TASK 210 Subsurface Site Investigation

New Britain to Hartford Busway
Contract 2 - Data Gap Investigation
Stanley Street to Cedar Street
New Britain/Newington, Connecticut

Prepared for:
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SIGNATURE PAGE

TASK 210 SUBSURFACE SITE INVESTIGATION

NEW BRITAIN TO HARTFORD BUSWAY
CONTRACT 2 - DATA GAP INVESTIGATION
NEW BRITAIN, CONNECTICUT

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1.0 INTRODUCTION

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) within the proposed limits of Contract 2 associated with the New Britain to Hartford Busway Project. Contract 2 is a proposed busway corridor along an abandoned railroad right-of-way between Stanley Street (New Britain) to Cedar Street (Newington), Connecticut (see Figure 1). The abandoned railroad property is owned by the State of Connecticut. The Task 210 SSI was limited to the areas that will be impacted by construction activities associated with the proposed busway station.

This report provides a brief description and environmental history of the site, a discussion of the local environment and receptors, the investigation rationale, a summary of the data obtained during the investigation, an interpretation of the results with respect to the appropriate regulatory criteria, and recommendations.

1.1 Background and Purpose

The portions of the corridor that were investigated are comprised of primarily bare earth and overgrown vegetation.

The SSI included the advancement of nine soil borings in order to collect soil and a groundwater sample, analysis of 23 soil samples and one groundwater sample, and analysis of a field blank water sample and trip blank soil and water samples 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.

After a review of the available plans and environmental reports for the proposed Contract 2 cooridor, DTC found several data gaps in the previous Task 210s completed by the Maguire Group, Inc. in 2006. The data gaps are primarily due to design changes.

1.2 Previous Environmental Reports

Maguire Group, Inc. (Maguire) completed a Task 210 Subsurface Site Investigation reports for the Inactive Line, New Britain in May 2006 and June 2006 that identified some environmental concerns along the proposed limits of the Contract 2 corridor, but the information did not provide adequate environmental data for the entire Contract 2 corridor.

Maguire Group, Inc. (Maguire) completed two Task 210 SSIs, entitled "Task 210 Subsurface Site Investigation, New Britain-Hartford Busway, Inactive Line, New Britain and Newington, Connecticut", in May 2006 and June 2006, that coincides with the Contract 2 corridor. Based on review of this Maguire Task 210 reports and current available plans, DTC identified several data gaps in the Maguire report, primarily due to design changes resulting in size modification of the corridor. The summary data tables from these reports are contained in Appendix C.

The purpose of DTC's Task 210 SSI was to collect and review additional on-site soil data in order to more adequately characterize the project corridor with respect to subsurface contamination, and to evaluate whether the proposed construction activities may require management of contaminated soil.

Based on a review of the above-referenced Maguire report, the potential exists for soil within the project corridor to be impacted with volatile organic compounds (VOCs), petroleum hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), metals, and chlorinated pesticides.

1.3 Scope of Work

This Task 210 SSI was completed in accordance with DTC's Task 210 Work Plan, dated November 29, 2010. The Task 210 SSI activities were designed based on the proposed activities for the property, as described above.

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

- Pre-drilling activities, including: (1) marking proposed drilling locations and (2) contacting Call-Before-You-Dig to request mark outs of publicly-owned utilities;
- Completion of nine 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 one or more of the following:
    - Volatile organic compounds (VOCs) by EPA Method 8260;
    - Extractable total petroleum hydrocarbons (ETPH) by the Connecticut DEP method;
    - Polychlorinated biphenyls (PCBs) by EPA Method 8082;
    - Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270;
    - Chlorinated pesticides by EPA Method 8081;
    - Total metals (arsenic, cadmium, chromium, mercury, and lead);
    - Leachable lead and pesticides by the Synthetic Precipitation Leaching Procedure (SPLP); and
    - Leachable lead by the Toxicity Characteristics Leaching Procedure (TCLP).
- Collection and laboratory analysis of one groundwater sample for one or more of the following: VOCs by EPA Method 624, total petroleum hydrocarbons (TPH) by EPA Method 1664, PAHs by EPA Method 625, pesticides by EPA Method 608, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc) by EPA Method 200.7.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

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

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

2.2 Bedrock Geology

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

2.3 Groundwater

The CT DEP's "Environmental GIS Data for Connecticut" (updated to August 12, 2010) depicts the groundwater classification for the corridor both "GA" and "GB". "GA" indicates that a portion of the corridor is located within the area of existing private water supply wells or an area with the potential to provide water to public or private water supply wells. The CT DEP presumes that groundwater in such an area is, at a minimum, suitable for drinking or other domestic uses without treatment. "GB" indicates that a portion of the corridor 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.

Soil borings B-1 through B-3 are located within a "GB" area. Soil borings B-4 through B-9 are located within a "GA" area.

Based on the corridor's location (Piper Brook and associated wetlands are the closest water body located to the east), groundwater likely flows in an easterly/northeasterly direction. It should be noted that the groundwater flow direction may vary depending on season, precipitation, bedrock, and the presence of subsurface structures and impervious surfaces.

During drilling activities for this Task 210 SSI, the groundwater table beneath the corridor was encountered at approximately 9 feet below grade in borings B-2 and B-9.

2.4 Surface Water

The Piper Brook lies between 700 and 4,000 feet east/northeast of the corridor. According to the above referenced DEP GIS data, the Piper Brook is classified as a class "B" surface water body. Class "B" surface water is considered suitable for one or more uses, which include certain fish and wildlife habitat, industrial uses, and navigation.

2.5 Drinking Water Supply

The New Britain Public Works provides public water service to the project area.

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the completion of nine soil borings and the collection and laboratory analysis of 23 soil samples and one groundwater 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 investigation was completed on December 2, 3, and 10, 2010.

The locations of the soil borings are depicted on Figures 2-10.

Soil samples were analyzed for the following parameters: VOCs, ETPH, PCBs, PAHs, chlorinated pesticides, total metals (arsenic cadmium, chromium, mercury, and lead), leachable lead and pesticides by SPLP, and leachable lead by TCLP. The groundwater samples were analyzed for VOCs, TPH, PAHs, pesticides, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc). Tables 2 and 3 provide a summary of the results of the laboratory analyses conducted on the soil and groundwater samples. The following sections summarize the field investigation and sampling methodologies used during this investigation.

3.1 Soil Boring Advancement and Sampling

Nine soil borings, identified as B-1 through B-9, were completed within the proposed construction limits of Contract 2 utilizing a truck-mounted Geoprobe® rig to a depth of up to 15 feet below grade. Continuous soil samples were obtained using a four-foot macro core sampling device with dedicated PVC sample liners. The macro core sample liner was opened along its long axis to allow inspection, description of lithology, and sampling of the soil core.

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

Two to three soil samples per boring, plus one duplicate soil sample from B-5, were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, MA, a State of Connecticut Department of Public Health certified environmental testing laboratory, using proper preservation techniques and chain of custody control.

3.2 Groundwater Sample Collection

One groundwater sample, identified as B-9/GW, was collected from a permanently installed monitoring well installed in boring B-9. The well was completed to a depth of 13.5 feet below grade using 1-inch diameter PVC slotted screen, 1-inch diameter PVC riser pipe to the ground surface, and was finished with flush-mount road box, cemented in place. A sand pack was installed surrounding the screened section of the well, which extended approximately two feet above the top of the well screen. An approximately one foot thick bentonite clay seal was installed above the sand pack to limit potential vertical migration of surface water down the borehole. The borehole was then backfilled with drill cuttings from the borehole to approximately one foot from grade using soil from the borehole.

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

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

The groundwater was then pumped at a low-flow volume rate into pre-preserved sample containers provided by the laboratory. Upon collection, the groundwater sample was immediately placed in a cooler with ice. The sample was 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 CT DEP to define the remediation performance standards for soil and groundwater, specific numeric cleanup criteria, and processes for establishing alternative site-specific standards. The RSRs apply specifically to sites at which remedial actions are required by the CT DEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

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

DTC compared the soil analytical results to criteria that are applicable to residential and industrial/commercial usage, and areas with either "GA" or "GB" classified groundwater. The span of the Contract 2 corridor is located within both a "GA" and "GB" area. In addition, DTC compared the concentrations of contaminants detected in the site groundwater to the limits listed in the CT DEP General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water, Appendix A - Toxic and Hazardous Pollutants and their Maximum Concentrations.

4.1 Soil Criteria

Direct Exposure Criteria (DEC)

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

Pollutant Mobility Criteria (PMC)

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

Soil borings B-1 through B-3 were compared to the GB PMC and Soil borings B-4 through B-9 were compared to the GA PMC.

4.2 Groundwater Handling

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 surface water body under the CT DEP General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water. Appendix A of the permit application outlines

the maximum concentrations that are allowed if the Contractor submits a General Permit Registration to discharge potentially contaminated groundwater directly to surface water during the construction phase of the project.

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

Soil analytical results are summarized in Table 2, along with the regulatory criteria. The soil analytical laboratory reports are included in Appendix B. The soil analytical results are discussed below.

ETPH

21 soil samples were analyzed for petroleum hydrocarbons utilizing the ETPH method. The B-2 (0-2') sample (580 ppm) contained petroleum hydrocarbons at a concentration above the Residential DEC of 500 ppm, but below the GB PMC. The B-2 (4-6') sample (62.5 ppm), B-6 (0-2') sample (52.2 ppm), B-6 (2-4') sample (380 ppm), B-7 (0-2') sample (68.1 ppm), B-8 (0-2') sample (64.7 ppm), B-8 (4-5') sample (67.4 ppm), and the B-9 (0-2.5') sample (42.5 ppm) contained ETPH at concentrations above the detection limits, but below the Residential DEC of 500 ppm. The remaining soil samples did not contain petroleum hydrocarbons at concentrations above the detection limit.

Volatile Organic Compounds (VOCs)

19 soil samples were analyzed for VOCs. None of the soil samples contained detectable concentrations of VOC compounds.

PAHs

19 soil samples were analyzed for PAHs. The B-7 (0-2') sample contained the PAHs benzo(b)fluoranthene (0.415 ppm), chrysene (0.435 ppm), fluoranthene (0.665 ppm), and pyrene (0.636 ppm) at concentrations above the detection limits, but below their respective Residential DEC, Industrial/Commercial DEC, and GA PMC. None of the other soil samples contained PAH compounds above the detection limits.

PCBs

19 soil samples were analyzed for PCBs. The B-6 (2-4') sample contained PCBs (0.0235 ppm), at a concentration below the RES DEC. None of the other soil samples contained detectable concentrations of PCBs.

Chlorinated Pesticides

12 soil samples were analyzed for chlorinated pesticides. One soil sample, B-9 (0-2.5'), contained chlordane (0.0982 ppb) at a concentration above the RES DEC. Other chlorinated pesticides were detected in the B-9 (0-2.5) sample, but at concentrations below the RSR criteria. Two other soil samples, B-2 (0-2') and B-7 (0-2'), contained chlorinated pesticides at concentrations above the detection limits, but below any applicable criteria.

In order to evaluate compliance with the GA PMC, sample B-9 (0-2.5') was also analyzed for leachable chlorinated pesticides by the synthetic precipitation leaching procedure (SPLP). SPLP pesticides were not detected above the detection limit of 0.006 ug/l, indicating compliance with the GA PMC.

Metals

20 soil samples were analyzed for total arsenic, cadmium, chromium, mercury, and lead. Soil sample B-2 (0-2') contained arsenic (32 ppm), at a concentration that exceeds the RES DEC of (10 ppm). None of the other soil samples contained metals above the applicable criteria.

Based upon the elevated concentrations of total lead, soil samples B-2 (0-2'), B-2 (4-6'), and B-6 (2-4'), were also analyzed for leachable lead by SPLP. The B-6 (2-4') sample contained leachable lead (0.0601 mg/l) at a concentration that exceeds the GA PMC of 0.015 mg/l. Samples B-2 (0-2') and B-2 (4-6') did not contained leachable lead above the detection limit.

Soil sample B-6 (2-4') was also analyzed by the toxicity characteristic leaching procedure (TCLP). Sample B-6 (2-4') did not contain TCLP lead above the RCRA characteristically hazardous regulatory limit of 5 ppm.

5.2 Groundwater Sample Analytical Results

One groundwater sample denoted as B-9/GW and Duplicate-2 (also obtained from monitoring well B-9) was submitted for laboratory analysis for the following; VOCs, TPH, PAHs, pesticides, and total and dissolved metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc). Groundwater analytical results are summarized in Table 3, along with the surface water discharge limits. The groundwater laboratory analytical report is included as Appendix B. The groundwater analytical results are summarized below.

TPH

The groundwater samples did not contain detectable concentrations of TPH.

Volatile Organic Compounds (VOCs)

The groundwater samples did not contain detectable concentrations of VOCs.

PAHs

The groundwater samples did not contain detectable concentrations of PAHs.

Pesticides

The groundwater samples did not contain detectable concentrations of pesticides.

Total Metals

The B-9/GW and Duplicate-2 (B-9/GW) samples contained concentrations of arsenic (7 ug/l and 7.4 ug/l), copper (71.2 ug/l), and lead (18.8 ug/l and 27 ug/l) above the discharge permit limit.

Dissolved Metals

The B-9/GW and Duplicate-2 (B-9/GW) samples contained concentrations of barium and zinc above the detection limit, but below the discharge permit limit.

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

Soil

As part of the QA/QC protocol, DTC submitted a duplicate soil sample identified as Duplicate-1 [B-5 (0-2')] for laboratory analyses. The results of the B-5 (0-2') and Duplicate-1 [B-5 (0-2')] samples were comparable and within acceptable QA/QC ranges. In addition, DTC thoroughly reviewed the QA/QC report included with the laboratory analytical report to evaluate the reliability of the analytical data. Based on the information provided in the laboratory QA/QC report, the analytical data are reliable. Please refer to the analytical report for a detailed narrative discussion of the reliability of the data.

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

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

Groundwater

As part of the QA/QC protocol, DTC submitted a duplicate groundwater sample Duplicate-2 (B-9/GW) for laboratory analyses. The results of the B-9/GW and Duplicate-2 (B-9/GW) samples were comparable and within acceptable QA/QC ranges.

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

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

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

As noted in Section 1.1, the purpose of this Task 210 SSI was to collect soil and groundwater samples and to use the soil and groundwater analytical data to evaluate current conditions within the corridor, and to identify the presence and location of subsurface contamination prior to the proposed construction activities.

The Task 210 SSI activities completed by DTC on December 2, 3, and 10, 2010 included the completion of nine soil borings, and collection and laboratory analysis of 23 soil and one groundwater samples. The Task 210 provided information for areas of proposed drainage structures and other construction activities associated with Contract 2 of the New Britain to Hartford Busway project.

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

Based on the findings of this Task 210 SSI and previous Task 210s completed by Maguire, DTC indentified five (5) Areas of Environmental Concern (AOECs) where contaminants are present in the soil at concentrations that exceed the DEP RSR criteria. Note that the GP- borings were completed by Maguire and the data is presented in Appendix C.

In addition, six (6) areas of the project corridor would be considered Low-Level Areas of Environmental Concern (LLAOECs), where contaminants were detected at concentrations below applicable RSR criteria, but above typical background concentrations. No groundwater AOECs were identified within the busway Contract 2 corridor.

The following summarizes the locations of the soil AOECs and LLAOECs within the Contract 2 corridor.

Soil Area of Environmental Concern

AOEC #1: Borings B-2 and GP-9

The analytical results from the soil samples collected from boring B-2 and GP-9 indicate the presence of ETPH, VOCs, PAHs, and arsenic at elevated concentrations in soil ranging from 0 to 8 feet below grade. The contamination detected exceeds the Residential DEC.

AOEC #2: Boring B-6

The analytical results from the soil sample collected from boring B-6 indicate the presence of SPLP lead at an elevated concentration in soil ranging from 2 to 4 feet below grade. The contamination detected exceeds the GA PMC.

AOEC #3: Borings GP-36 and GP-37

The analytical results from the soil samples collected from borings GP-36 and GP-37 indicate the presence of PAHs and arsenic at elevated concentrations in soil ranging from 0 to 4 feet below

grade. The contamination detected exceeds the GA PMC, Residential DEC, and Industrial/Commercial DEC.

AOEC #4: Boring GP-46

The analytical results from the soil sample collected from boring GP-46 indicate the presence of arsenic at elevated concentrations in soil ranging from 2 to 4 feet below grade. The contamination detected exceeds the Residential and Industrial/Commercial DEC.

