		
Aroclor-1016 [2C]	299		µg/kg dry	23.9	299	BRL	100	40-135		
Aroclor-1260	315		µg/kg dry	23.9	299	BRL	105	40-135		
Aroclor-1260 [2C]	295		µg/kg dry	23.9	299	BRL	99	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	28.6		µg/kg dry		23.9		120	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	26.7		µg/kg dry		23.9		112	30-150		
Surrogate: Decachlorobiphenyl (Sr)	29.2		µg/kg dry		23.9		122	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	35.3		µg/kg dry		23.9		148	30-150		
Matrix Spike Dup (1015600-MSD1)			Source: SB15521-01		Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	294		µg/kg dry	22.5	282	BRL	104	40-135	8	30
Aroclor-1016 [2C]	268		µg/kg dry	22.5	282	BRL	95	40-135	5	30
Aroclor-1260	287		µg/kg dry	22.5	282	BRL	102	40-135	3	30
Aroclor-1260 [2C]	267		µg/kg dry	22.5	282	BRL	95	40-135	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	27.3		µg/kg dry		22.5		121	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	22.9		µg/kg dry		22.5		102	30-150		
Surrogate: Decachlorobiphenyl (Sr)	27.6		µg/kg dry		22.5		123	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	31.4		µg/kg dry		22.5		140	30-150		
Batch 1015601 - SW846 3545A					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
Blank (1015601-BLK1)										
alpha-BHC	BRL		µg/kg wet	5.00						
alpha-BHC [2C]	BRL		µg/kg wet	5.00						
beta-BHC	BRL		µg/kg wet	5.00						
beta-BHC [2C]	BRL		µg/kg wet	5.00						
delta-BHC	BRL		µg/kg wet	5.00						
delta-BHC [2C]	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Heptachlor [2C]	BRL		µg/kg wet	5.00						
Aldrin	BRL		µg/kg wet	5.00						
Aldrin [2C]	BRL		µg/kg wet	5.00						
Heptachlor epoxide	BRL		µg/kg wet	5.00						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
Endosulfan I [2C]	BRL		µg/kg wet	5.00						
Dieldrin	BRL		µg/kg wet	5.00						
Dieldrin [2C]	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.00						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.00						
Endrin	BRL		µg/kg wet	8.00						
Endrin [2C]	BRL		µg/kg wet	8.00						
Endosulfan II	BRL		µg/kg wet	8.00						
Endosulfan II [2C]	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	8.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	8.00						
Endosulfan sulfate	BRL		µg/kg wet	8.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	8.00						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015601 - SW846 3545A										
Blank (1015601-BLK1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
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						
Mirex	BRL		µg/kg wet	10.0						
Mirex [2C]	BRL		µg/kg wet	10.0						
Alachlor	BRL		µg/kg wet	5.00						
Alachlor [2C]	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.4*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.2*		µg/kg wet		*20.0*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.3*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.6*		µg/kg wet		*20.0*		*73*	*30-150*		
LCS (1015601-BS1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	40.2		µg/kg wet	5.00	50.0		80	40-140		
alpha-BHC [2C]	41.7		µg/kg wet	5.00	50.0		83	40-140		
beta-BHC	44.3		µg/kg wet	5.00	50.0		89	40-140		
beta-BHC [2C]	46.9		µg/kg wet	5.00	50.0		94	40-140		
delta-BHC	36.2		µg/kg wet	5.00	50.0		72	40-140		
delta-BHC [2C]	35.7		µg/kg wet	5.00	50.0		71	40-140		
gamma-BHC (Lindane)	44.3		µg/kg wet	5.00	50.0		89	50-120		
gamma-BHC (Lindane) [2C]	43.4		µg/kg wet	5.00	50.0		87	50-120		
Heptachlor	45.2		µg/kg wet	5.00	50.0		90	40-140		
Heptachlor [2C]	43.2		µg/kg wet	5.00	50.0		86	40-140		
Aldrin	45.0		µg/kg wet	5.00	50.0		90	40-140		
Aldrin [2C]	43.2		µg/kg wet	5.00	50.0		86	40-140		
Heptachlor epoxide	43.1		µg/kg wet	5.00	50.0		86	50-140		
Heptachlor epoxide [2C]	42.6		µg/kg wet	5.00	50.0		85	50-140		
Endosulfan I	43.3		µg/kg wet	5.00	50.0		87	40-140		
Endosulfan I [2C]	44.4		µg/kg wet	5.00	50.0		89	40-140		
Dieldrin	43.6		µg/kg wet	5.00	50.0		87	40-130		
Dieldrin [2C]	45.5		µg/kg wet	5.00	50.0		91	40-130		
4,4'-DDE (p,p')	46.4		µg/kg wet	5.00	50.0		93	50-140		
4,4'-DDE (p,p') [2C]	44.7		µg/kg wet	5.00	50.0		89	50-140		
Endrin	50.6		µg/kg wet	8.00	50.0		101	50-120		
Endrin [2C]	49.8		µg/kg wet	8.00	50.0		100	50-120		
Endosulfan II	44.1		µg/kg wet	8.00	50.0		88	40-140		
Endosulfan II [2C]	44.2		µg/kg wet	8.00	50.0		88	40-140		
4,4'-DDD (p,p')	45.7		µg/kg wet	8.00	50.0		91	40-140		
4,4'-DDD (p,p') [2C]	46.3		µg/kg wet	8.00	50.0		93	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 1015601 - SW846 3545A										
LCS (1015601-BS1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
Endosulfan sulfate	42.5		µg/kg wet	8.00	50.0		85	50-120		
Endosulfan sulfate [2C]	38.5		µg/kg wet	8.00	50.0		77	50-120		
4,4'-DDT (p,p')	57.6		µg/kg wet	8.00	50.0		115	40-140		
4,4'-DDT (p,p') [2C]	44.6		µg/kg wet	8.00	50.0		89	40-140		
Methoxychlor	63.2		µg/kg wet	8.00	50.0		126	40-140		
Methoxychlor [2C]	46.4		µg/kg wet	8.00	50.0		93	40-140		
Endrin ketone	44.5		µg/kg wet	8.00	50.0		89	40-140		
Endrin ketone [2C]	43.1		µg/kg wet	8.00	50.0		86	40-140		
Endrin aldehyde	37.8		µg/kg wet	8.00	50.0		76	40-140		
Endrin aldehyde [2C]	21.6		µg/kg wet	8.00	50.0		43	40-140		
alpha-Chlordane	44.1		µg/kg wet	5.00	50.0		88	40-140		
alpha-Chlordane [2C]	44.7		µg/kg wet	5.00	50.0		89	40-140		
gamma-Chlordane	45.3		µg/kg wet	5.00	50.0		91	40-130		
gamma-Chlordane [2C]	45.3		µg/kg wet	5.00	50.0		91	40-130		
Alachlor	47.4		µg/kg wet	5.00	50.0		95	40-140		
Alachlor [2C]	47.1		µg/kg wet	5.00	50.0		94	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.1*		µg/kg wet		*20.0*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*103*	*30-150*		
LCS Dup (1015601-BSD1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
alpha-BHC	39.8		µg/kg wet	5.00	50.0		80	40-140	0.9	30
alpha-BHC [2C]	41.4		µg/kg wet	5.00	50.0		83	40-140	0.8	30
beta-BHC	45.6		µg/kg wet	5.00	50.0		91	40-140	3	30
beta-BHC [2C]	46.9		µg/kg wet	5.00	50.0		94	40-140	0.004	30
delta-BHC	37.0		µg/kg wet	5.00	50.0		74	40-140	2	30
delta-BHC [2C]	36.0		µg/kg wet	5.00	50.0		72	40-140	0.8	30
gamma-BHC (Lindane)	44.4		µg/kg wet	5.00	50.0		89	50-120	0.3	30
gamma-BHC (Lindane) [2C]	43.1		µg/kg wet	5.00	50.0		86	50-120	0.6	30
Heptachlor	45.3		µg/kg wet	5.00	50.0		91	40-140	0.2	30
Heptachlor [2C]	43.1		µg/kg wet	5.00	50.0		86	40-140	0.3	30
Aldrin	45.4		µg/kg wet	5.00	50.0		91	40-140	0.8	30
Aldrin [2C]	43.2		µg/kg wet	5.00	50.0		86	40-140	0.04	30
Heptachlor epoxide	44.7		µg/kg wet	5.00	50.0		89	50-140	3	30
Heptachlor epoxide [2C]	43.0		µg/kg wet	5.00	50.0		86	50-140	0.9	30
Endosulfan I	45.3		µg/kg wet	5.00	50.0		91	40-140	5	30
Endosulfan I [2C]	44.9		µg/kg wet	5.00	50.0		90	40-140	1	30
Dieldrin	45.9		µg/kg wet	5.00	50.0		92	40-130	5	30
Dieldrin [2C]	46.1		µg/kg wet	5.00	50.0		92	40-130	1	30
4,4'-DDE (p,p')	48.8		µg/kg wet	5.00	50.0		98	50-140	5	30
4,4'-DDE (p,p') [2C]	45.2		µg/kg wet	5.00	50.0		90	50-140	1	30
Endrin	53.7		µg/kg wet	8.00	50.0		107	50-120	6	30
Endrin [2C]	49.5		µg/kg wet	8.00	50.0		99	50-120	0.6	30
Endosulfan II	47.6		µg/kg wet	8.00	50.0		95	40-140	8	30
Endosulfan II [2C]	45.0		µg/kg wet	8.00	50.0		90	40-140	2	30
4,4'-DDD (p,p')	49.1		µg/kg wet	8.00	50.0		98	40-140	7	30
4,4'-DDD (p,p') [2C]	46.6		µg/kg wet	8.00	50.0		93	40-140	0.5	30
Endosulfan sulfate	46.0		µg/kg wet	8.00	50.0		92	50-120	8	30
Endosulfan sulfate [2C]	39.0		µg/kg wet	8.00	50.0		78	50-120	1	30
4,4'-DDT (p,p')	62.5		µg/kg wet	8.00	50.0		125	40-140	8	30
4,4'-DDT (p,p') [2C]	45.6		µg/kg wet	8.00	50.0		91	40-140	2	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015601 - SW846 3545A										
LCS Dup (1015601-BSD1)					Prepared: 23-Jul-10 Analyzed: 25-Jul-10					
Methoxychlor	69.6		µg/kg wet	8.00	50.0		139	40-140	10	30
Methoxychlor [2C]	45.7		µg/kg wet	8.00	50.0		91	40-140	2	30
Endrin ketone	48.9		µg/kg wet	8.00	50.0		98	40-140	9	30
Endrin ketone [2C]	43.5		µg/kg wet	8.00	50.0		87	40-140	0.8	30
Endrin aldehyde	41.0		µg/kg wet	8.00	50.0		82	40-140	8	30
Endrin aldehyde [2C]	21.5		µg/kg wet	8.00	50.0		43	40-140	0.6	30
alpha-Chlordane	45.9		µg/kg wet	5.00	50.0		92	40-140	4	30
alpha-Chlordane [2C]	45.2		µg/kg wet	5.00	50.0		90	40-140	1	30
gamma-Chlordane	47.4		µg/kg wet	5.00	50.0		95	40-130	4	30
gamma-Chlordane [2C]	45.7		µg/kg wet	5.00	50.0		91	40-130	1	30
Alachlor	49.6		µg/kg wet	5.00	50.0		99	40-140	5	30
Alachlor [2C]	47.3		µg/kg wet	5.00	50.0		95	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.3*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.3*		µg/kg wet		*20.0*		*131*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Batch 1015602 - SW846 3545A										
Blank (1015602-BLK1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.5*		µg/kg wet		*20.0*		*113*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.8*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
LCS (1015602-BS1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	283		µg/kg wet	20.0	250		113	50-140		
Aroclor-1016 [2C]	232		µg/kg wet	20.0	250		93	50-140		
Aroclor-1260	246		µg/kg wet	20.0	250		98	50-140		
Aroclor-1260 [2C]	218		µg/kg wet	20.0	250		87	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.6*		µg/kg wet		*20.0*		*133*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
LCS Dup (1015602-BSD1)					Prepared & Analyzed: 23-Jul-10					

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015602 - SW846 3545A										
LCS Dup (1015602-BSD1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	260		µg/kg wet	20.0	250		104	50-140	8	30
Aroclor-1016 [2C]	242		µg/kg wet	20.0	250		97	50-140	4	30
Aroclor-1260	237		µg/kg wet	20.0	250		95	50-140	4	30
Aroclor-1260 [2C]	220		µg/kg wet	20.0	250		88	50-140	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.1*		µg/kg wet		*20.0*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.9*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Batch 1015637 - SW846 3510C										
Blank (1015637-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
alpha-BHC	BRL		µg/l	0.020						
alpha-BHC [2C]	BRL		µg/l	0.020						
beta-BHC	BRL		µg/l	0.020						
beta-BHC [2C]	BRL		µg/l	0.020						
delta-BHC	BRL		µg/l	0.020						
delta-BHC [2C]	BRL		µg/l	0.020						
gamma-BHC (Lindane)	BRL		µg/l	0.020						
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.020						
Heptachlor	BRL		µg/l	0.020						
Heptachlor [2C]	BRL		µg/l	0.020						
Aldrin	BRL		µg/l	0.020						
Aldrin [2C]	BRL		µg/l	0.020						
Heptachlor epoxide	BRL		µg/l	0.020						
Heptachlor epoxide [2C]	BRL		µg/l	0.020						
Endosulfan I	BRL		µg/l	0.020						
Endosulfan I [2C]	BRL		µg/l	0.020						
Dieldrin	BRL		µg/l	0.020						
Dieldrin [2C]	BRL		µg/l	0.020						
4,4'-DDE (p,p')	BRL		µg/l	0.020						
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.020						
Endrin	BRL		µg/l	0.040						
Endrin [2C]	BRL		µg/l	0.040						
Endosulfan II	BRL		µg/l	0.040						
Endosulfan II [2C]	BRL		µg/l	0.040						
4,4'-DDD (p,p')	BRL		µg/l	0.040						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.040						
Endosulfan sulfate	BRL		µg/l	0.040						
Endosulfan sulfate [2C]	BRL		µg/l	0.040						
4,4'-DDT (p,p')	BRL		µg/l	0.040						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.040						
Methoxychlor	BRL		µg/l	0.040						
Methoxychlor [2C]	BRL		µg/l	0.040						
Endrin ketone	BRL		µg/l	0.040						
Endrin ketone [2C]	BRL		µg/l	0.040						
Endrin aldehyde	BRL		µg/l	0.040						
Endrin aldehyde [2C]	BRL		µg/l	0.040						
alpha-Chlordane	BRL		µg/l	0.020						
alpha-Chlordane [2C]	BRL		µg/l	0.020						
gamma-Chlordane	BRL		µg/l	0.020						
gamma-Chlordane [2C]	BRL		µg/l	0.020						
Toxaphene	BRL		µg/l	0.500						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015637 - SW846 3510C										
Blank (1015637-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Toxaphene [2C]	BRL		µg/l	0.500						
Chlordane	BRL		µg/l	0.065						
Chlordane [2C]	BRL		µg/l	0.065						
Mirex	BRL		µg/l	0.050						
Mirex [2C]	BRL		µg/l	0.050						
Alachlor	BRL		µg/l	0.020						
Alachlor [2C]	BRL		µg/l	0.020						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.205*		µg/l		*0.200*		*103*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/l		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.264*		µg/l		*0.200*		*132*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.223*		µg/l		*0.200*		*112*	*30-150*		
LCS (1015637-BS1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
alpha-BHC	0.441		µg/l	0.020	0.500		88	40-140		
alpha-BHC [2C]	0.442		µg/l	0.020	0.500		88	40-140		
beta-BHC	0.475		µg/l	0.020	0.500		95	40-140		
beta-BHC [2C]	0.452		µg/l	0.020	0.500		90	40-140		
delta-BHC	0.381		µg/l	0.020	0.500		76	40-140		
delta-BHC [2C]	0.359		µg/l	0.020	0.500		72	40-140		
gamma-BHC (Lindane)	0.470		µg/l	0.020	0.500		94	50-120		
gamma-BHC (Lindane) [2C]	0.453		µg/l	0.020	0.500		91	50-120		
Heptachlor	0.488		µg/l	0.020	0.500		98	40-140		
Heptachlor [2C]	0.444		µg/l	0.020	0.500		89	40-140		
Aldrin	0.470		µg/l	0.020	0.500		94	40-140		
Aldrin [2C]	0.436		µg/l	0.020	0.500		87	40-140		
Heptachlor epoxide	0.471		µg/l	0.020	0.500		94	50-140		
Heptachlor epoxide [2C]	0.441		µg/l	0.020	0.500		88	50-140		
Endosulfan I	0.478		µg/l	0.020	0.500		96	40-140		
Endosulfan I [2C]	0.447		µg/l	0.020	0.500		89	40-140		
Dieldrin	0.478		µg/l	0.020	0.500		96	40-130		
Dieldrin [2C]	0.448		µg/l	0.020	0.500		90	40-130		
4,4'-DDE (p,p')	0.499		µg/l	0.020	0.500		100	50-140		
4,4'-DDE (p,p') [2C]	0.437		µg/l	0.020	0.500		87	50-140		
Endrin	0.549		µg/l	0.040	0.500		110	50-120		
Endrin [2C]	0.491		µg/l	0.040	0.500		98	50-120		
Endosulfan II	0.495		µg/l	0.040	0.500		99	40-140		
Endosulfan II [2C]	0.441		µg/l	0.040	0.500		88	40-140		
4,4'-DDD (p,p')	0.500		µg/l	0.040	0.500		100	40-140		
4,4'-DDD (p,p') [2C]	0.454		µg/l	0.040	0.500		91	40-140		
Endosulfan sulfate	0.449		µg/l	0.040	0.500		90	50-120		
Endosulfan sulfate [2C]	0.379		µg/l	0.040	0.500		76	50-120		
4,4'-DDT (p,p')	0.648		µg/l	0.040	0.500		130	40-140		
4,4'-DDT (p,p') [2C]	0.463		µg/l	0.040	0.500		93	40-140		
Methoxychlor	0.665		µg/l	0.040	0.500		133	40-140		
Methoxychlor [2C]	0.451		µg/l	0.040	0.500		90	40-140		
Endrin ketone	0.481		µg/l	0.040	0.500		96	40-140		
Endrin ketone [2C]	0.434		µg/l	0.040	0.500		87	40-140		
Endrin aldehyde	0.408		µg/l	0.040	0.500		82	40-140		
Endrin aldehyde [2C]	0.339		µg/l	0.040	0.500		68	40-140		
alpha-Chlordane	0.495		µg/l	0.020	0.500		99	40-140		
alpha-Chlordane [2C]	0.445		µg/l	0.020	0.500		89	40-140		
gamma-Chlordane	0.494		µg/l	0.020	0.500		99	40-130		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015637 - SW846 3510C										
LCS (1015637-BS1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
gamma-Chlordane [2C]	0.451		µg/l	0.020	0.500		90	40-130		
Alachlor	0.502		µg/l	0.020	0.500		100	40-140		
Alachlor [2C]	0.447		µg/l	0.020	0.500		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.215*		µg/l		*0.200*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.208*		µg/l		*0.200*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.281*		µg/l		*0.200*		*141*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.229*		µg/l		*0.200*		*115*	*30-150*		
LCS Dup (1015637-BSD1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
alpha-BHC	0.432		µg/l	0.020	0.500		86	40-140	2	20
alpha-BHC [2C]	0.440		µg/l	0.020	0.500		88	40-140	0.5	20
beta-BHC	0.466		µg/l	0.020	0.500		93	40-140	2	20
beta-BHC [2C]	0.450		µg/l	0.020	0.500		90	40-140	0.5	20
delta-BHC	0.374		µg/l	0.020	0.500		75	40-140	2	20
delta-BHC [2C]	0.357		µg/l	0.020	0.500		71	40-140	0.5	20