Low Level Area of Environmental Concern

LL AOEC "A": Boring GP-26

The analytical results from the above location indicate the presence of ETPH and VOCs at concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 2 to 4 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "B": Boring GP-31

The analytical results from the above location indicate the presence of ETPH at a low concentration that does not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 2 to 4 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "C": Boring B-7

The analytical results from the above location indicate the presence of pesticides, PAHs, and ETPH at low concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 0 to 2 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "D": Boring B-8

The analytical results from the above location indicate the presence of ETPH at low concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 0 to 5 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "E": Boring B-9

The analytical results from the soil sample collected from boring B-9 indicate the presence of pesticides at low concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations in soil ranging from 0 to 2.5 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "F": Boring GP-45

The analytical results from the above location indicate the presence of VOCs at low concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 2 to 4 feet below grade. Based upon this, the area has been designated as a Low Level Area of Environmental Concern.

LL AOEC "G": Boring GP-47

The analytical results from the above location indicate the presence of VOCs at low concentrations that do not exceed any applicable RSR criteria, but are above typical background concentrations. The contamination was detected in soil ranging from 2 to 4 feet below grade. Based upon this, the area 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 within the corridor and identified areas where contamination is present. Based upon the results of this investigation, DTC recommends that a Task 310 Plans and Specifications be prepared to address the construction activities within the Areas of Environmental Concern and Low Level Areas of Environmental Concern discussed above.

7.0 LIMITATIONS

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

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

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

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

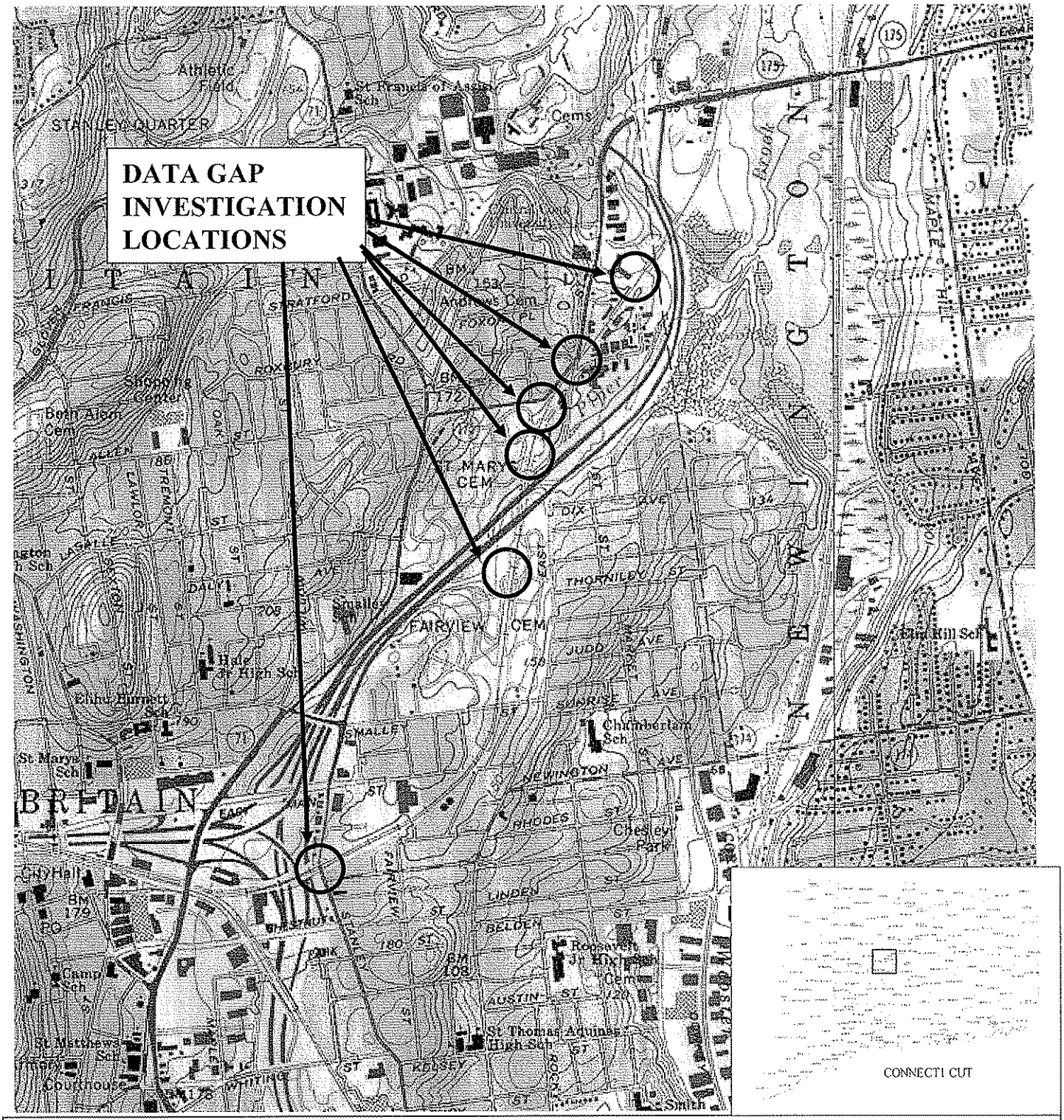
In completing this Task 210 SSI, DTC has relied upon information provided by subcontractors (i.e. laboratories and drilling contractors) and other environmental consultants (Maguire). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness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

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

8.0 REFERENCES

1. State of Connecticut Department of Environmental Protection (CT DEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, effective January 30, 1996.
2. CT DEP, "Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria", dated October 24, 2005.
3. CT DEP, "Regulated Criteria Summary Table", CTDEP website, October 11, 2007.
4. CT DEP, "Environmental GIS Data", updated August 12, 2010.
5. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2010.
6. Rogers, J. "Connecticut Bedrock and Natural History Survey", Connecticut Geological and Natural History Survey, Department of the Interior United States Geological Survey, 1985.
7. Task 210 Subsurface Site Investigation, New Britain to Hartford Busway, Inactive Line, New Britain, Connecticut, Maguire Group, Inc., dated May 2006.
8. Task 210 Subsurface Site Investigation, New Britain to Hartford Busway, Inactive Line, New Britain, Connecticut, Maguire Group, Inc., dated June 2006.
9. State of Connecticut Department of Environmental Protection (CT DEP), "General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water", Expiration Date March 29, 2015.

FIGURES



ConnDOT PROJECT No. 171-305
NEW BRITAIN TO HARTFORD BUSWAY
CONTRACT 2 - DATA GAP INVESTIGATION
NEW BRITAIN, CONNECTICUT

DTC Project No: 09-188-02E
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New Britain Quadrangle No.51
1:24,000

Figure 1

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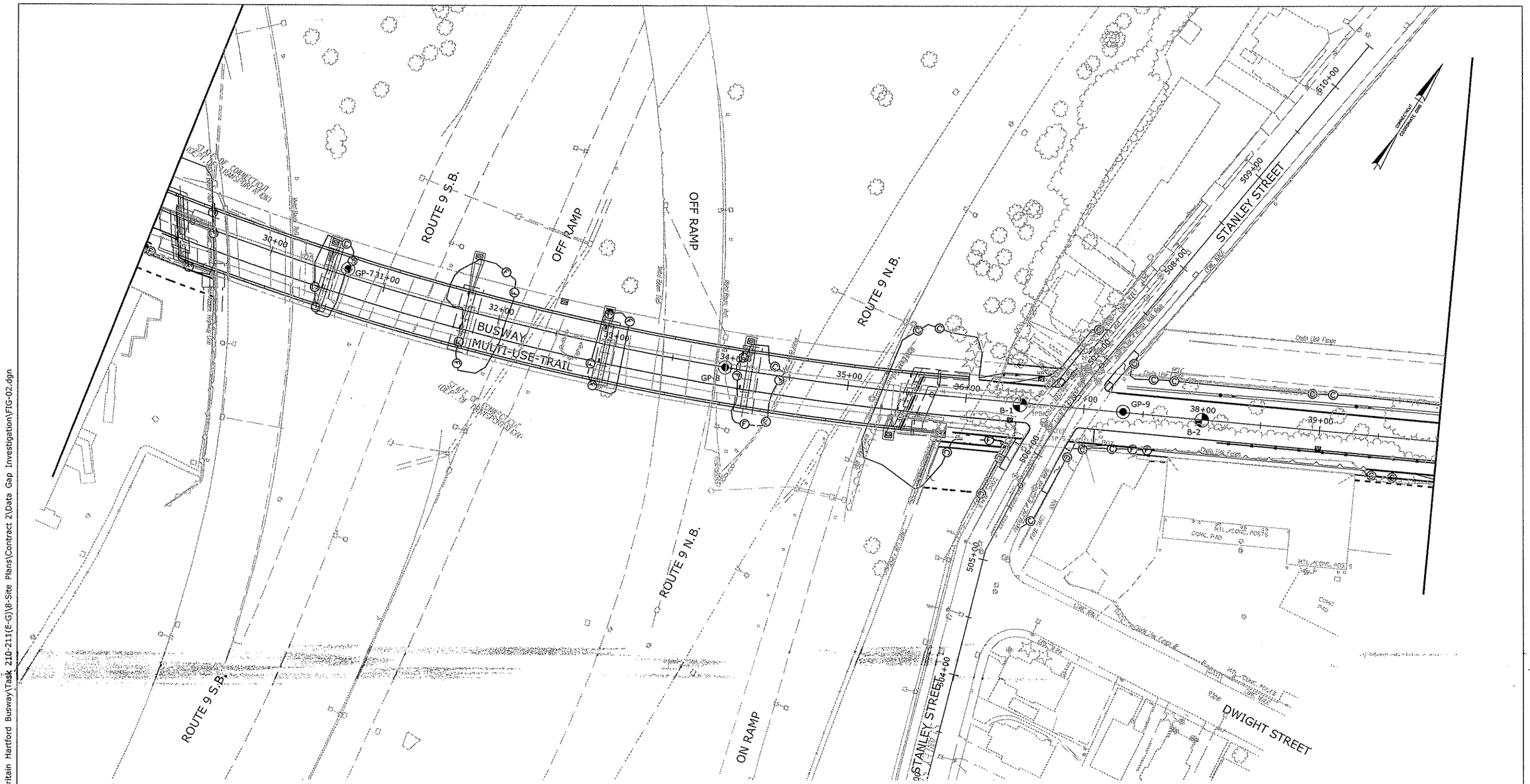
2321 Whitney Avenue, Suite 301, Hamden, CT 06518
Andover, MA



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-02.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/3/11
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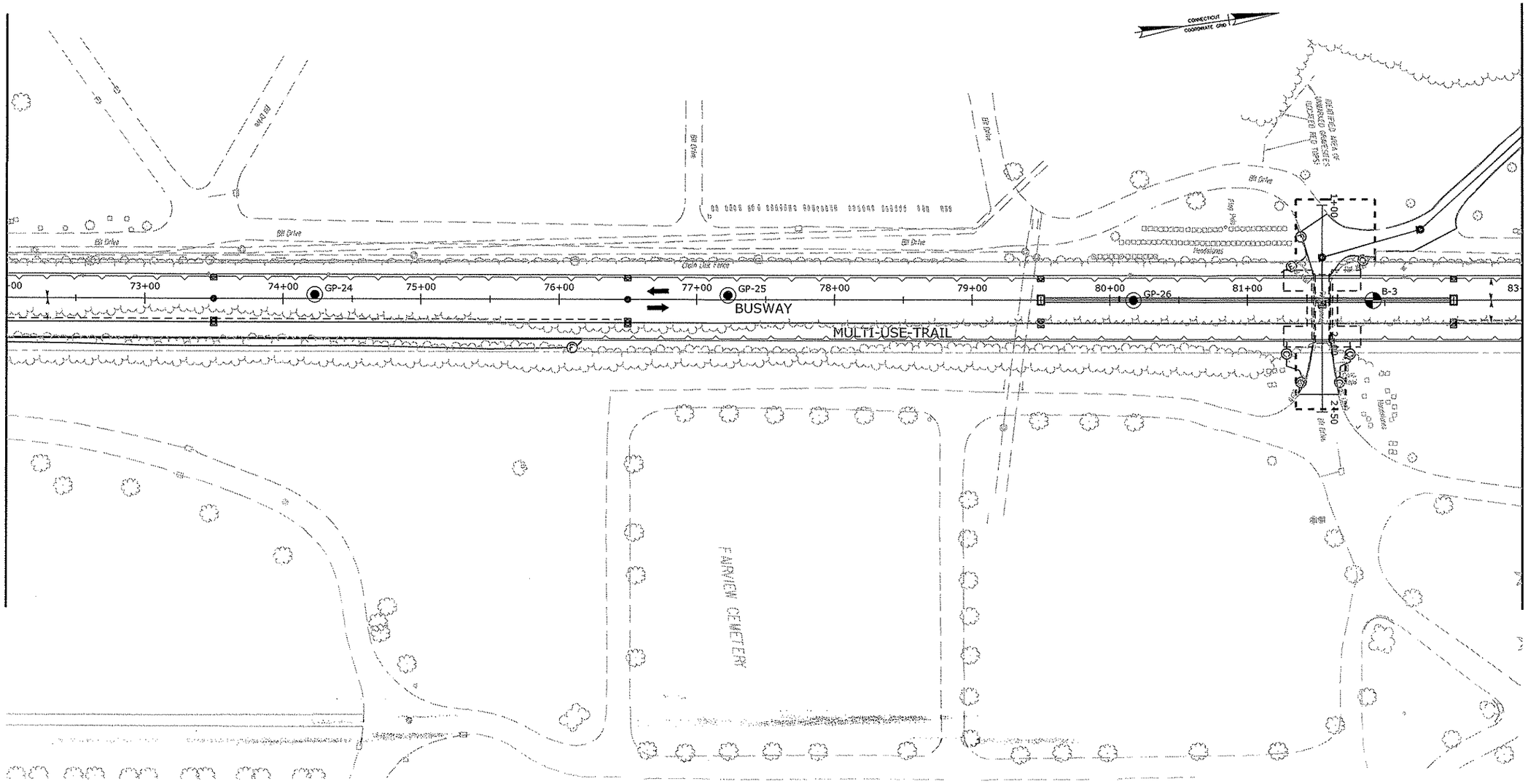
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 2

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-02.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-03.dgn
SCALE: 1" = 80'± DRAWN BY: STG
DATE: 2/3/11 CHECKED BY: ES

dtc

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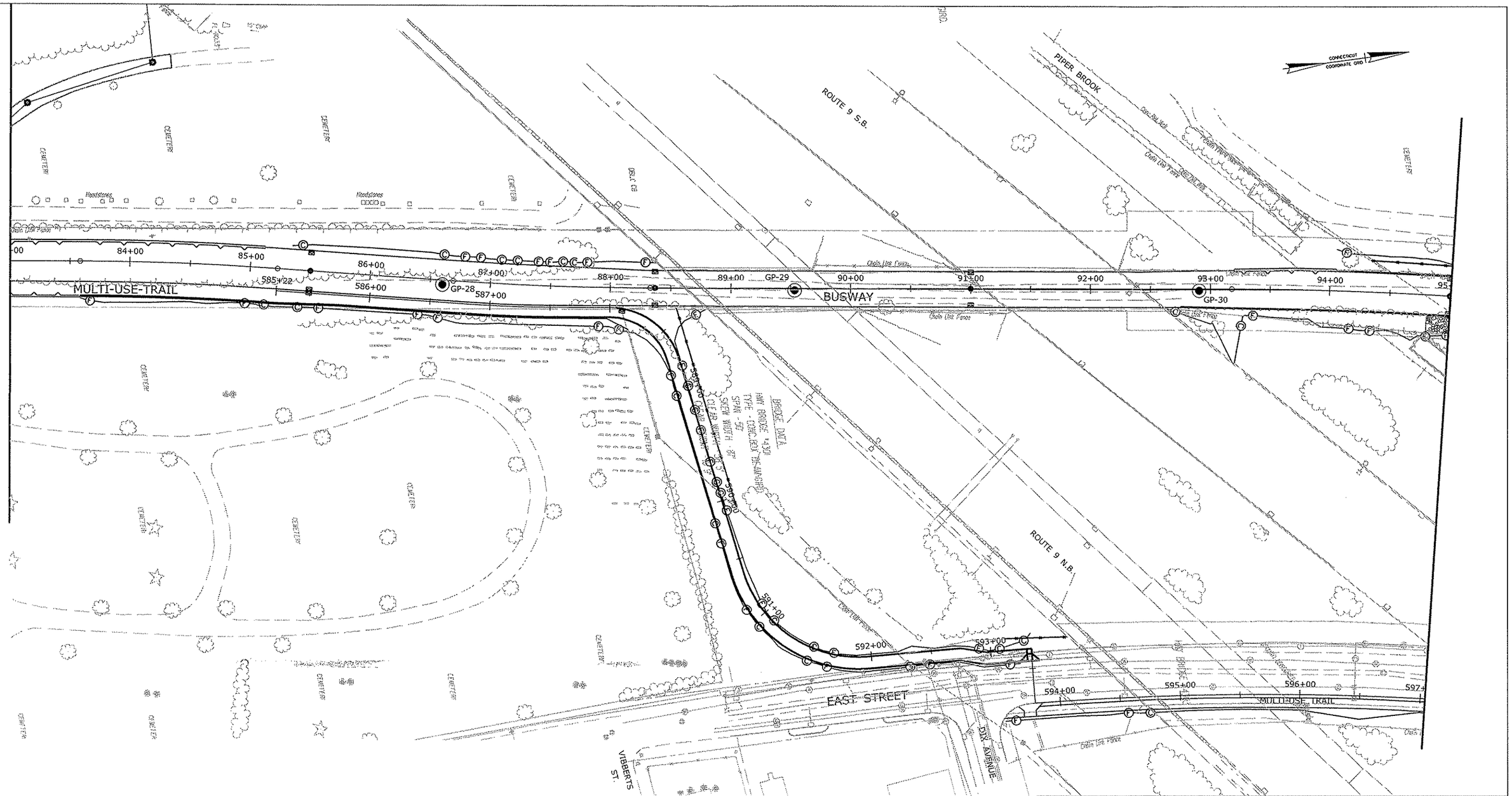
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 3

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-03.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-04.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/3/11
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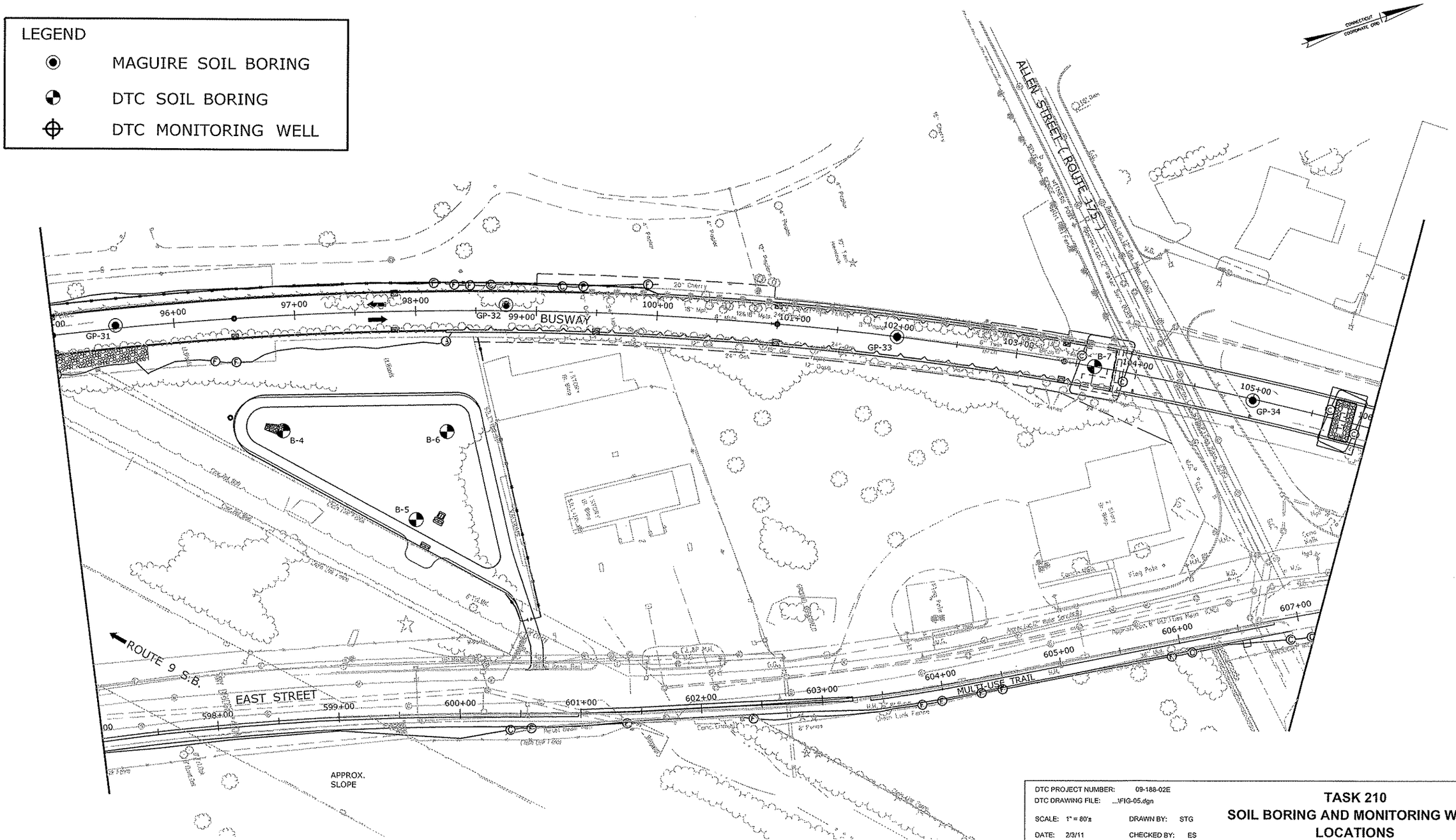
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 4

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-04.dgn



NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-05.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/3/11
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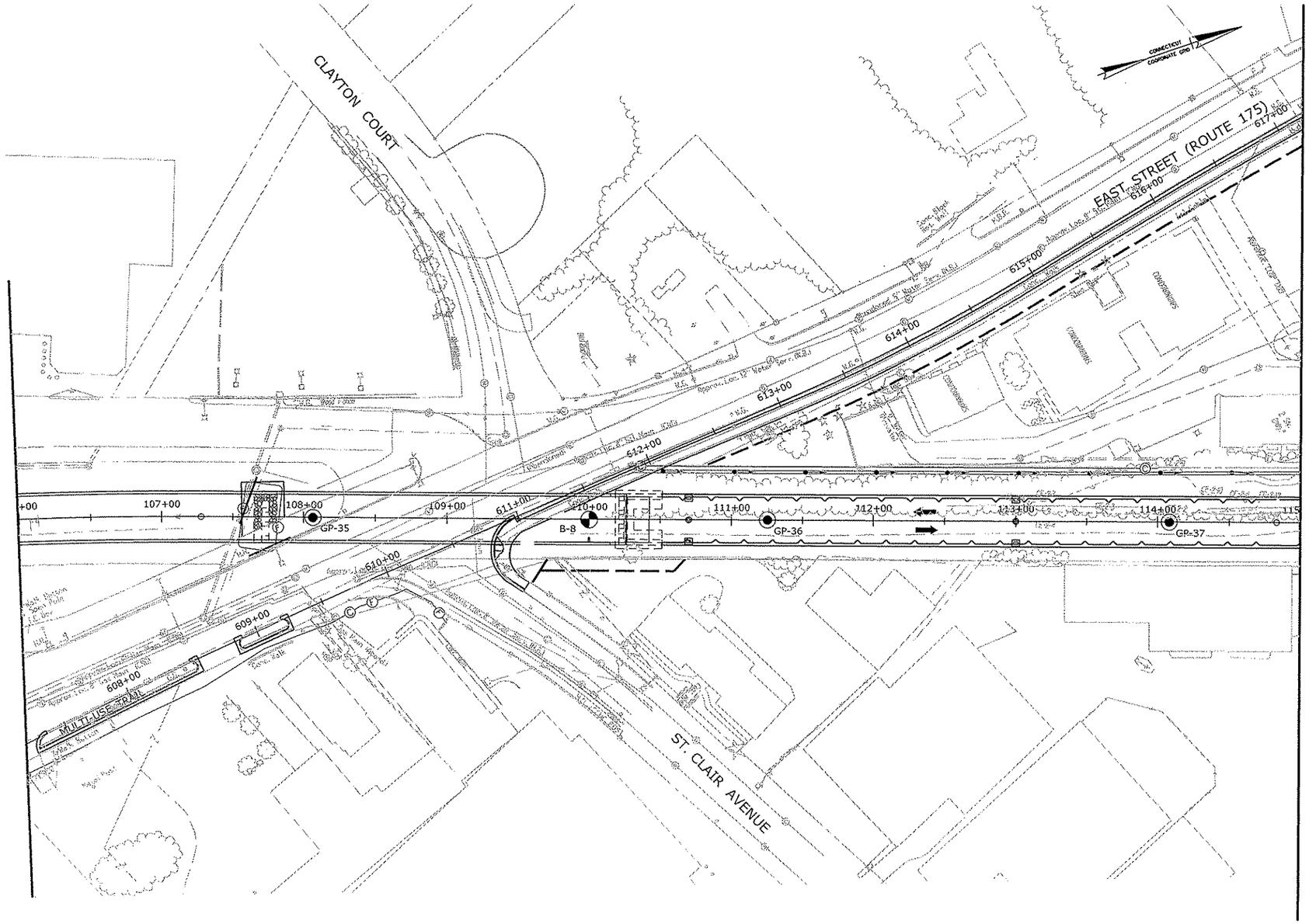
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 5

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-05.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-06.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 1/18/11
CHECKED BY: ES

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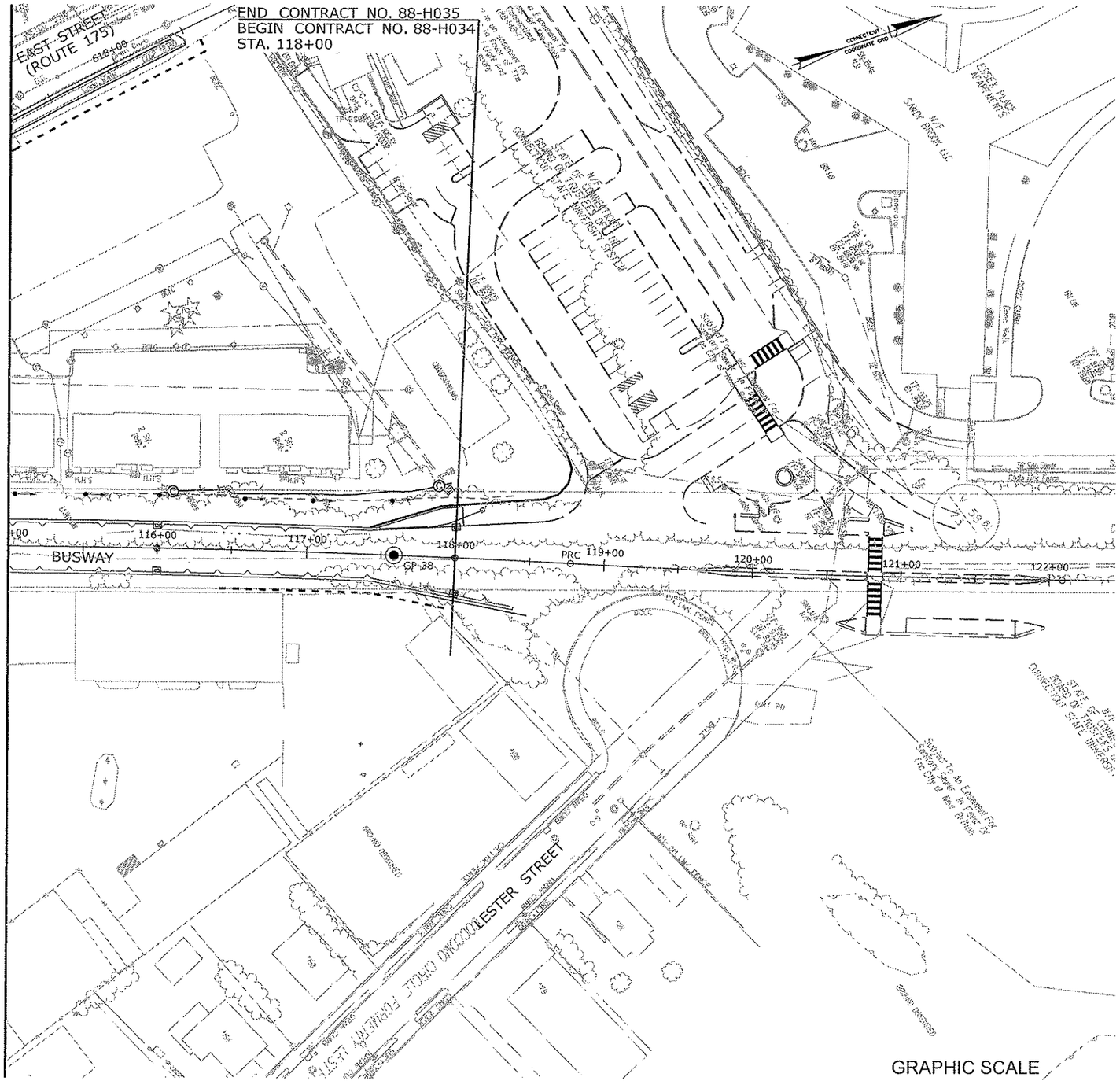
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 6

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-06.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

NOTES:

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

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-07.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/3/11
CHECKED BY: ES

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TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

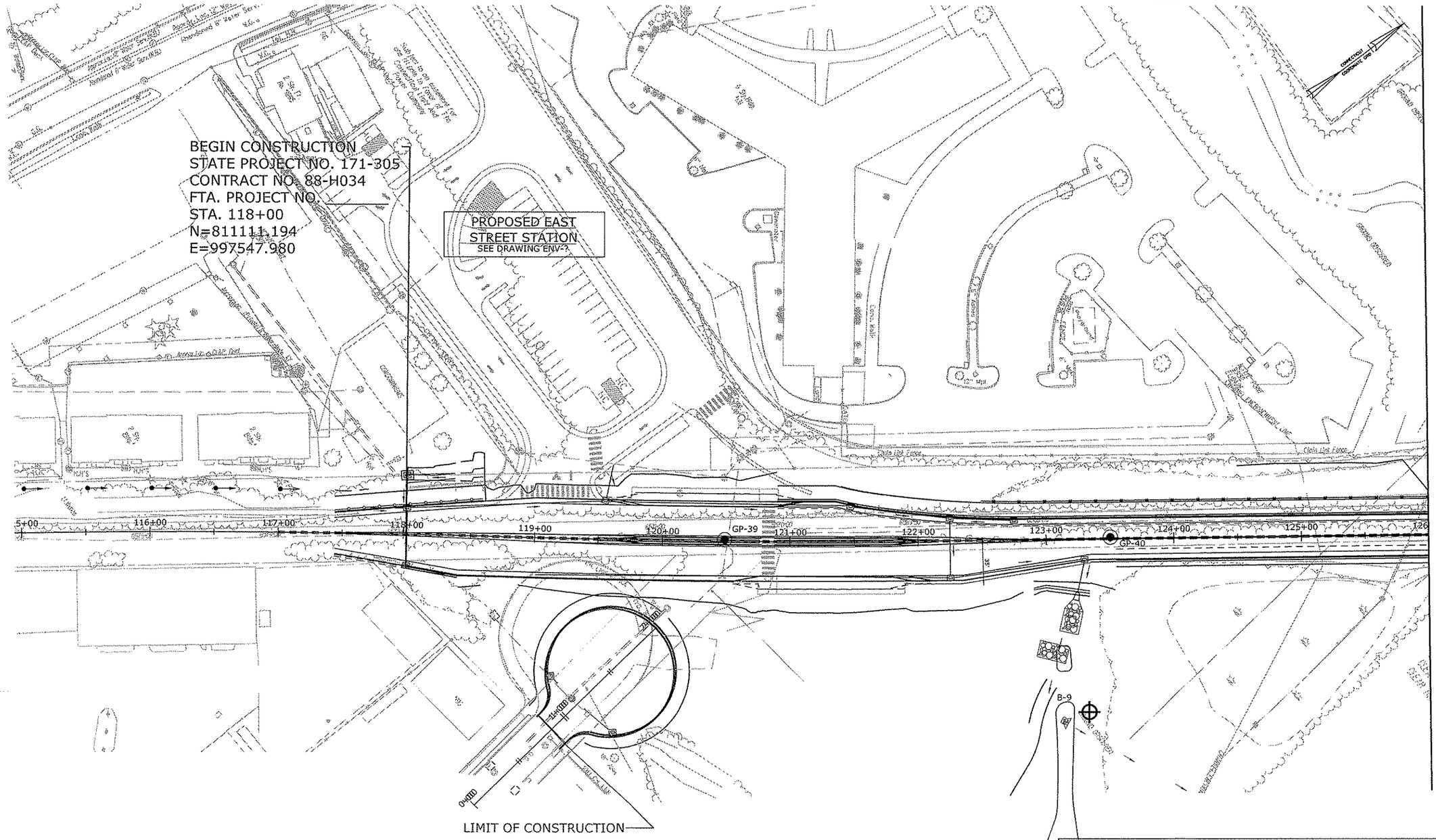
CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 7