gamma-BHC (Lindane)	0.461		µg/l	0.020	0.500		92	50-120	2	20
gamma-BHC (Lindane) [2C]	0.451		µg/l	0.020	0.500		90	50-120	0.4	20
Heptachlor	0.479		µg/l	0.020	0.500		96	40-140	2	20
Heptachlor [2C]	0.442		µg/l	0.020	0.500		88	40-140	0.5	20
Aldrin	0.462		µg/l	0.020	0.500		92	40-140	2	20
Aldrin [2C]	0.434		µg/l	0.020	0.500		87	40-140	0.4	20
Heptachlor epoxide	0.467		µg/l	0.020	0.500		93	50-140	0.9	20
Heptachlor epoxide [2C]	0.438		µg/l	0.020	0.500		88	50-140	0.6	20
Endosulfan I	0.471		µg/l	0.020	0.500		94	40-140	1	20
Endosulfan I [2C]	0.447		µg/l	0.020	0.500		89	40-140	0.08	20
Dieldrin	0.470		µg/l	0.020	0.500		94	40-130	2	20
Dieldrin [2C]	0.448		µg/l	0.020	0.500		90	40-130	0.1	20
4,4'-DDE (p,p')	0.492		µg/l	0.020	0.500		98	50-140	1	20
4,4'-DDE (p,p') [2C]	0.443		µg/l	0.020	0.500		89	50-140	1	20
Endrin	0.543		µg/l	0.040	0.500		109	50-120	1	20
Endrin [2C]	0.488		µg/l	0.040	0.500		98	50-120	0.5	20
Endosulfan II	0.488		µg/l	0.040	0.500		98	40-140	1	20
Endosulfan II [2C]	0.440		µg/l	0.040	0.500		88	40-140	0.2	20
4,4'-DDD (p,p')	0.490		µg/l	0.040	0.500		98	40-140	2	20
4,4'-DDD (p,p') [2C]	0.452		µg/l	0.040	0.500		90	40-140	0.4	20
Endosulfan sulfate	0.443		µg/l	0.040	0.500		89	50-120	1	20
Endosulfan sulfate [2C]	0.379		µg/l	0.040	0.500		76	50-120	0.1	20
4,4'-DDT (p,p')	0.641		µg/l	0.040	0.500		128	40-140	1	20
4,4'-DDT (p,p') [2C]	0.460		µg/l	0.040	0.500		92	40-140	0.7	20
Methoxychlor	0.658		µg/l	0.040	0.500		132	40-140	1	20
Methoxychlor [2C]	0.453		µg/l	0.040	0.500		91	40-140	0.3	20
Endrin ketone	0.473		µg/l	0.040	0.500		95	40-140	2	20
Endrin ketone [2C]	0.432		µg/l	0.040	0.500		86	40-140	0.6	20
Endrin aldehyde	0.402		µg/l	0.040	0.500		80	40-140	2	20
Endrin aldehyde [2C]	0.337		µg/l	0.040	0.500		67	40-140	0.6	20
alpha-Chlordane	0.488		µg/l	0.020	0.500		98	40-140	2	20
alpha-Chlordane [2C]	0.452		µg/l	0.020	0.500		90	40-140	1	20
gamma-Chlordane	0.485		µg/l	0.020	0.500		97	40-130	2	20
gamma-Chlordane [2C]	0.449		µg/l	0.020	0.500		90	40-130	0.5	20
Alachlor	0.494		µg/l	0.020	0.500		99	40-140	2	20
Alachlor [2C]	0.442		µg/l	0.020	0.500		88	40-140	1	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.212*		µg/l		*0.200*		*106*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015637 - SW846 3510C										
LCS Dup (1015637-BSD1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.207*		µg/l		*0.200*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.276*		µg/l		*0.200*		*138*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.232*		µg/l		*0.200*		*116*	*30-150*		
Batch 1015638 - SW846 3510C										
Blank (1015638-BLK1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	BRL		µg/l	0.200						
Aroclor-1016 [2C]	BRL		µg/l	0.200						
Aroclor-1221	BRL		µg/l	0.200						
Aroclor-1221 [2C]	BRL		µg/l	0.200						
Aroclor-1232	BRL		µg/l	0.200						
Aroclor-1232 [2C]	BRL		µg/l	0.200						
Aroclor-1242	BRL		µg/l	0.200						
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)	*0.200*		µg/l		*0.200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.185*		µg/l		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.241*		µg/l		*0.200*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.272*		µg/l		*0.200*		*136*	*30-150*		
LCS (1015638-BS1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	2.55		µg/l	0.200	2.50		102	50-140		
Aroclor-1016 [2C]	2.56		µg/l	0.200	2.50		102	50-140		
Aroclor-1260	2.84		µg/l	0.200	2.50		113	50-140		
Aroclor-1260 [2C]	2.39		µg/l	0.200	2.50		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.238*		µg/l		*0.200*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.201*		µg/l		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.299*		µg/l		*0.200*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.284*		µg/l		*0.200*		*142*	*30-150*		
LCS Dup (1015638-BSD1)					Prepared & Analyzed: 23-Jul-10					
Aroclor-1016	2.52		µg/l	0.200	2.50		101	50-140	1	30
Aroclor-1016 [2C]	2.62		µg/l	0.200	2.50		105	50-140	3	30
Aroclor-1260	2.73		µg/l	0.200	2.50		109	50-140	4	30
Aroclor-1260 [2C]	2.42		µg/l	0.200	2.50		97	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/l		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.203*		µg/l		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.293*		µg/l		*0.200*		*147*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.287*		µg/l		*0.200*		*144*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015605 - SW846 3545A										
Blank (1015605-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.86*		mg/kg wet		*3.33*		*86*	*50-150*		
LCS (1015605-BS1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
C9-C36 Aliphatic Hydrocarbons	64.6		mg/kg wet	13.3	93.3		69	60-120		
Surrogate: 1-Chlorooctadecane	*3.23*		mg/kg wet		*3.33*		*97*	*50-150*		
Duplicate (1015605-DUP1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Gasoline	BRL		mg/kg dry	33.0		BRL				50
Fuel Oil #2	BRL		mg/kg dry	33.0		BRL				50
Fuel Oil #4	BRL		mg/kg dry	33.0		BRL				50
Fuel Oil #6	BRL		mg/kg dry	33.0		BRL				50
Motor Oil	BRL		mg/kg dry	33.0		BRL				50
Aviation Fuel	BRL		mg/kg dry	33.0		BRL				50
Unidentified	BRL		mg/kg dry	33.0		BRL				50
Other Oil	BRL		mg/kg dry	33.0		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	33.0		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	33.0		BRL				50
Surrogate: 1-Chlorooctadecane	*3.44*		mg/kg dry		*4.14*		*83*	*50-150*		
Matrix Spike (1015605-MS1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
C9-C36 Aliphatic Hydrocarbons	77.6		mg/kg dry	17.4	122	BRL	64	50-150		
Surrogate: 1-Chlorooctadecane	*3.72*		mg/kg dry		*4.36*		*85*	*50-150*		
Matrix Spike Dup (1015605-MSD1)			Source: SB15521-19		Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
C9-C36 Aliphatic Hydrocarbons	76.6		mg/kg dry	16.9	119	BRL	65	50-150	2	30
Surrogate: 1-Chlorooctadecane	*3.71*		mg/kg dry		*4.23*		*88*	*50-150*		
Batch 1015635 - SW846 3545A										
Blank (1015635-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.78*		mg/kg wet		*3.33*		*113*	*50-150*		
LCS (1015635-BS1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
C9-C36 Aliphatic Hydrocarbons	70.4		mg/kg wet	13.3	93.3		75	60-120		
Surrogate: 1-Chlorooctadecane	*2.87*		mg/kg wet		*3.33*		*86*	*50-150*		
Batch 1015642 - SW846 3510C										

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015642 - SW846 3510C										
					Prepared & Analyzed: 23-Jul-10					
Blank (1015642-BLK1)										
Gasoline	BRL		mg/l	0.05						
Fuel Oil #2	BRL		mg/l	0.05						
Fuel Oil #4	BRL		mg/l	0.05						
Fuel Oil #6	BRL		mg/l	0.05						
Motor Oil	BRL		mg/l	0.05						
Aviation Fuel	BRL		mg/l	0.05						
Unidentified	BRL		mg/l	0.05						
Other Oil	BRL		mg/l	0.05						
Total Petroleum Hydrocarbons	BRL		mg/l	0.05						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.05						
Surrogate: 1-Chlorooctadecane	*0.0292*		mg/l		*0.0500*		*58*	*50-150*		
					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
LCS (1015642-BS1)										
C9-C36 Aliphatic Hydrocarbons	0.9		mg/l	0.05	1.40		66	60-120		
Surrogate: 1-Chlorooctadecane	*0.0423*		mg/l		*0.0500*		*85*	*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 1015654 - SW846 3005A										
Blank (1015654-BLK1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
LCS (1015654-BS1)					Prepared: 23-Jul-10 Analyzed: 26-Jul-10					
Lead	1.39		mg/l	0.0075	1.25		111	85-115		
Chromium	1.43		mg/l	0.0050	1.25		114	85-115		
Arsenic	1.29		mg/l	0.0040	1.25		103	85-115		
Cadmium	1.40		mg/l	0.0025	1.25		112	85-115		
LCS Dup (1015654-BSD1)					Prepared: 23-Jul-10 Analyzed: 24-Jul-10					
Lead	1.31		mg/l	0.0075	1.25		105	85-115	6	20
Arsenic	1.21		mg/l	0.0040	1.25		97	85-115	6	20
Cadmium	1.26		mg/l	0.0025	1.25		101	85-115	10	20
Chromium	1.39		mg/l	0.0050	1.25		111	85-115	3	20
Duplicate (1015654-DUP1)			Source: SB15521-24			Prepared: 23-Jul-10 Analyzed: 24-Jul-10				
Lead	BRL		mg/l	0.0075		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Cadmium	0.0002	J,QR8	mg/l	0.0025		0.0002			22	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Batch 1015655 - SW846 3050B										
Blank (1015655-BLK1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	BRL		mg/kg wet	1.47						
Chromium	BRL		mg/kg wet	0.977						
Cadmium	BRL		mg/kg wet	0.489						
Arsenic	BRL		mg/kg wet	1.47						
Duplicate (1015655-DUP1)			Source: SB15521-11			Prepared: 24-Jul-10 Analyzed: 26-Jul-10				
Lead	28.7	QR6	mg/kg dry	1.67		22.1			26	20
Arsenic	1.71		mg/kg dry	1.67		2.00			15	20
Cadmium	0.742		mg/kg dry	0.558		0.715			4	20
Chromium	14.6		mg/kg dry	1.12		14.1			3	20
Matrix Spike (1015655-MS1)			Source: SB15521-09			Prepared: 24-Jul-10 Analyzed: 26-Jul-10				
Lead	166		mg/kg dry	1.80	150	24.4	94	75-125		
Arsenic	133		mg/kg dry	1.80	150	2.44	87	75-125		
Cadmium	140		mg/kg dry	0.599	150	1.12	93	75-125		
Chromium	172		mg/kg dry	1.20	150	30.4	95	75-125		
Matrix Spike Dup (1015655-MSD1)			Source: SB15521-09			Prepared: 24-Jul-10 Analyzed: 26-Jul-10				
Lead	168		mg/kg dry	1.90	158	24.4	91	75-125	2	20
Cadmium	146		mg/kg dry	0.633	158	1.12	91	75-125	4	20
Chromium	180		mg/kg dry	1.27	158	30.4	94	75-125	4	20
Arsenic	138		mg/kg dry	1.90	158	2.44	86	75-125	4	20
Post Spike (1015655-PS1)			Source: SB15521-09			Prepared: 24-Jul-10 Analyzed: 26-Jul-10				
Lead	171		mg/kg dry	1.82	152	24.4	97	80-120		
Arsenic	141		mg/kg dry	1.82	152	2.44	91	80-120		
Chromium	174		mg/kg dry	1.21	152	30.4	95	80-120		
Cadmium	147		mg/kg dry	0.606	152	1.12	96	80-120		
Reference (1015655-SRM1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	67.6		mg/kg wet	1.50	72.1		94	81.3-118.8		
Chromium	51.4		mg/kg wet	1.00	52.6		98	80.3-119		
Cadmium	33.8		mg/kg wet	0.500	35.6		95	82.9-116.9		
Arsenic	64.0		mg/kg wet	1.50	69.1		93	82.6-117.4		