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-07.dgn

P:\-Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-08.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-08.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/3/11
CHECKED BY: ES

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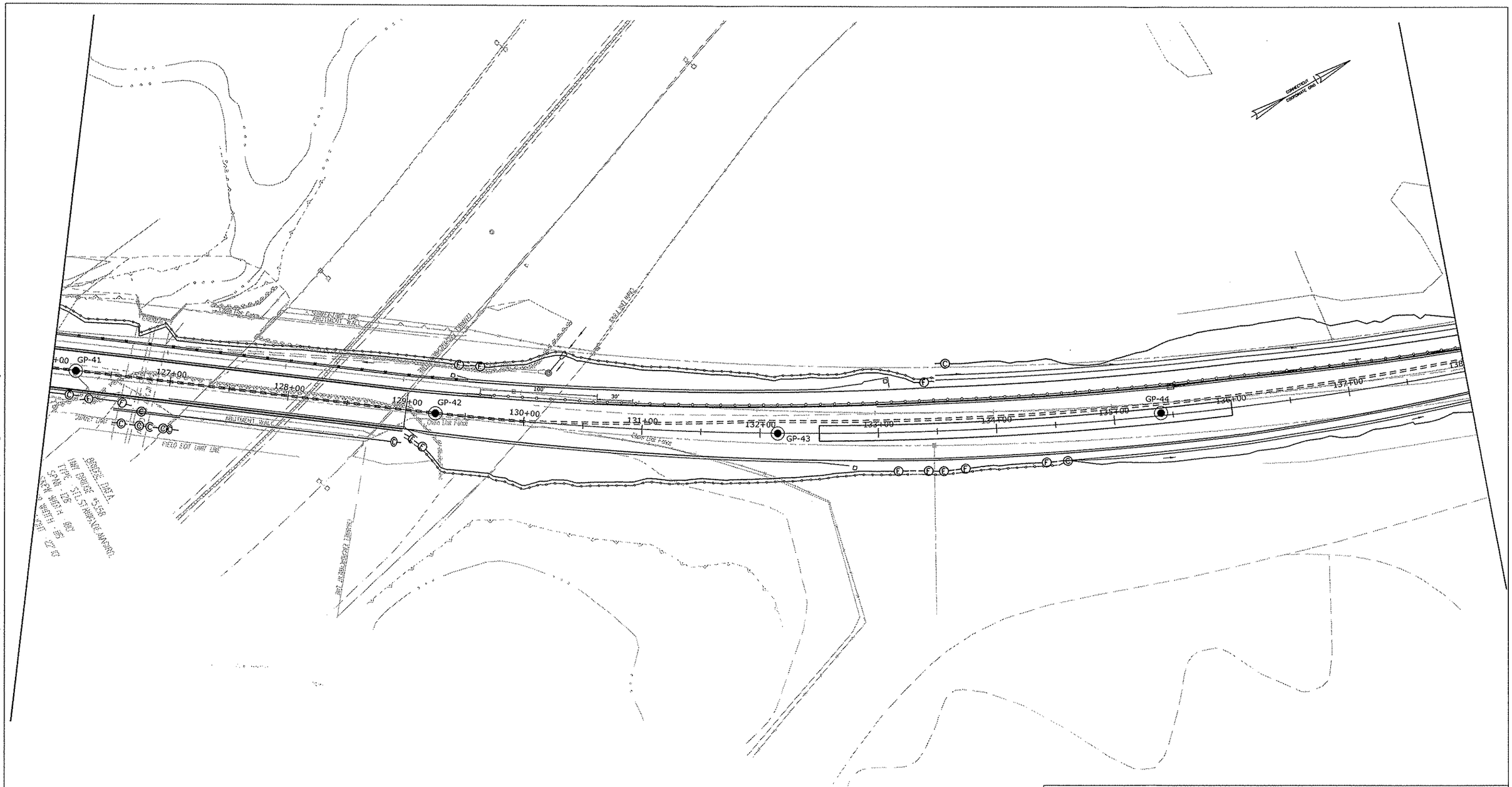
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 8

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-09.dgn



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-09.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
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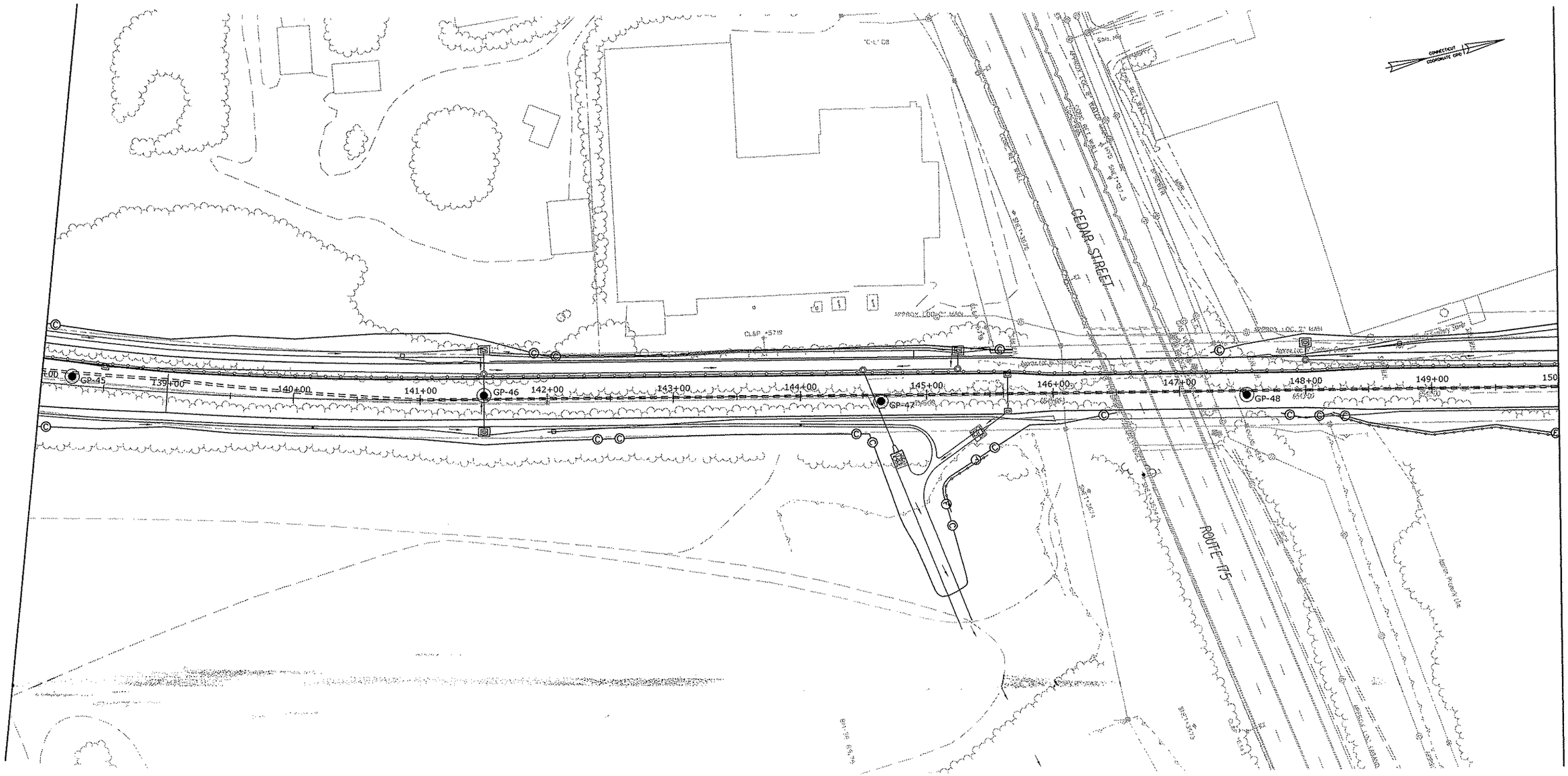
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 9



LEGEND

- MAGUIRE SOIL BORING
- DTC SOIL BORING
- DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-168-02E
DTC DRAWING FILE: ...\FIG-10.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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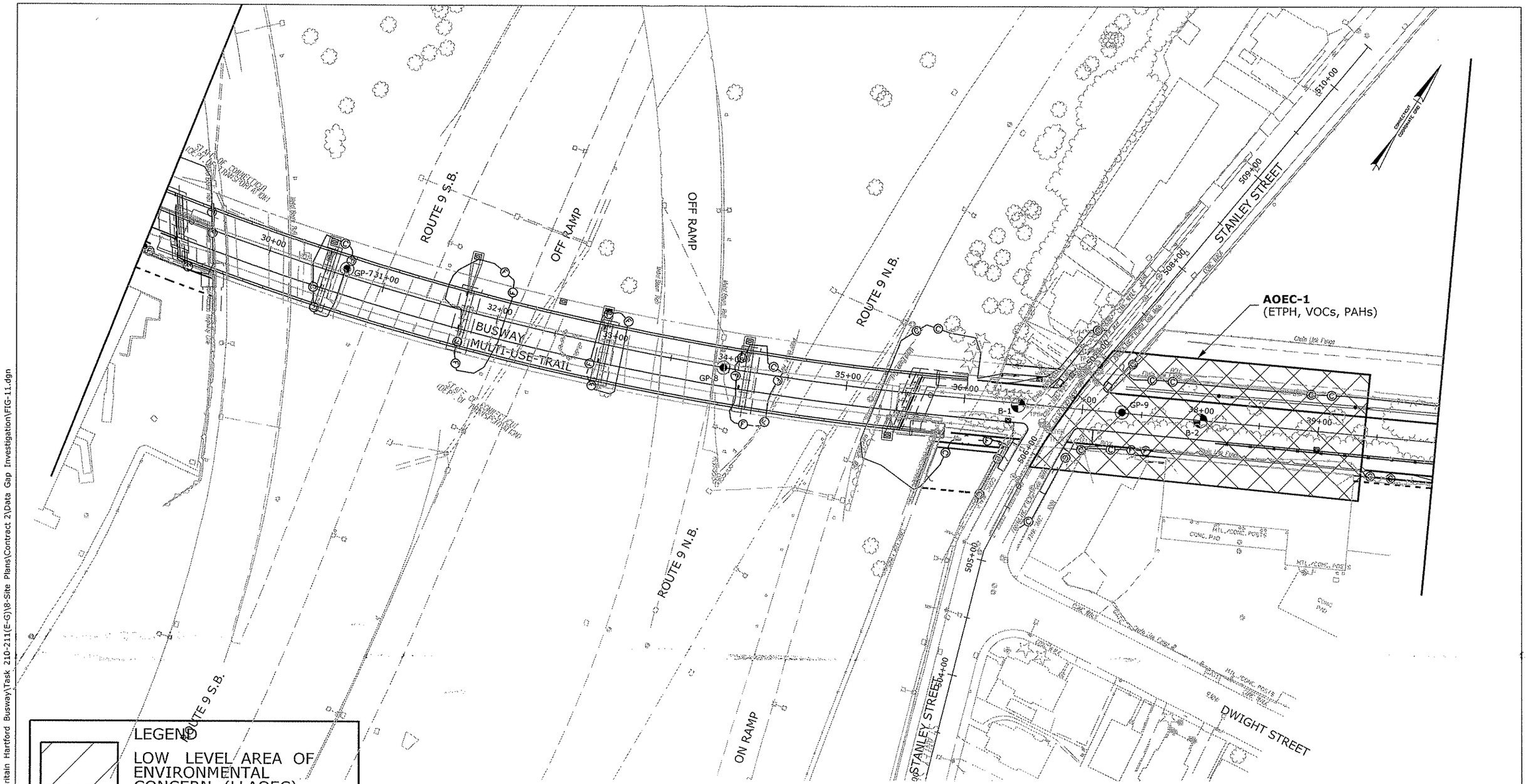
TASK 210
SOIL BORING AND MONITORING WELL LOCATIONS

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 10

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-10.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ..\FIG-11.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
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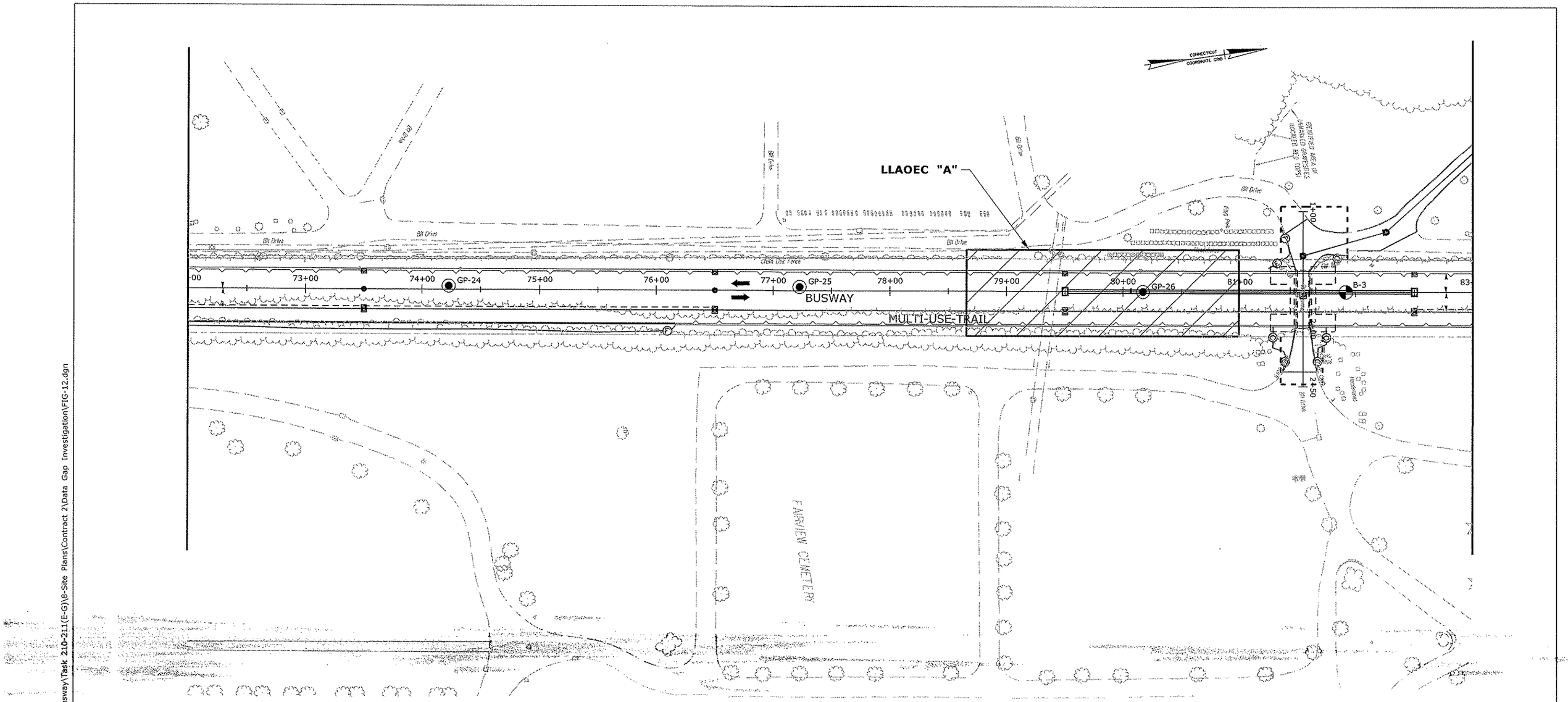
TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 11

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-11.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-12.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

dtc

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TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