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 1015655 - SW846 3050B										
Reference (1015655-SRM2)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	70.0		mg/kg wet	1.50	73.9		95	81.3-118.8		
Chromium	52.6		mg/kg wet	1.00	53.9		98	80.3-119		
Cadmium	35.7		mg/kg wet	0.500	36.4		98	82.9-116.9		
Arsenic	66.0		mg/kg wet	1.50	70.8		93	82.6-117.4		
Batch 1015656 - EPA200/SW7000 Series										
Blank (1015656-BLK1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	BRL		mg/kg wet	0.0299						
Duplicate (1015656-DUP1)			Source: SB15521-11		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	0.0247	J	mg/kg dry	0.0323		0.0266			7	20
Matrix Spike (1015656-MS1)			Source: SB15521-09		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	0.515		mg/kg dry	0.0347	0.482	0.0125	104	75-125		
Matrix Spike Dup (1015656-MSD1)			Source: SB15521-09		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	0.565		mg/kg dry	0.0373	0.519	0.0125	106	75-125	9	20
Reference (1015656-SRM1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	6.57		mg/kg wet	0.600	6.55		100	71.5-128.1		
Batch 1015657 - SW846 3050B										
Blank (1015657-BLK1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	BRL		mg/kg wet	1.25						
Chromium	BRL		mg/kg wet	0.836						
Cadmium	BRL		mg/kg wet	0.418						
Arsenic	BRL		mg/kg wet	1.25						
Duplicate (1015657-DUP1)			Source: SB15521-01		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	133	QR6	mg/kg dry	1.71		168			23	20
Arsenic	7.02		mg/kg dry	1.71		7.26			3	20
Cadmium	1.27		mg/kg dry	0.568		1.19			7	20
Chromium	27.3		mg/kg dry	1.14		28.1			3	20
Matrix Spike (1015657-MS1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	136		mg/kg dry	1.71	143	6.66	90	75-125		
Chromium	158		mg/kg dry	1.14	143	18.6	98	75-125		
Cadmium	131		mg/kg dry	0.571	143	0.720	91	75-125		
Arsenic	130		mg/kg dry	1.71	143	6.99	86	75-125		
Matrix Spike Dup (1015657-MSD1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	145		mg/kg dry	1.79	149	6.66	93	75-125	7	20
Chromium	167		mg/kg dry	1.19	149	18.6	100	75-125	6	20
Cadmium	140		mg/kg dry	0.596	149	0.720	94	75-125	7	20
Arsenic	138		mg/kg dry	1.79	149	6.99	88	75-125	6	20
Post Spike (1015657-PS1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	149		mg/kg dry	1.78	149	6.66	96	80-120		
Chromium	165		mg/kg dry	1.19	149	18.6	98	80-120		
Arsenic	142		mg/kg dry	1.78	149	6.99	91	80-120		
Cadmium	145		mg/kg dry	0.594	149	0.720	97	80-120		
Reference (1015657-SRM1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	65.6		mg/kg wet	1.50	72.5		90	81.3-118.8		
Cadmium	33.5		mg/kg wet	0.500	35.7		94	82.9-116.9		
Chromium	49.7		mg/kg wet	1.00	52.9		94	80.3-119		
Arsenic	65.4		mg/kg wet	1.50	69.5		94	82.6-117.4		
Reference (1015657-SRM2)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Lead	68.4		mg/kg wet	1.50	74.0		92	81.3-118.8		
Arsenic	67.9		mg/kg wet	1.50	70.9		96	82.6-117.4		
Cadmium	34.9		mg/kg wet	0.500	36.5		96	82.9-116.9		

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 1015657 - SW846 3050B										
Reference (1015657-SRM2)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Chromium	51.4		mg/kg wet	1.00	54.0		95	80.3-119		
Batch 1015658 - EPA200/SW7000 Series										
Blank (1015658-BLK1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	BRL		mg/kg wet	0.0281						
Duplicate (1015658-DUP1)			Source: SB15521-01		Prepared: 24-Jul-10 Analyzed: 27-Jul-10					
Mercury	0.0621		mg/kg dry	0.0325		0.0641			3	20
Matrix Spike (1015658-MS1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 27-Jul-10					
Mercury	0.491		mg/kg dry	0.0326	0.452	0.0130	106	75-125		
Matrix Spike Dup (1015658-MSD1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 27-Jul-10					
Mercury	0.525		mg/kg dry	0.0356	0.494	0.0130	104	75-125	7	20
Post Spike (1015658-PS1)			Source: SB15521-03		Prepared: 24-Jul-10 Analyzed: 27-Jul-10					
Mercury	0.500		mg/kg dry	0.0340	0.473	0.0130	103	80-120		
Reference (1015658-SRM1)					Prepared: 24-Jul-10 Analyzed: 26-Jul-10					
Mercury	7.49		mg/kg wet	0.600	6.67		112	71.5-128.1		