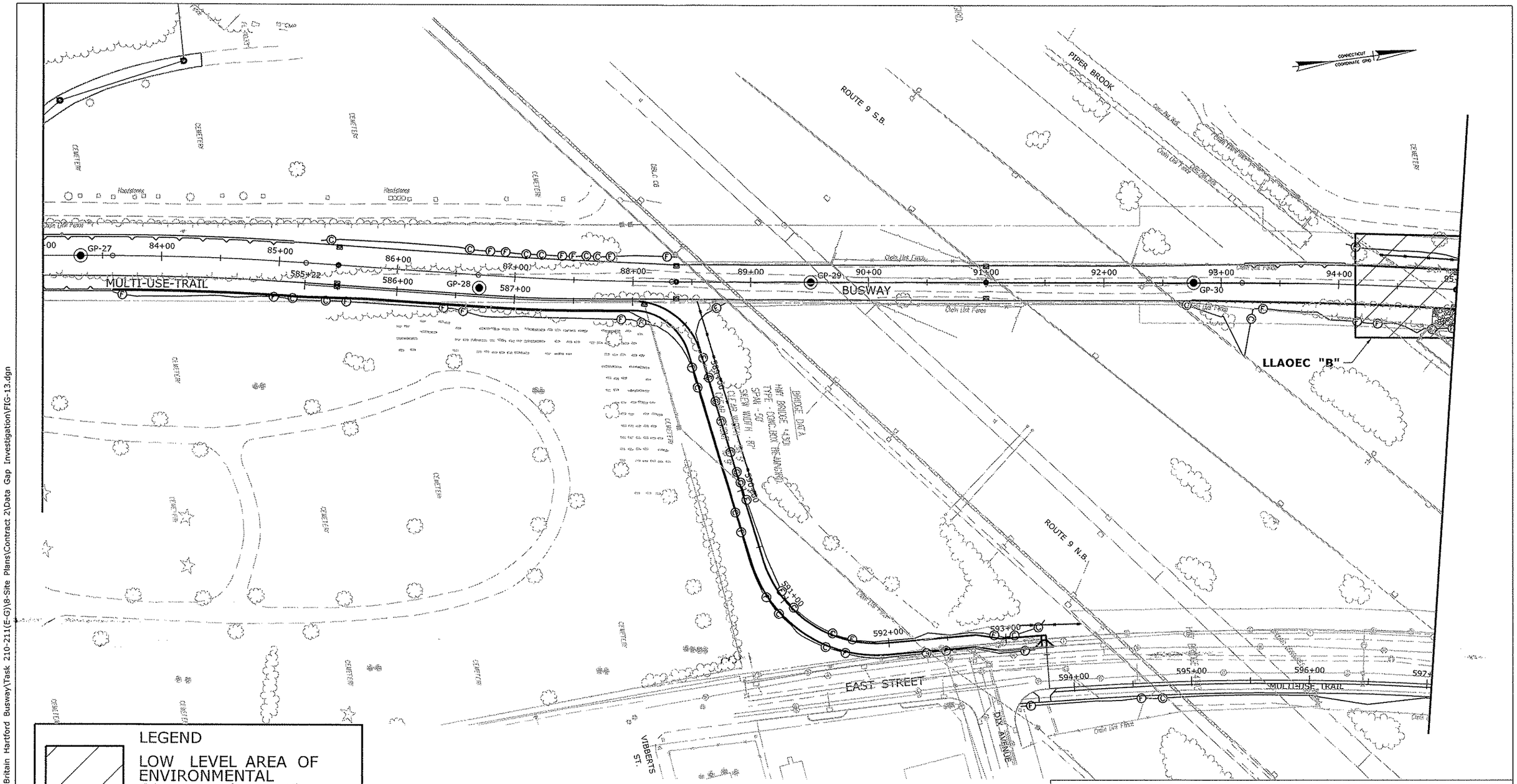
CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 12

P:\-Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-12.dgn

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-13.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-13.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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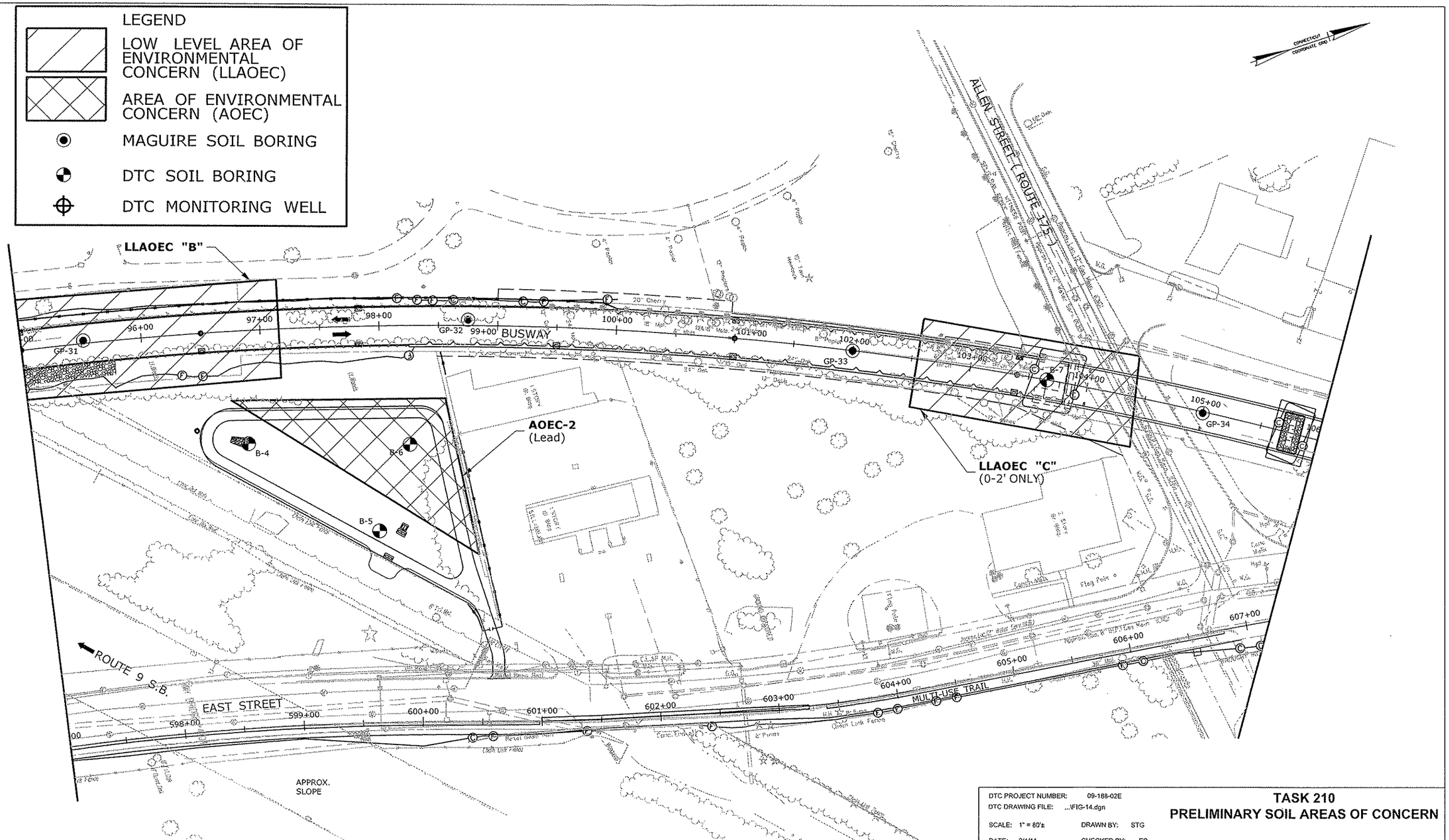
TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD
BUSWAY
NEW BRITAIN, CT

FIGURE 13



GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

NOTES:

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

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-14.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

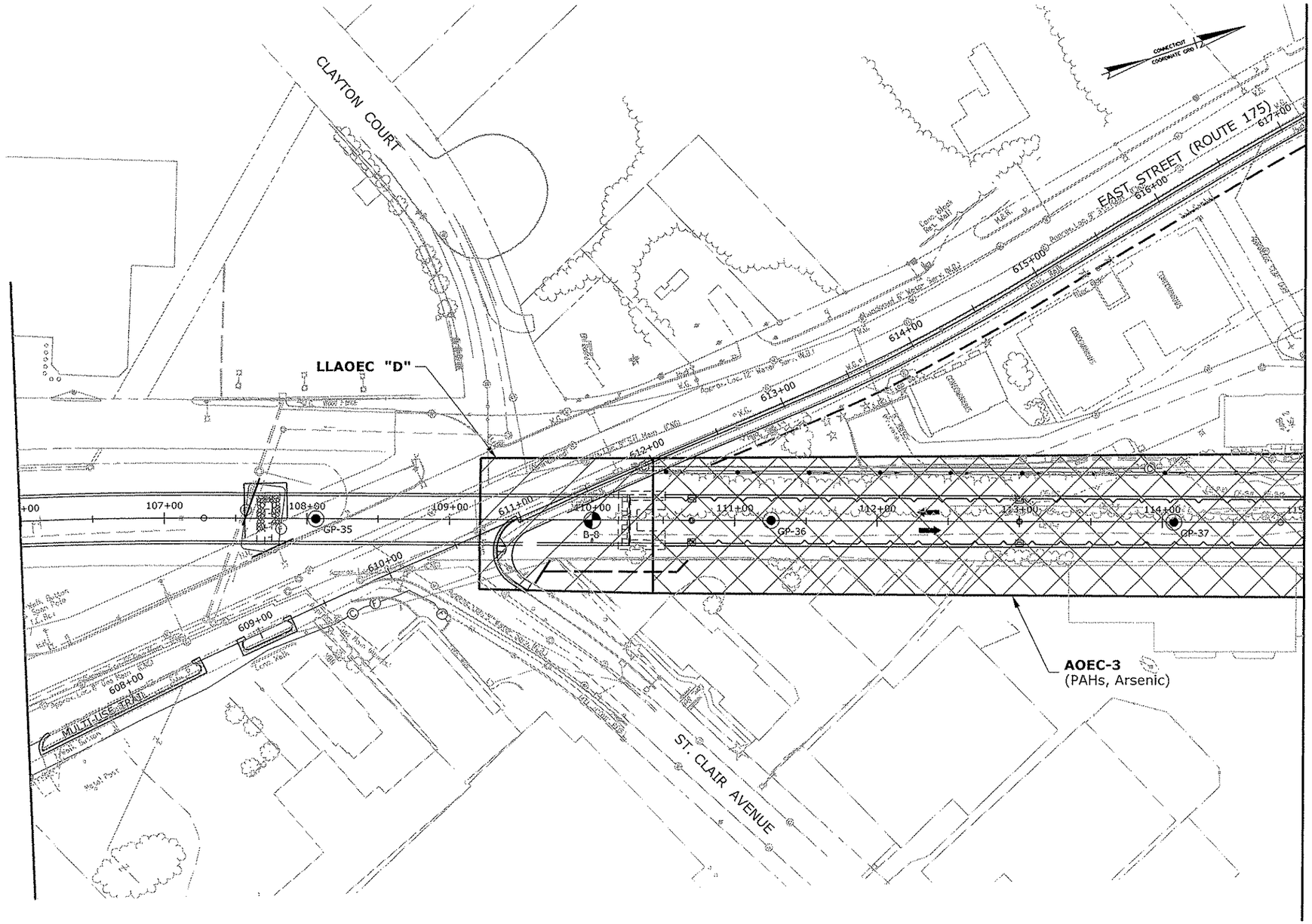
CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD
BUSWAY
NEW BRITAIN, CT

FIGURE 14

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-14.dgn

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-15.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-15.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 15

END CONTRACT NO. 88-H035
BEGIN CONTRACT NO. 88-H034
STA. 118+00

EAST STREET
(ROUTE 175)

BUSWAY

AOEC-3
(ETPH, PAHs, Arsenic)

GP-38

PRC

LESTER STREET

SAMOY BROOK LLC

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

LEGEND

LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC)

AREA OF ENVIRONMENTAL CONCERN (AOEC)

MAGUIRE SOIL BORING

DTC SOIL BORING

DTC MONITORING WELL

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ..\FIG-16.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

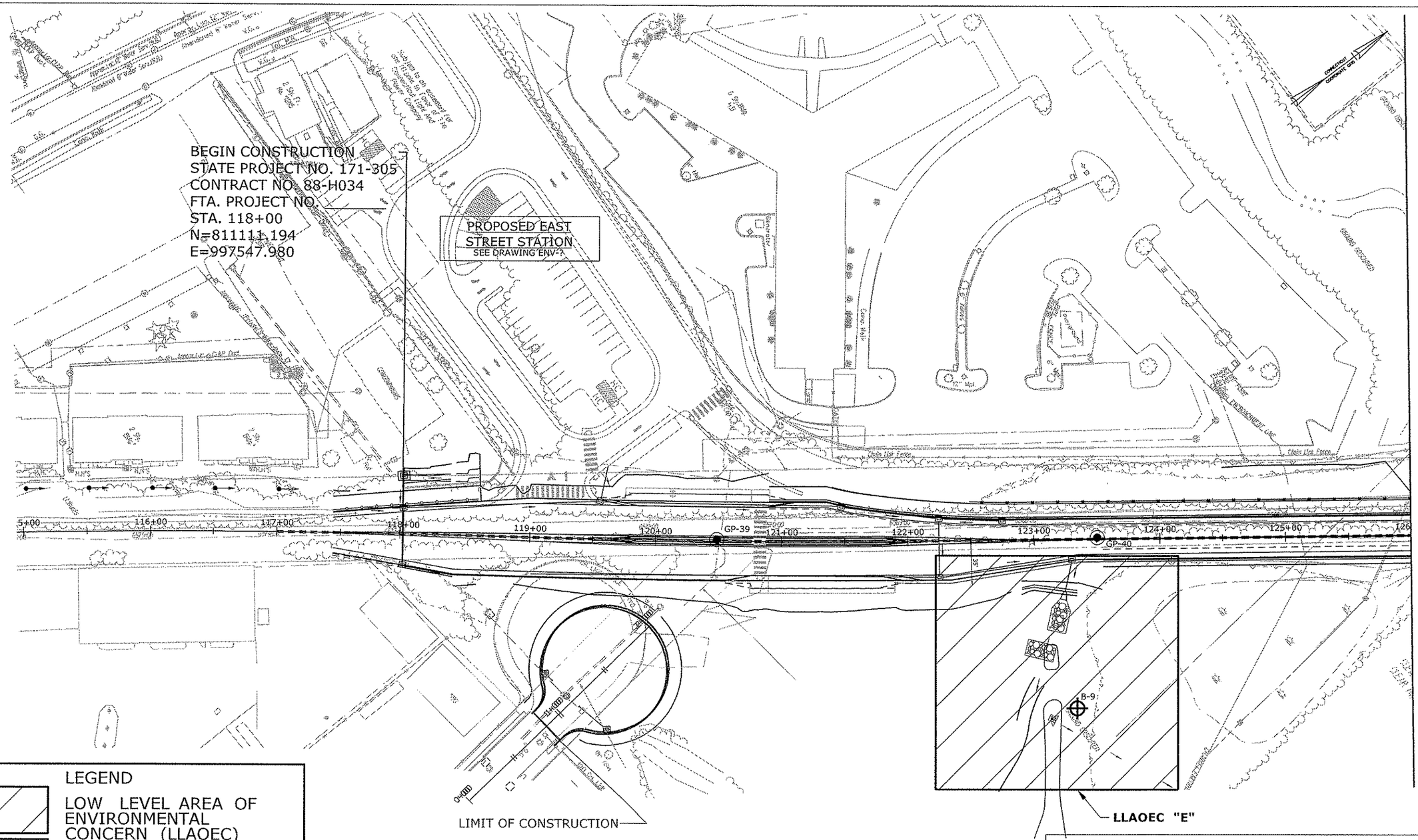
CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD
BUSWAY
NEW BRITAIN, CT