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 1015653 - SW846 3005A										
Blank (1015653-BLK1)					Prepared & Analyzed: 23-Jul-10					
Mercury	BRL		mg/l	0.00030						
LCS (1015653-BS1)					Prepared & Analyzed: 23-Jul-10					
Mercury	0.00488		mg/l	0.00030	0.00500		98	85-115		
Duplicate (1015653-DUP1)			Source: SB15521-24		Prepared & Analyzed: 23-Jul-10					
Mercury	BRL		mg/l	0.00030		BRL				20
Matrix Spike (1015653-MS1)			Source: SB15521-25		Prepared & Analyzed: 23-Jul-10					
Mercury	0.00485		mg/l	0.00030	0.00500	BRL	97	75-125		
Matrix Spike Dup (1015653-MSD1)			Source: SB15521-25		Prepared & Analyzed: 23-Jul-10					
Mercury	0.00527		mg/l	0.00030	0.00500	BRL	105	75-125	8	20
Post Spike (1015653-PS1)			Source: SB15521-25		Prepared & Analyzed: 23-Jul-10					
Mercury	0.00446		mg/l	0.00030	0.00500	BRL	89	85-115		

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 1016287 - SW846 3010A										
Blank (1016287-BLK1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	BRL		mg/l	0.0150						
Chromium	BRL		mg/l	0.0100						
Cadmium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0080						
LCS (1016287-BS1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	2.51		mg/l	0.0150	2.50		100	85-115		
Chromium	2.57		mg/l	0.0100	2.50		103	85-115		
Cadmium	2.68		mg/l	0.0050	2.50		107	85-115		
Arsenic	2.34		mg/l	0.0080	2.50		94	85-115		
LCS Dup (1016287-BSD1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	2.42		mg/l	0.0150	2.50		97	85-115	4	20
Arsenic	2.25		mg/l	0.0080	2.50		90	85-115	4	20
Cadmium	2.61		mg/l	0.0050	2.50		104	85-115	3	20
Chromium	2.48		mg/l	0.0100	2.50		99	85-115	4	20
Duplicate (1016287-DUP1)			Source: SB15521-20		Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	BRL		mg/l	0.0150		BRL				20
Chromium	BRL		mg/l	0.0100		0.0041				20
Cadmium	BRL		mg/l	0.0050		0.0015				20
Matrix Spike (1016287-MS1)			Source: SB15521-21		Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	2.40		mg/l	0.0150	2.50	BRL	96	75-125		
Chromium	2.47		mg/l	0.0100	2.50	BRL	99	75-125		
Matrix Spike Dup (1016287-MSD1)			Source: SB15521-21		Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	2.53		mg/l	0.0150	2.50	BRL	101	75-125	5	20
Chromium	2.59		mg/l	0.0100	2.50	BRL	104	75-125	5	20
Post Spike (1016287-PS1)			Source: SB15521-21		Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	2.51		mg/l	0.0150	2.50	BRL	100	75-125		
Chromium	2.57		mg/l	0.0100	2.50	BRL	103	75-125		
Batch 1016288 - SW846 3010A										
Blank (1016288-BLK1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	BRL		mg/l	0.0075						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
LCS (1016288-BS1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	1.22		mg/l	0.0075	1.25		98	85-115		
Chromium	1.26		mg/l	0.0050	1.25		101	85-115		
Cadmium	1.35		mg/l	0.0025	1.25		108	85-115		
LCS Dup (1016288-BSD1)					Prepared: 02-Aug-10 Analyzed: 03-Aug-10					
Lead	1.26		mg/l	0.0075	1.25		101	85-115	3	20
Chromium	1.29		mg/l	0.0050	1.25		103	85-115	2	20
Cadmium	1.39		mg/l	0.0025	1.25		111	85-115	3	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1015501 - General Preparation										
Duplicate (1015501-DUP1)			Source: SB15521-16			Prepared & Analyzed: 21-Jul-10				
% Solids	71.3		%			69.7			2	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S006796			
Performance Mix (S006796-PEM1)			
4,4'-DDT (p,p')	1	2.5	15.0
Endrin	1	2.3	15.0
4,4'-DDT (p,p')	2	0.9	15.0
Endrin	2	2.0	15.0
Performance Mix (S006796-PEM2)			
4,4'-DDT (p,p')	1	2.3	15.0
Endrin	1	3.2	15.0
4,4'-DDT (p,p')	2	1.0	15.0
Endrin	2	1.9	15.0
Performance Mix (S006796-PEM3)			
4,4'-DDT (p,p')	1	2.8	15.0
Endrin	1	3.5	15.0
4,4'-DDT (p,p')	2	1.9	15.0
Endrin	2	2.3	15.0
Batch S006797			
Performance Mix (S006797-PEM1)			
4,4'-DDT (p,p')	1	2.3	15.0
Endrin	1	3.2	15.0
4,4'-DDT (p,p')	2	1.0	15.0
Endrin	2	1.9	15.0
Performance Mix (S006797-PEM2)			
4,4'-DDT (p,p')	1	2.8	15.0
Endrin	1	3.5	15.0
4,4'-DDT (p,p')	2	1.9	15.0
Endrin	2	2.3	15.0
Batch S006801			
Performance Mix (S006801-PEM1)			
4,4'-DDT (p,p')	1	2.2	15.0
Endrin	1	1.6	15.0
4,4'-DDT (p,p')	2	0.5	15.0
Endrin	2	1.4	15.0
Performance Mix (S006801-PEM2)			
4,4'-DDT (p,p')	1	2.5	15.0
Endrin	1	2.3	15.0
4,4'-DDT (p,p')	2	0.9	15.0
Endrin	2	2.0	15.0

Notes and Definitions

DC2	The analyte result for the primary column was outside of the acceptance limits. The result from the confirmation column was used. The analyte was not detected in the associated samples.
E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM3	Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
VOC11	This compound was over the instrument calibration range and was not re-analyzed from the Methanol vial because a minimum 50x dilution factor is required. The dilution factor combined with reporting limit would mean the final concentration would be BRL.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.
Z-2	CCV failed high. Samples BDL. Results acceptable.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
N	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Logical Environmental Solutions

Project Location: Kane St. Station Busway - Hartford, CT

Project Number: 171-305

Sampling Date(s):
7/19/2010

Laboratory Sample ID(s):
SB15521-01 through SB15521-26

RCP Methods Used:

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

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes ✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? * ** Exceptions are defined by qualifiers*	✓ Yes No ✓ Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes No

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

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

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 8/16/2010

SB|5571 CL

SPECTRUM ANALYTICAL, INC.
Featuring:
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/26/10
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 DAY / BEST AVAIL TAT

RUSH ORDER 7662

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

Invoice To: CTDOT - DAS Contract
c/o LES
3 DAY or BEST AVAIL TAT
P.O. No.: RQN:

Project No.: 171-305
Site Name: KANE ST STATION - BUSWAY
Location: HARTFORD State: CT
Sampler(s): C. Knight

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

List preservative code below: 7/9

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

G=Grab C=Composite

QA/QC Reporting Notes: (check as needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DPH RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other

State specific reporting standards: CTDEP RES DEC GA GWPC

Lab Id:	Sample Id:	Date:	Time:	Type:	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC - 8260	PAHs - 8270	Pesticides + PCB 8081/8082	CT ETPH Total Arsenic, Cd Lead + Chromium, Mercury		
0955572 01	KSB-1 2'-4'	7-19-10	12:15pm	C	SO	3	1			X	X	X	X	X	
02	KSB-1 6'-8'		12:40pm												
03	KSB-2 2'-4'		11:40am												
04	KSB-2 6'-8'		11:50am												
05	KSB-3 2'-4'		10:45am												
06	KSB-3 8'-12'		10:55am												
07	KSB-4 2'-4'		10:25am												
08	KSB-4 6'-8'		10:35am												
09	KSB-5 2'-4'		9:45am												
10	KSB-5 6'-8'		9:55am												

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	T. Bender	7/20/10	1:25	5.9
T. Bender	[signature]	7/21/10	16:40	3.2

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

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

SS5571 CLC

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
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Rush # 7662

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

Invoice To: CTDOT - DAS Contract
c/o LES.
P.O. No.: ____ RQN: ____

Project No.: 171-305
Site Name: Busway - Rave St. Station
Location: Hartford State: CT
Sampler(s): C. Knight

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

List preservative code below: 7/9

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O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes: (check as needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DPH RCP Report

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

State specific reporting standards: CTDEP RP DECH GA-RM

Lab Id:	Sample Id:	(Time) Date:	(Comp) Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC - 8260D	PAHs 8270D	PCBs + PAH 2021/3082	CT ETPH	Total Arsenic	Chromium			
SS5571 01	KSB-6 2-4	8:40am	7/19/10	C	SO	3	1			X	X	X	X	X				
02	KSB-6 4-6	8:50am																
03	KSB-7 2-4	8:15am																
04	KSB-7 8-12	8:20am																
05	KSB-8 2-4	7:55am																
06	KSB-8 6-8	8:00am				2												
07	KSB-9 2-4	7:20am				3												
08	KSB-9 6-8	7:35am																
09	KSB-9 6-8 Dup	7:35am																
10	KSB-10 2-4	5:55am																

X1 dropped other Lab and VOC broken

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	T. Bender	7/20/10	1:25	6.9
T. Bender	[signature]	7/21/10	16:40	3.2