FIGURE 16

P:\-Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-16.dgn

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-17.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-17.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
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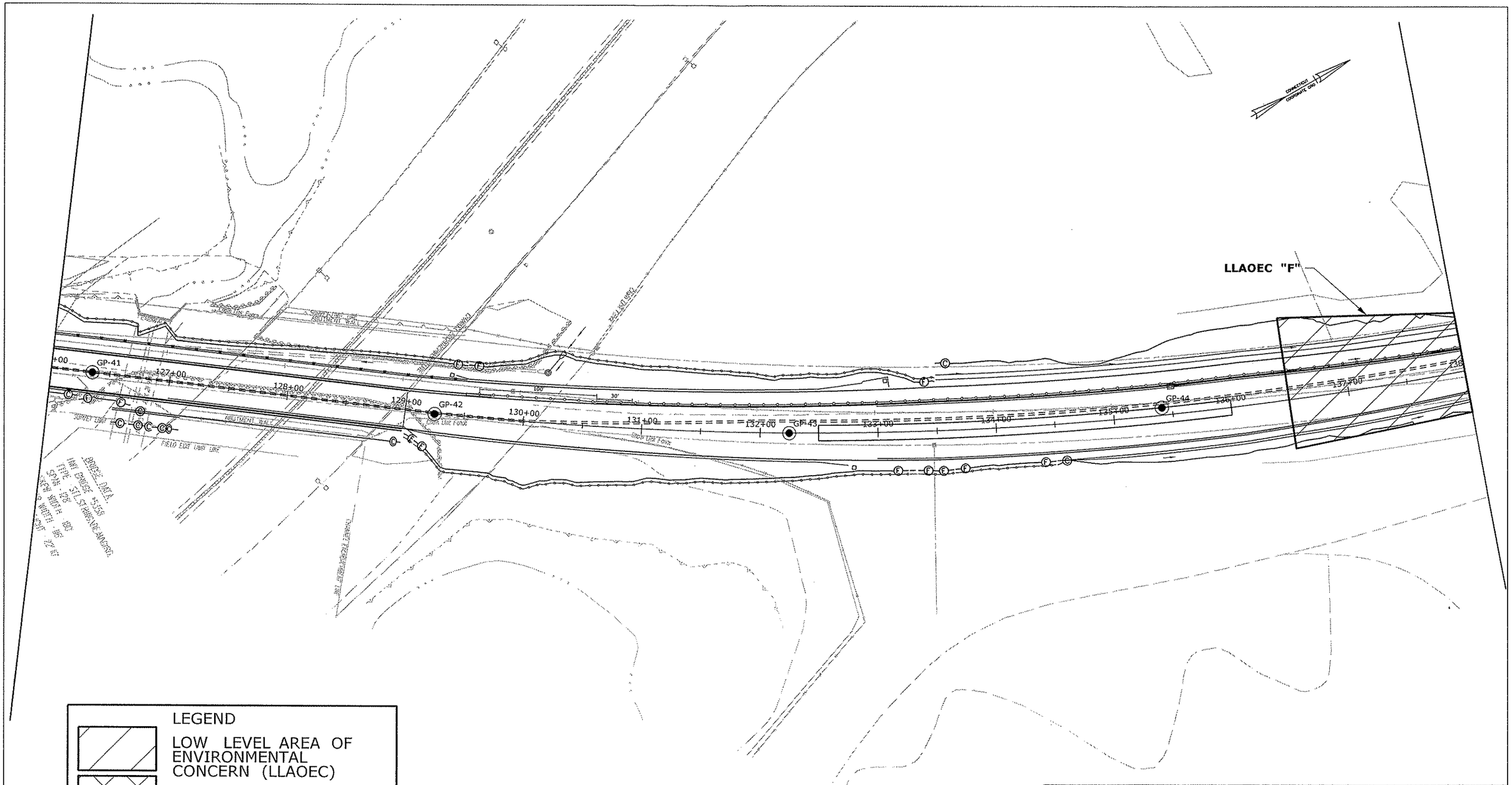
TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 17



LEGEND

LOW LEVEL AREA OF ENVIRONMENTAL CONCERN (LLAOEC)

AREA OF ENVIRONMENTAL CONCERN (AOEC)

MAGUIRE SOIL BORING

DTC SOIL BORING

DTC MONITORING WELL

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-18.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
CHECKED BY: ES

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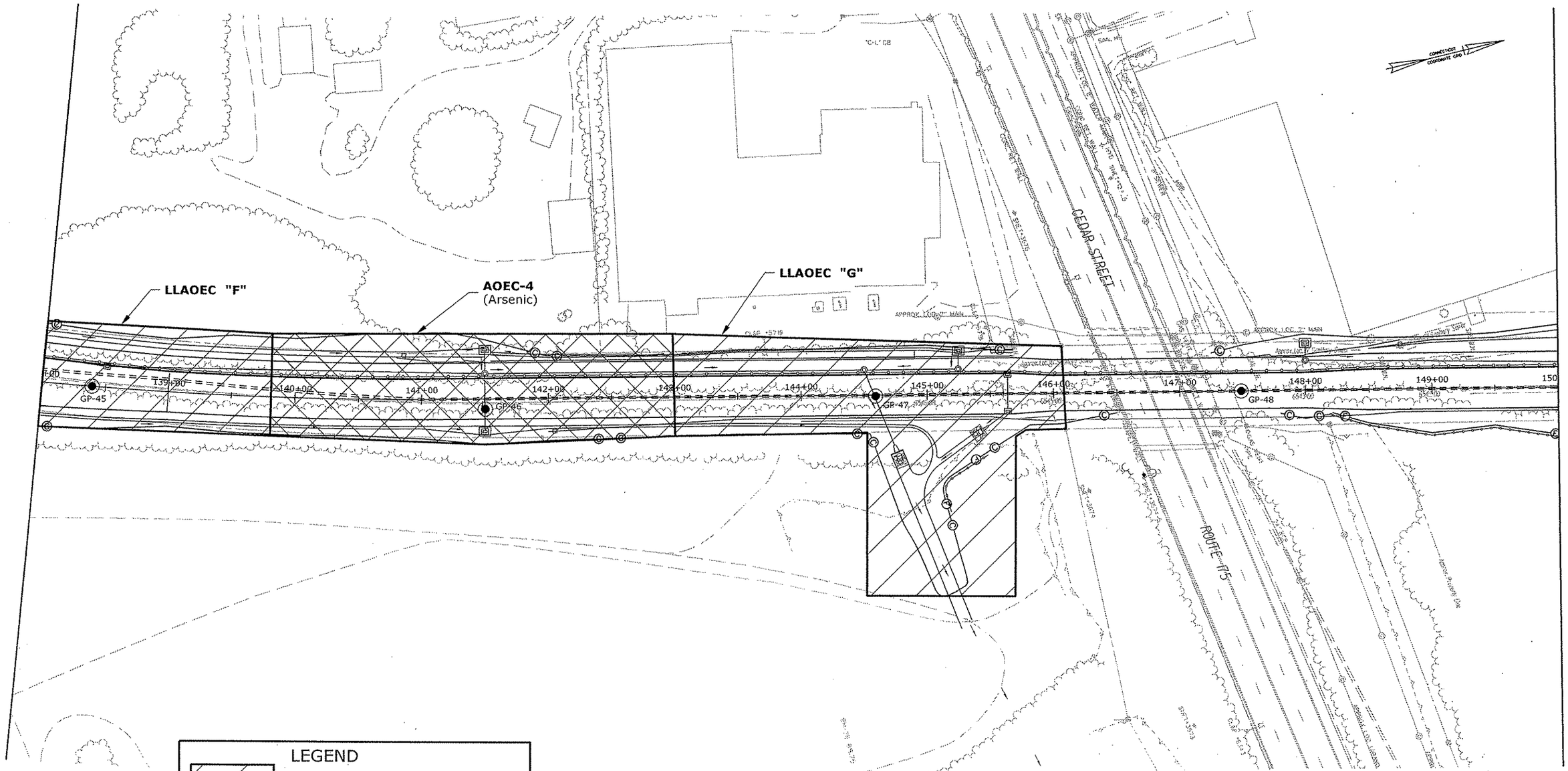
TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN, CT

FIGURE 18

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-18.dgn



LEGEND

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

NOTES:

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

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

DTC PROJECT NUMBER: 09-188-02E
DTC DRAWING FILE: ...\FIG-19.dgn
SCALE: 1" = 80'±
DRAWN BY: STG
DATE: 2/4/11
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TASK 210
PRELIMINARY SOIL AREAS OF CONCERN

CONTRACT 2 DATA GAP INVESTIGATION

NEW BRITAIN - HARTFORD
BUSWAY
NEW BRITAIN, CT

FIGURE 19

P:_Environmental\DOT 09188\02 New Britain Hartford Busway\Task 210-211(E-G)\8-Site Plans\Contract 2\Data Gap Investigation\FIG-19.dgn

TABLES

TABLE 1

Soil and Groundwater Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

New Britain to Hartford Busway – Contract 2 - Data Gap Investigation

New Britain, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260) Soil (624) GW	PAHs (8270) Soil (625) GW	ETPH or TPH 1664	Metals RCRA 5 (Soil) RCRA 8 (GW)	PCBs (8082) Soil (608) GW	Pesticides (8081) Soil (608) GW
B-1	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
B-2	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X*	X	X
	2-3.5				X			X
	4-6		X	X	X	X*	X	
B-3	1-3	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
	12-14		X	X	X	X		
B-4	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
B-5	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-6		X	X	X	X	X	
B-6	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	2-4		X	X	X	X*	X	
	4-5.5					X	X	
B-7	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	2-3							X
	4-6		X	X	X	X	X	
B-8	0-2	Soil, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-5		X	X	X	X	X	
B-9**	0-2.5	Soil and Groundwater, within Limits of proposed Contract 2 Busway construction activities	X	X	X	X	X	X
	4-6					X		X
	6-7		X	X	X		X	
	GW		X	X	X	X		X

Notes:

* Sample also analyzed by SPLP and/or TCLP.

**Groundwater sample location.

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation

New Britain to Hartford Busway - Contract 2 Data Gap Investigation

New Britain, Connecticut

Parameters	Remediation Standard Regulations				Sample #	B-1	B-1	B-2	B-2	B-2	B-3	B-3	B-3	B-4	B-4	B-5	Duplicate-1	B-5	B-6	B-6	B-6	B-7	B-7	B-7
					Depth	0-2'	4-6'	0-2'	2-3.5'	4-6'	1-3'	4-6'	12-14'	0-2'	4-6'	0-2'	B-5 (0-2')	4-6'	0-2'	2-4'	4-5.5'	0-2'	2-3'	4-6'
					Date	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/3/2010	12/3/2010	12/3/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010	12/2/2010
	RES DEC	I/C DEC	GA PMC	GB PMC		(GB)	(GB)	(GB)	(GB)	(GB)	(GB)	(GB)	(GB)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)	(GA)
VOCs per EPA 8260 (mg/kg)	Various	Various	Various	Various		--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	NA	--	NA	--
PAHs per EPA 8270 (mg/kg)									NA												NA		NA	
Benzo (b) fluoranthene	1	7.8	1	1		--	--	--		--	--	--	--	--	--	--	--	--	--	--		0.415		--
Chrysene	84	780	1	1		--	--	--		--	--	--	--	--	--	--	--	--	--	--		0.435		--
Fluoranthene	1,000	2,500	5.6	56		--	--	--		--	--	--	--	--	--	--	--	--	--	--		0.665		--
Pyrene	1,000	2,500	4	40		--	--	--		--	--	--	--	--	--	--	--	--	--	--		0.636		--
ETPH per CTDEP method (mg/kg)	500	2,500	500	2,500		--	--	580	--	62.5	--	--	--	--	--	--	--	--	52.2	380	--	68.1	NA	--
Total RCRA Metals per EPA 6010 & 7471 (mg/kg)									NA														NA	
Arsenic	10	10	NE	NE		2.7	3.87	32		4.86	3.52	3.11	3.71	8.22	4.61	6.3	23	6.86	3.62	3.83	NA	5.48		3.97
Cadmium	34	1,000	NE	NE		0.827	0.855	0.862		--	0.773	0.688	0.644	1.03	0.679	0.809	1.4	0.681	0.9	1.62	NA	0.728		0.758
Total Chromium	100	100	NE	NE		20.8	24	10.2		11.6	18.5	18.9	14.8	25.6	19.2	21.4	20.2	17.4	20.8	24.9	NA	15.6		22.4
Mercury	20	610	NE	NE		0.0514	--	0.121		0.125	--	--	--	--	--	--	--	--	--	0.0614	NA	0.036		--
Lead	500	1,000	NE	NE		20	15.6	131		159	17	13.4	11.6	17.3	12.4	14.3	21.2	11.2	19.7	372	11.3	26.4		14.4
SPLP Metals per EPA 6010 (mg/l)						NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Lead	NE	NE	0.015	0.15				--		--										**0.0601**				
TCLP Metals per EPA 6010 (mg/l)						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Lead	NE	NE	5*	5*																--				
PCBs per EPA 8082 (mg/kg)									NA				NA										NA	
PCB 1262	NE	NE	NE	NE		--	--	--		--	--	--		--	--	--	--	--	--	0.0235	--	--		--
Total PCBs	1	10	0.0005	0.005		--	--	--		--	--	--		--	--	--	--	--	--	0.0235	--	--		--
Chlorinated Pesticides per EPA 8081 (mg/kg)							NA			NA		NA	NA		NA			NA		NA	NA			NA
Chlordane	0.49	2.2	0.066	0.066		--		--	--		--			--		--	--		--			--	--	
Dieldrin	0.038	0.36	0.007	0.007		--		0.00297	--		--			--		--	--		--			--	--	
4,4' - DDE	1.8	17	NE	NE		--		0.00555	--		--			--		--	--		--			0.0178	--	
4,4' - DDT	1.8	17	NE	NE		--		0.0137	--		--			--		--	--		--			0.0122	--	
alpha-Chlordane	NE	NE	NE	NE		--		--	--		--			--		--	--		--			--	--	
gamma-Chlordane	NE	NE	NE	NE		--		--	--		--			--		--	--		--			--	--	
SPLP Chlorinated Pesticides per EPA 8081 (mg/l)						NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane	NE	NE	0.3	0.3				--																

Notes:

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

TABLE 2

Soil Sample Analytical Results
Task 210 - Subsurface Site Investigation
New Britain to Hartford Busway - Contract 2 Data Gap Investigation
New Britain, Connecticut .

Parameters	Remediation Standard Regulations				Sample #	B-8	B-8	B-9	B-9	B-9	Trip
						0-2'	4-5'	0-2.5'	4-6'	6-7'	Blank
	RES DEC	I/C DEC	GA PMC	GB PMC		12/2/2010 (GA)	12/2/2010 (GA)	12/2/2010 (GA)	12/2/2010 (GA)	12/2/2010 (GA)	12/2/10
VOCs per EPA 8260 (mg/kg)	Various	Various	Various	Various		--	--	--	*NA*	--	--
PAHs per EPA 8270 (mg/kg)									*NA*		*NA*
Benzo (b) fluoranthene	1	7.8	1	1		--	--	--		--	
Chrysene	84	780	1	1		--	--	--		--	
Fluoranthene	1,000	2,500	5.6	56		--	--	--		--	
Pyrene	1,000	2,500	4	40		--	--	--		--	
ETPH per CTDEP method (mg/kg)	500	2,500	500	2,500		64.7	67.4	42.5	*NA*	--	*NA*
Total RCRA Metals per EPA 6010 & 7471 (mg/kg)									*NA*		*NA*
Arsenic	10	10	NE	NE		2.66	--	2.63		3.05	
Cadmium	34	1,000	NE	NE		0.663	--	--		0.736	
Total Chromium	100	100	NE	NE		14	12.4	7.2		20.1	
Mercury	20	610	NE	NE		--	--	0.964		--	
Lead	500	1,000	NE	NE		22.1	6.63	30.2		12.8	
SPLP Metals per EPA 6010 (mg/l)						*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Lead	*NE*	*NE*	0.015	0.15							
TCLP Metals per EPA 6010 (mg/l)						*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Lead	*NE*	*NE*	5*	5*							
PCBs per EPA 8082 (mg/kg)									*NA*		*NA*
PCB 1262	NE	NE	NE	NE		--	--	--		--	
Total PCBs	1	10	0.0005	0.005		--	--	--		--	
Chlorinated Pesticides per EPA 8081 (mg/kg)							*NA*			*NA*	*NA*
Chlordane	0.49	2.2	0.066	0.066		--		0.0982	--		
Dieldrin	0.038	0.36	0.007	0.007		--		--	--		
4,4' - DDE	1.8	17	NE	NE		--		--	--		
4,4' - DDT	1.8	17	NE	NE		--		--	--		
alpha-Chlordane	NE	NE	NE	NE		--		0.0114	--		
gamma-Chlordane	NE	NE	NE	NE		--		0.0118	--		
SPLP Chlorinated Pesticides per EPA 8081 (mg/l)						*NA*	*NA*		*NA*	*NA*	*NA*
Chlordane	NE	NE	0.3	0.3				--			

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

TABLE 3

Groundwater Sample Analytical Results

Task 210 - Subsurface Site Investigation

New Britain to Hartford Busway - Contract 2 Data Gap Investigation

New Britain, Connecticut

Parameters	SW Discharge MCL	B-9/GW 12/10/10	Duplicate-2 (B-9/GW) 12/10/10	Field Blank 12/10/10	Trip Blank 12/10/10
Total VOCs per EPA 624 (ug/l)					
Total VOCs	50	--	--	--	--
Total PAHs per EPA 625 (ug/l)			*NA*	*NA*	*NA*
Total PAHs	5	--			
TPH per EPA 1664 (mg/l)	5	--	--	--	*NA*
Total Metals per EPA 200.7 (ug/l)					*NA*
Arsenic	0.021	**7**	**7.4**	--	
Barium	NE	200	260	--	
Cadmium	10	--	--	--	
Chromium	342	17	23.4	--	
Copper	48	44.8	**71.2**	--	
Mercury	1	--	--	--	
Lead	9.8	**18.8**	**27**	--	
Zinc	322	87.2	143	64.7	
Dissolved Metals per EPA 200.7 (ug/l)				*NA*	*NA*
Arsenic	0.021	--	--		
Barium	NE	297	194		
Cadmium	10	--	--		
Chromium	342	--	--		
Copper	48	--	--		
Mercury	1	--	--		
Lead	9.8	--	--		
Zinc	322	277	46.4		
Total Pesticides per EPA 608 (ug/l)	Various	--	*NA*	*NA*	*NA*

Notes:

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

VOCs = Volatile Organic Compounds.

PAHs = Polynuclear Aromatic Hydrocarbons

TPH = Total Petroleum Hydrocarbons.

PCBs = Polychlorinated Biphenyls.

ug/l = micrograms per liter.

mg/l = milligrams per liter.

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

NA = not analyzed for this parameter.

NE = no criteria established.

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

APPENDIX A

Soil Boring, Groundwater Sampling, and Monitoring Well Construction Logs

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/2/10
Date Completed: 12/2/10

BORING No. B-1

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT

Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.9			24	Asphalt subbase, black C-M SAND and GRAVEL		Groundwater not observed
	1	0.9-2				Dark brown C-M SAND, trace silt	0.0	
4-8	2	4-5.3			32	Dark brown M-F SAND, with silt	0.0	
		5.3-5.8				Brown F-M SAND, trace silt		
		5.8-6				Brown M-F SAND, rock		
		6-6.8				Brown F-M SAND, trace silt, some weathered bedrock		
8-12	3	8-10.9			48	Red brown F-M SAND	0.0	
	4	10.9-12				Red brown F-M SAND, some silt, with weathered bedrock (refusal @ 12')	0.0	
						END OF BORING @ 12'		

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

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 12/2/10 ***Date Completed:*** 12/2/10
	Project: New Britain to Hartford Busway - Contract 2 Data Gap ***Location:*** New Britain, CT		**BORING No. B-2**
			Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.7			42	Topsoil, organic matter		
	1	0.7-1.9				Brown-black C-M SAND with gravel, asphalt pieces, FILL	0.0	
		1.9-2.5				Red brown M-F SAND with gravel, FILL		
	2	2.5-3.6				Light brown F SAND with gravel, asphalt, slag, concrete, FILL	2.4	
4-8	3	4-5.9			36	Brown C-M SAND with gravel, asphalt, concrete, FILL	1.7	
		5.9-6.2				Red-brown C-M SAND, little silt, wood, asphalt, FILL		
	4	6.2-7				Red brown M-F SAND and SILT	0.1	
8-12	5	8-9.5			24	Red brown M-F SAND and SILT, damp	0.0	Groundwater @ 9.5'
		9.5-10				Red brown silty CLAY		
12-16	6	12-14			36	Red brown silty CLAY, damp	0.0	
	7	14-15				Red brown silty CLAY, damp	0.0	
						END OF BORING @ 15'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet	Date started: 12/3/10	BORING No. B-3
1 of 1	Date Completed: 12/3/10	

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT
Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-1.2			36	Black C SAND with gravel, asphalt pieces, rock		
	1	1.2-1.8				Light brown F-M SAND	1.2	
		1.8-3				Red brown M SAND, trace silt		
4-8	2	4-7.1			48	Red brown M-F SAND, trace silt	0.0	
	3	7.1-8				Red brown M-F SAND and SILT	0.0	
8-12	4	8-11			48	Red brown M-F SAND, some silt	0.0	
		11-11.3				Light brown F SAND		
	5	11.3-12				Red brown M SAND, with silt	0.0	
12-16	6	12-15.3			48	Red brown M-F SAND and SILT, trace clay	0.1	
	7	15.3-16				Red brown M SAND and SILT, with clay	0.0	
						END OF BORING @ 16'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet	Date started: 12/2/10	BORING No. B-4
1 of 1	Date Completed: 12/2/10	

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT
Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-10"			24	Brown to red-brown M-F SAND with silt, cobbles		
	1	10"-2				Red-brown M-F SAND and SILT, cobbles	0.2	
4-8		4-4.7			24	Red-brown M-F SAND and SILT, cobbles		Groundwater not observed
	2	4.7-5.5				Red-brown C-M SAND, trace silt, cobbles	0.1	
		5.5-6				Red-brown M SAND, little silt, cobbles (refusal @ 6')		
						END OF BORING @ 6'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/2/10
Date Completed: 12/2/10

BORING No. B-5

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT

Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-10"			36	Red-brown M-F SAND with silt, cobbles		Groundwater not observed
		10"-1				Rock and cobbles		
	1	1-1.8				Red-brown M SAND, little silt, cobbles	0.2	
	2	1.8-3				Red-brown M SAND and SILT, cobbles	0.0	
4-8		4-4.9			24	Red-brown M SAND, cobbles		
	3	4.9-6				Red-brown F-M SAND and GRAVEL, cobbles (refusal @ 6')	0.0	
						END OF BORING @ 6'		

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

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 12/2/10 ***Date Completed:*** 12/2/10	**BORING No. B-6**
	Project: New Britain to Hartford Busway - Contract 2 Data Gap ***Location:*** New Britain, CT			***Method of investigation:*** Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-3"			48	Topsoil, organic matter		
	1	3"-2.3				Red-brown C-M SAND and GRAVEL, little silt, cobbles	0.1	
	2	2.3-4				Red-brown C-M SAND, cobbles	0.0	
4-8	3	4-5.5			18	Red-brown C-M SAND and GRAVEL, cobbles (refusal @ 5.5')	0.0	Groundwater not observed
						END OF BORING @ 5.5'		

Sample Types:

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

R= Rock Core: _____ O = Other: _____

N = ASTM D1586

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/2/10
Date Completed: 12/2/10

BORING No. B-7

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT

Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-0.7			36	Topsoil, organic matter		Groundwater not observed
	1	0.7-1.5				Dark-brown to black C-M SAND, trace silt	4.7	
	2	1.5-2.5				Red-brown M SAND, trace silt	2.9	
		2.5-3				Red-brown M SAND and SILT		
4-8		4-4.9			48	Red-brown M-F SAND and SILT, damp		
	3	4.9-7.5				Red-brown M SAND, some silt	0.3	
	4	7.5-8				Red-brown clayey SILT	0.0	
8-12					0	No recovery, refusal @ 8.5		
						END OF BORING @ 8.5'		

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

Comments:

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 12/2/10
Date Completed: 12/2/10

BORING No. B-8

Project: New Britain to Hartford Busway - Contract 2 Data Gap
Location: New Britain, CT

Method of investigation: Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-4"			24	Topsoil, organic matter	0.0	Groundwater not observed
	1	4"-1.6				Brown M-F SAND, some silt		
		1.6-1.8				Rock		
		1.8-2				Dark-brown M SAND, asphalt pieces		
4-8		4-4.9			11	Brown to black M-F SAND and SILT, damp, cobbles (refusal @ 5')	0.0	
						END OF BORING @ 5'		

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

Comments:

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER DIVERSIFIED TECHNOLOGY CONSULTANTS	**Subsurface Log**	**Sheet** 1 of 1	***Date started:*** 12/2/10 ***Date Completed:*** 12/2/10	**BORING No. B-9**
	Project: New Britain to Hartford Busway - Contract 2 Data Gap ***Location:*** New Britain, CT			***Method of investigation:*** Geoprobe

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

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-4		0-2"				Topsoil, organic		
		2"-5"				Rock, cobbles		
	1	5"-1.2			30	Light brown F SAND with gravel, some asphalt	1.2	
		1.2-2.2				Brown F SAND with gravel		
		2.2-2.5				Dark brown F-M SAND, some gravel		
4-8	2	4-5				Dark-brown F-M SAND, some gravel and asphalt	2.4	
		5-6.2			36	Red-brown M-F SAND with silt, moist		
	3	6.2-6.5				Dark-brown C-M SAND	0.1	
		6.5-7				Red-brown clayey SILT		
8-12	4	8-10.5				Red-brown clayey SILT, wet	0.0	**Groundwater @ 8'**
		10.5-10.9			48	Red-brown M-F SAND and SILT, trace clay		
	5	10.9-12				Red-brown silty CLAY	0.0	
12-16	6	12-13.5				Red-brown silty CLAY, wet (refusal @ 13.5')	0.0	
					18			
						END OF BORING @ 13.5'		

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

Comments:
Well installed at a depth of 13.5'. 10' of screen, screw cap, flush mount (see attached well diagram)

GROUNDWATER SAMPLING LOG

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER

WELL / SAMPLE NO.: B9/6W
Sampling Sequence: 1

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

SITE NAME: New Britain to Hartford Busway
ADDRESS: Contract 2 – Data Gap
New Britain, CT

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

WELL LOCATION:

WELL CONDITION

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

ELEVATION DATA

(Total Depth: 14.8 ft) – (Depth to Water: 13.71 ft) = (Height:_____ ft)
(Height:_____ ft) X (Well Dia Ftr:_____ gal/ft) = (Well Volume:_____ gal)
(Well Volume:_____ gal) X (1 2 3) =_____ gallons to be purged

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

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

Comments:
modified low-flow
Dup-2 taken

SAMPLE DATA

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

BOTTLES / ANALYTICAL PARAMETERS:

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

GROUNDWATER MONITORING

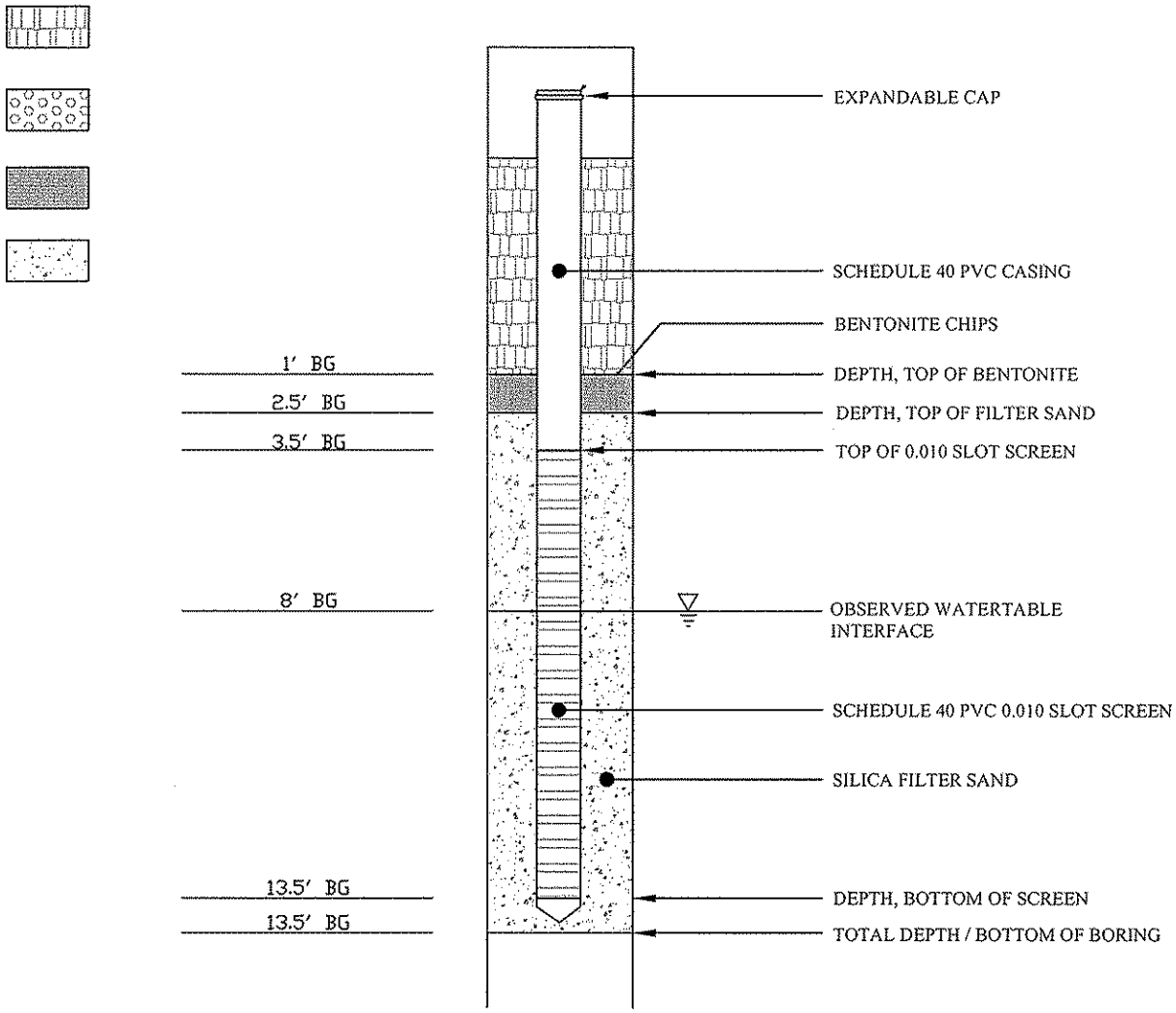
Time	Volume	Temp.	pH	Specific Conductance	Turbidity	Dissolved Oxygen	ORP	
1015	Initial				23.9			
1020	1st				21.7			
1025	2nd				20.2			
	3rd							
	4th							
	5th							
	6th							
	7th							
	8th							

ADDITIONAL COMMENTS:

Sample Time: 1025

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

MONITORING WELL COMPLETION DIAGRAM	SHEET: 1 OF 1	DATE COMPLETED: 12-2-10	WELL I.D.: B-9
	DRILLING COMPANY: LOGICAL ENV. SOLUTIONS INC.	DRILLER: WAYNE HELPER: CINDY	DRILL RIG: GEOPROBE
	DTC GEOLOGIST: JMA	PROJECT MANAGER: ES	METHOD OF INVESTIGATION: GEOPROBE
BACKFILL WELL KEY: NATIVE BACKFILL, GROUT, BENTONITE, FILTER SAND			WEATHER: 40's



NOT TO SCALE

CONSTRUCTION NOTES:

1-INCH DIAMETER WELL, 10' OF SCREEN

New Britain to Hartford Busway
Contract 2 Data Gap
New Britain, Connecticut

DRAWN BY: JA
DATE: 12-27-10

DTC No.: 09-188-02E
DWG. FILE: B-9.DWG

APPENDIX B

Soil & Groundwater Analytical Laboratory Reports

Report Date:
28-Dec-10 17:24

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: NBHB - Contract 2 - New Britain, CT
Project #: 09-188-02E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB21972-01	B-1 0-2'	Soil	02-Dec-10 07:10	06-Dec-10 16:30
SB21972-02	B-1 4-6'	Soil	02-Dec-10 07:15	06-Dec-10 16:30
SB21972-04	B-2 0-2'	Soil	02-Dec-10 08:05	06-Dec-10 16:30
SB21972-05	B-2 2-3.5'	Soil	02-Dec-10 08:10	06-Dec-10 16:30
SB21972-06	B-2 4-6'	Soil	02-Dec-10 08:20	06-Dec-10 16:30
SB21972-08	B-3 1-3'	Soil	03-Dec-10 07:05	06-Dec-10 16:30
SB21972-09	B-3 4-6'	Soil	03-Dec-10 07:10	06-Dec-10 16:30
SB21972-12	B-3 12-14'	Soil	03-Dec-10 07:25	06-Dec-10 16:30
SB21972-14	B-4 0-2'	Soil	02-Dec-10 09:10	06-Dec-10 16:30
SB21972-15	B-4 4-6'	Soil	02-Dec-10 09:20	06-Dec-10 16:30
SB21972-16	B-5 0-2'	Soil	02-Dec-10 09:40	06-Dec-10 16:30
SB21972-18	B-5 4-6'	Soil	02-Dec-10 09:50	06-Dec-10 16:30
SB21972-19	B-6 0-2'	Soil	02-Dec-10 10:05	06-Dec-10 16:30
SB21972-20	B-6 2-4'	Soil	02-Dec-10 10:10	06-Dec-10 16:30
SB21972-21	B-6 4-5.5'	Soil	02-Dec-10 10:15	06-Dec-10 16:30
SB21972-22	B-7 0-2'	Soil	02-Dec-10 11:30	06-Dec-10 16:30
SB21972-23	B-7 2-3'	Soil	02-Dec-10 11:35	06-Dec-10 16:30
SB21972-24	B-7 4-6'	Soil	02-Dec-10 11:45	06-Dec-10 16:30
SB21972-26	B-8 0-2'	Soil	02-Dec-10 12:45	06-Dec-10 16:30
SB21972-27	B-8 4-5'	Soil	02-Dec-10 12:50	06-Dec-10 16:30
SB21972-28	B-9 0-2.5'	Soil	02-Dec-10 13:40	06-Dec-10 16:30
SB21972-29	B-9 4-6'	Soil	02-Dec-10 13:45	06-Dec-10 16:30
SB21972-30	B-9 6-7'	Soil	02-Dec-10 13:50	06-Dec-10 16:30
SB21972-32	Duplicate-1	Soil	02-Dec-10 00:00	06-Dec-10 16:30
SB21972-33	Trip Blank	Trip Blank	02-Dec-10 00:00	06-Dec-10 16:30

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

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

Authorized by:

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

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 161 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.3 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.8 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

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

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 12/6/2010 at 16:30.