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

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Frozen temp ___ °C ☐ Room temp ___ °C

SBS720 CW

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
☐ Standard TAT - 7 to 10 business days
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Rush # 7662

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

Invoice To: CTDOT - DAS Contract c/o LES.
P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway - Kane St. Station
Location: Hartford State: CT
Sampler(s): C. Knight

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

List preservative code below: 7/1 GW; 2

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

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

G=Grab C=Composite

State specific reporting standards: CTDEP RES DEC & OA Prg

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	PAHs - 8270 PCBs	Pest/Herb	CT EPH	Total As, Cd, Pb + Hg	CT		
21	KSB-10 6-8	7/19/10	6:00am	C	SO	3	1			X	X	X	X	X			
22	KSB-11 2-4		5:20am	↓	↓	↓	↓			↓	↓	↓	↓	↓			
22	KSB-11 6-8'		5:30am														
24	KSB-10 GW		6:45am	G	GW		4		2								F 500mL plastic labelled filtered for pest. Entire dissolved metals analysis
25	FB-1		1:30pm		X1		4		1								
26	TB-1					1											

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	T. Bender	7/20/10	1:25	5.9
T. Bender	[signature]	7/20/10	16:40	3.2

☒ EDD Format PRF
☒ E-mail to ekologicalenvironmental.com

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

2732 4127 3P 63J 31A

SB|SS2 & Cl

SPECTRUM ANALYTICAL, INC.
Featuring
HANGAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ± 7/26/10
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 DAY | BEST AVAIL TAT.

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

Invoice To: CTDOT - DAS Contract c/o LES
3 DAY or Best Avail. TAT
P.O. No.: RQN:

Project No.: 171-305 Rush Order 7662
Site Name: Kane St Station - Busway
Location: Hartford State: CT
Sampler(s): C Knight

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

List preservative code below: 7/9

QA/QC Reporting Notes: (check as needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DPH RCP Report
- QA/QC Reporting Level: ☒ Standard ☐ No QC ☐ Other
- State specific reporting standards: CTDEP RES DEC GA/GWC

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	PAHs - 8270	Pesticides + PCBs 8081/8082	CT EPH	TPH Arsenic Cd Chromium Lead + Mercury	SPLP PH/VOC	SPLP Cd	
0955522/01	KSB-1 2'-4'	7-19-10	12:15pm	C	SO	3	1			X	X	X	X	X	✓	✓	
02	KSB-1 6'-8'		12:40pm												✓	✓	
03	KSB-2 2'-4'		11:40am												✓		
04	KSB-2 6'-8'		11:50am												✓	✓	
05	KSB-3 2'-4'		10:45am												✓		
06	KSB-3 8'-12'		10:55am												✓	✓	
07	KSB-4 2'-4'		10:25am												✓		
08	KSB-4 6'-8'		10:35am												✓		
09	KSB-5 2'-4'		9:45am												✓	✓	
10	KSB-5 6'-8'		9:55am												✓		

ADDED ANALYSIS Per client req 7/29/10

Relinquished by:	Received by:	Date:	Time:	Temp °C
[illegible]	T. Bender	7/20/10	1:25	5.8
T. Bender	[illegible]	7/29/10	16:40	3.2

☒ EDD Format: PDF
☒ e-mail to: dk@logicalenvironmental.com

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

S55521 cl

SPECTRUM ANALYTICAL, INC.
Formerly
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 7/26/10
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed. 3 Day / Next Avail

Rush # 7662

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

Invoice To: CTDOT - DAS Contract
c/o LES

P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway - Kane St. Station
Location: Hartford State: CT
Sampler(s): C. Knight

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

List preservative code below: 7/9

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date: (Time)	Time: (Date)	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	PAHs - 8270	Resys & PCBs 8081/8082	CT ETPH	Total Arsenic, Cr, Chromium, Lead	SPLP Pb+Cr	SPLP Cd	
S55521-01	KSB-6 2'-4'	8:40am	7/19/10	C	SO	3	1			X	X	X	X	X	✓		
12	KSB-6 4'-6'	8:50am													✓		
13	KSB-7 2'-4'	8:15am													✓	✓	
14	KSB-7 8'-12'	8:20am													✓	✓	
15	KSB-8 2'-4'	7:55am													✓	✓	
16	KSB-8 6'-8'	8:00am				2									✓	✓	* I dropped other half of VOC extract
17	KSB-9 2'-4'	7:20am				3									✓		
18	KSB-9 6'-8'	7:25am													✓		ADDED ANALYSIS per client
19	KSB-9 8'-8.5'	7:35am													✓		
20	KSB-10 2'-4'	5:55am													✓	✓	7/29/10

QA/QC Reporting Notes: (check as needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other

State specific reporting standards: CTDEP RES Dec + GA/mc

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	T. Bender	7/20/10	1:25	5.9
T. Bender	[signature]	7/20/10	16:40	3.2

EDD Format: PDF
☒ E-mail to okelogical environmental.com

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

581522 CK

SPECTRUM ANALYTICAL, INC.
Focusing
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 7/26/10
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

3 Day - Best Avail
rush # 7662

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

Invoice To: CTDOT - Bus Contract c/o LES

P.O. No.: RQN:

Project No.: 171-305
Site Name: Busway - Kane St. Station
Location: Hartford State: CT
Sampler(s): C. Knight

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

List preservative code below: 7/4 (soil) 2 (GW)

QA/QC Reporting Notes: (check as needed)
☐ Provide MA DEP MCP CAM Report
☒ Provide CT DPH RCP Report
QA/QC Reporting Level ☒ Standard ☐ No QC
☐ Other
State specific reporting standards: CTDEP RES DEC + GB Prog

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs - 8260	PAHs - 8270 PCBs Pest 7/PCB 608.1/PCB 82	CT ETPH Total As, Cd, Cr, Pb + Hg	Sp Cu Pb Zn Cr	Sp Cu Cd Cr Pb Zn	
581522-21	KSB-10 6'-8'	7/18/10	6:00 am	C	SO	3	1			X	X	X	X	X	✓ ✓ ✓
22	KSB-11 2'-4'		5:20 am	↓	↓		↓								✓
23	KSB-11 6'-8'		5:30 am												
24	KSB-10 GW		6:45 am	G	GW		4		2						← 500ml plastic labelled filtered for poss. future dissolved metals analysis
25	FB-1		1:30 pm		X1	✓	4		1						
26	TB-1				↓	1									

ADDED ANALYSIS per client req 7/29/10

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	7/20/10	1:25	5.9
T. Bender	[signature]	7/21/10	10:40	3.2

☒ EDD Format PDF
☒ E-mail to ckelogicalenvironmental.com

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

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