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

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

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

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

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

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

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

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

SW846 1312 SPLP and 1311 TCLP Case Narrative:

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

SB21972-04 SPLP: the final weight used for this sample was 10 grams.
SB21972-20 SPLP: the final weight used for this sample was 25 grams.
TCLP: the final weight used for this sample was 45 grams.
SB21972-22 SPLP: the final weight used for this sample was 50 grams.
SB21972-28 SPLP: the final weight used for this sample was 40 grams.

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

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

+CT ETPH

Spikes:

1025342-MS1 *Source: SB21972-28*

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

C9-C36 Aliphatic Hydrocarbons

1025342-MSD1 *Source: SB21972-28*

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

C9-C36 Aliphatic Hydrocarbons

Samples:

SB21972-04 *B-2 0-2'*

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

SB21972-05 *B-2 2-3.5'*

This sample was analyzed outside the EPA recommended holding time per client request.

SB21972-20 *B-6 2-4'*

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

SB21972-21 *B-6 4-5.5'*

This sample was analyzed outside the EPA recommended holding time per client request.

SW846 1312

Samples:

SB21972-04 *B-2 0-2'*

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

SPLP Extraction

SB21972-22 *B-7 0-2'*

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

SPLP Extraction

SB21972-28 *B-9 0-2.5'*

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

SPLP Extraction

SW846 1312/6010C

Samples:

SB21972-20 *B-6 2-4'*

Data confirmed with duplicate analysis.

Lead

SW846 7471B

SW846 7471B

Duplicates:

1025534-DUP1 *Source: SB21972-22*

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

Mercury

SW846 8081B

Spikes:

1025338-MSD1 *Source: SB21972-26*

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.

Endrin ketone

Duplicates:

1025338-DUP1 *Source: SB21972-04*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

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

Samples:

S011025-CCV1

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

4,4'-DDD (p,p') [2C] (-18.6%)
4,4'-DDE (p,p') [2C] (-15.1%)
4,4'-DDT (p,p') [2C] (-25.9%)
Alachlor [2C] (-19.4%)
alpha-Chlordane [2C] (-17.4%)
Dieldrin [2C] (-16.0%)
Endosulfan I [2C] (-15.2%)
Endosulfan II [2C] (-22.5%)
Endosulfan sulfate [2C] (-33.5%)
Endrin [2C] (-24.6%)
Endrin aldehyde [2C] (-20.8%)
Endrin ketone [2C] (-19.7%)
gamma-Chlordane [2C] (-17.5%)
Heptachlor [2C] (-20.9%)
Heptachlor epoxide [2C] (-15.1%)
Methoxychlor [2C] (-30.1%)

This affected the following samples:

1025338-DUP1

S011025-CCV2

SW846 8081B

Samples:

S011025-CCV2

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

4,4'-DDT (p,p') [2C] (-25.5%)
Alachlor [2C] (-19.7%)
Aldrin (16.6%)
alpha-Chlordane (15.4%)
Endosulfan II [2C] (-19.9%)
Endosulfan sulfate [2C] (-30.7%)
Endrin [2C] (-19.2%)
Endrin aldehyde [2C] (-19.2%)
Endrin ketone [2C] (-17.0%)
gamma-Chlordane (15.4%)
Methoxychlor [2C] (-34.7%)

This affected the following samples:

1025338-DUP1
B-6 0-2'
Duplicate-1

SB21972-05 *B-2 2-3.5'*

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

SB21972-23 *B-7 2-3'*

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

SB21972-29 *B-9 4-6'*

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

SW846 8082A

Samples:

SB21972-18 *B-5 4-6'*

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

4,4-DB-Octafluorobiphenyl (Sr)

SB21972-21 *B-6 4-5.5'*

This sample was analyzed outside the EPA recommended holding time per client request.

SW846 8260B/C

Calibration:

1011010

Analyte quantified by quadratic equation type calibration.

Acetone
Naphthalene

SW846 8260B/C

Calibration:

1011010

This affected the following samples:

1025373-BLK1
1025373-BS1
1025373-BSD1
1025449-BLK1
1025449-BS1
1025449-BSD1
1025455-BLK1
1025455-BS1
1025455-BSD1
B-1 0-2'
B-1 4-6'
B-2 0-2'
B-2 4-6'
B-3 12-14'
B-3 1-3'
B-3 4-6'
B-4 0-2'
B-4 4-6'
B-5 0-2'
B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'
B-9 0-2.5'
B-9 6-7'
Duplicate-1
S010101-ICV1
S010936-CCV1
S010947-CCV1
S011002-CCV1
Trip Blank

Laboratory Control Samples:

1025373 BS/BSD

SW846 8260B/C

Laboratory Control Samples:

1025373 BS/BSD

4-Methyl-2-pentanone (MIBK) percent recoveries (143/152) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

B-1 0-2'
B-1 4-6'
B-2 4-6'
B-3 12-14'
B-3 1-3'
B-3 4-6'
B-4 0-2'
B-4 4-6'
B-5 0-2'
B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'

Acetone percent recoveries (164/153) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

B-1 0-2'
B-1 4-6'
B-2 4-6'
B-3 12-14'
B-3 1-3'
B-3 4-6'
B-4 0-2'
B-4 4-6'
B-5 0-2'
B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'

SW846 8260B/C

Laboratory Control Samples:

1025373 BS/BSD

Chloromethane percent recoveries (69/78) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

B-1 0-2'
B-1 4-6'
B-2 4-6'
B-3 12-14'
B-3 1-3'
B-3 4-6'
B-4 0-2'
B-4 4-6'
B-5 0-2'
B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'

1025373 BSD

1,2-Dibromoethane (EDB) RPD 34% (25%) is outside individual acceptance criteria, but within overall method allowances.

1025449 BS/BSD

2-Butanone (MEK) percent recoveries (133/120) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

B-2 0-2'
B-9 0-2.5'
B-9 6-7'

Acetone percent recoveries (172/150) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

B-2 0-2'
B-9 0-2.5'
B-9 6-7'

1025455 BS/BSD

Acetone percent recoveries (69/108) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Duplicate-1
Trip Blank

Chloromethane percent recoveries (69/77) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Duplicate-1
Trip Blank

Tetrahydrofuran percent recoveries (69/90) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Duplicate-1
Trip Blank

1025455 BSD

SW846 8260B/C

Laboratory Control Samples:

1025455 BSD

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

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

1025455-BSD1

RPD out of acceptance range.

Tetrahydrofuran

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

Samples:

S010936-CCV1

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

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

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

Acetone (49.8%)

This affected the following samples:

1025449-BLK1
1025449-BS1
1025449-BSD1
B-2 0-2'
B-9 0-2.5'
B-9 6-7'

S010947-CCV1

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

1,2-Dibromoethane (EDB) (30.4%)
1,2-Dichloropropane (-20.9%)
4-Methyl-2-pentanone (MIBK) (51.7%)
Chloromethane (-21.5%)
Di-isopropyl ether (-23.5%)

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

Acetone (52.8%)

SW846 8260B/C

Samples:

S010947-CCV1

This affected the following samples:

1025373-BLK1
1025373-BS1
1025373-BSD1
B-1 0-2'
B-1 4-6'
B-2 4-6'
B-3 12-14'
B-3 1-3'
B-3 4-6'
B-4 0-2'
B-4 4-6'
B-5 0-2'
B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'

S011002-CCV1

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

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

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

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

This affected the following samples:

1025455-BLK1
1025455-BS1
1025455-BSD1
Duplicate-1
Trip Blank

SB21972-01 *B-1 0-2'*

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

1,2-Dichloroethane-d4

SB21972-04 *B-2 0-2'*

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

1,2-Dichloroethane-d4

SB21972-06 *B-2 4-6'*

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

1,2-Dichloroethane-d4

SW846 8260B/C

Samples:

SB21972-16 *B-5 0-2'*

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

1,2-Dichloroethane-d4

SB21972-18 *B-5 4-6'*

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

1,2-Dichloroethane-d4

SB21972-19 *B-6 0-2'*

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

1,2-Dichloroethane-d4

SB21972-20 *B-6 2-4'*

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

1,2-Dichloroethane-d4

SB21972-22 *B-7 0-2'*

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

1,2-Dichloroethane-d4

SB21972-24 *B-7 4-6'*

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

1,2-Dichloroethane-d4

SB21972-28 *B-9 0-2.5'*

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

1,2-Dichloroethane-d4

SB21972-30 *B-9 6-7'*

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

1,2-Dichloroethane-d4

SW846 8270D

Samples:

S010970-CCV1

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

Fluorene (30.7%)

This affected the following samples:

B-1 0-2'
B-1 4-6'
B-2 0-2'
B-2 4-6'
B-3 1-3'
B-3 4-6'

S011106-CCV1

SW846 8270D

Samples:

S011106-CCV1

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

Dibenzo (a,h) anthracene (23.2%)
Fluorene (31.9%)

This affected the following samples:

B-5 4-6'
B-6 0-2'
B-6 2-4'
B-7 0-2'
B-7 4-6'
B-8 0-2'
B-8 4-5'
B-9 0-2.5'
Duplicate-1

SB21972-04 *B-2 0-2'*

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

SB21972-20 *B-6 2-4'*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0-2' SB21972-01	09-188-02E	Soil	02-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.78 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B/C	08-Dec-10	08-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0-2' SB21972-01	09-188-02E	Soil	02-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.78 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.8	1	SW846 8260B/C	08-Dec-10	08-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	116	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	29.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2330	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*133*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	406	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	406	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0-2' SB21972-01	09-188-02E	Soil	02-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	406	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	406	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	406	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*54*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*59*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.08	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.94	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.08	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	61.7	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0-2' SB21972-01	09-188-02E	Soil	02-Dec-10 07:10	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.08	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.3	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.4	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*54*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.70		mg/kg dry	1.71	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.827		mg/kg dry	0.571	1	"	"	"	"	"	X
7440-47-3	Chromium	20.8		mg/kg dry	1.14	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0514		mg/kg dry	0.0367	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	20.0		mg/kg dry	1.71	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 0-2' SB21972-01	09-188-02E	Soil	02-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	80.3		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025473	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB21972-02	09-188-02E	Soil	02-Dec-10 07:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.77 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.2	1	SW846 8260B/C	08-Dec-10	08-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	32.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	32.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	32.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB21972-02	09-188-02E	Soil	02-Dec-10 07:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.77 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.2	1	SW846 8260B/C	08-Dec-10	08-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	32.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	32.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	64.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	16.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1290	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	351	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	351	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB21972-02	09-188-02E	Soil	02-Dec-10 07:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	351	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	351	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	351	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*76*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.7	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.1	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 4-6' SB21972-02	09-188-02E	Soil	02-Dec-10 07:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	14.1	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.87		mg/kg dry	1.58	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.855		mg/kg dry	0.527	1	"	"	"	"	"	X
7440-47-3	Chromium	24.0		mg/kg dry	1.05	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0315	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	15.6		mg/kg dry	1.58	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
General Chemistry Parameters												
	% Solids	91.9		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025473	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0-2'	09-188-02E	Soil	02-Dec-10 08:05	06-Dec-10
SB21972-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.42 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.7	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
67-64-1	Acetone	BRL		µg/kg dry	46.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	46.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	46.6	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0-2' SB21972-04	09-188-02E	Soil	02-Dec-10 08:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.42 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.7	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	46.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	9.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	46.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	93.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1860	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*	*134*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*115*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
	SPLP Extraction	Completed	HT2	N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026546	X
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	1850	5	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0-2' SB21972-04	09-188-02E	Soil	02-Dec-10 08:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	1850	5	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
120-12-7	Anthracene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	1850	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	1850	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A												
Prepared by method SW846 3535												
319-84-6	alpha-BHC	BRL		µg/l	0.008	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	X
319-85-7	beta-BHC	BRL		µg/l	0.008	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.008	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.008	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.008	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.008	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.008	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.008	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.008	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.008	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.008	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.008	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.008	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.008	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.008	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.008	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.008	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.008	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.008	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.008	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/l	0.100	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0-2' SB21972-04	09-188-02E	Soil	02-Dec-10 08:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A Prepared by method SW846 3535												
57-74-9	Chlordane	BRL		µg/l	0.020	1	SW846 1312/8081E	23-Dec-10	23-Dec-10	TG	1026472	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*32*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.85	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
60-57-1	Dieldrin	2.97		µg/kg dry	2.85	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	5.55		µg/kg dry	2.85	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	13.7		µg/kg dry	4.57	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.57	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.85	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.85	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*46*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*146*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.4	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 0-2' SB21972-04	09-188-02E	Soil	02-Dec-10 08:05	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.4	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
8006-61-9	Gasoline	BRL		mg/kg dry	29.9	2	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.9	2	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.9	2	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.9	2	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.9	2	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.9	2	"	"	"	"	"	
	Unidentified	580		mg/kg dry	29.9	2	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	29.9	2	"	"	"	"	"	
	Total Petroleum Hydrocarbons	580		mg/kg dry	29.9	2	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	580		mg/kg dry	29.9	2	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*102*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	32.0		mg/kg dry	1.45	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.862		mg/kg dry	0.484	1	"	"	"	"	"	X
7440-47-3	Chromium	10.2		mg/kg dry	0.968	1	"	"	"	"	"	X
7439-97-6	Mercury	0.121		mg/kg dry	0.0341	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	131		mg/kg dry	1.45	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026544	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010C	22-Dec-10	27-Dec-10	TBG	1026676	
General Chemistry Parameters												
	% Solids	86.6		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025473	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 2-3.5' SB21972-05	09-188-02E	Soil	02-Dec-10 08:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A			HT2									
319-84-6	alpha-BHC	BRL		µg/kg dry	2.80	1	SW846 8081B	21-Dec-10	22-Dec-10	DS	1026448	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.48	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.80	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.80	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*49*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			O09									
8006-61-9	Gasoline	BRL		mg/kg dry	30.0	1	+CT ETPH	21-Dec-10	21-Dec-10	SHM	1026446	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.0	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*96*			*50-150 %*		"	"	"	"	"	
General Chemistry Parameters												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 2-3.5' SB21972-05	09-188-02E	Soil	02-Dec-10 08:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	86.6		%		1	SM2540 G Mod.	21-Dec-10	21-Dec-10	DT	1026465	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB21972-06	09-188-02E	Soil	02-Dec-10 08:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 11.41 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.1	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	40.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	40.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	40.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB21972-06	09-188-02E	Soil	02-Dec-10 08:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 11.41 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.1	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	40.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	40.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	81.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1620	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*114*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*133*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*117*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	411	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	411	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB21972-06	09-188-02E	Soil	02-Dec-10 08:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	411	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	411	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	411	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.5	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*132*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.6	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.6	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.6	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 4-6' SB21972-06	09-188-02E	Soil	02-Dec-10 08:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	16.6	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
	Unidentified	62.5		mg/kg dry	16.6	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	62.5		mg/kg dry	16.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	62.5		mg/kg dry	16.6	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*85*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	4.86		mg/kg dry	1.84	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.615	1	"	"	"	"	"	X
7440-47-3	Chromium	11.6		mg/kg dry	1.23	1	"	"	"	"	"	X
7439-97-6	Mercury	0.125		mg/kg dry	0.0374	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	159		mg/kg dry	1.84	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026544	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1312/6010C	22-Dec-10	27-Dec-10	TBG	1026676	
General Chemistry Parameters												
	% Solids	79.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025473	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 1-3' SB21972-08	09-188-02E	Soil	03-Dec-10 07:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.54 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 1-3' SB21972-08	09-188-02E	Soil	03-Dec-10 07:05	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.54 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	6.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	68.1	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	17.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1360	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*107*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*128*			*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	355	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	355	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 1-3' SB21972-08	09-188-02E	Soil	03-Dec-10 07:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	355	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	355	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	355	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*44*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*49*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.72	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.35	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.72	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 1-3' SB21972-08	09-188-02E	Soil	03-Dec-10 07:05	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.72	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025336	
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)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.9	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*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	14.3	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*53*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.52		mg/kg dry	1.56	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.773		mg/kg dry	0.519	1	"	"	"	"	"	X
7440-47-3	Chromium	18.5		mg/kg dry	1.04	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0301	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	17.0		mg/kg dry	1.56	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 1-3' SB21972-08	09-188-02E	Soil	03-Dec-10 07:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	90.7		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025473	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB21972-09	09-188-02E	Soil	03-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 10.8 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.3	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	33.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	33.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	33.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB21972-09	09-188-02E	Soil	03-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 10.8 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.3	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	33.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	33.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	66.5	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	16.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1330	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	369	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	369	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB21972-09	09-188-02E	Soil	03-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	369	1	SW846 8270D	08-Dec-10	09-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	369	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*97*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*106*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.0	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 4-6' SB21972-09	09-188-02E	Soil	03-Dec-10 07:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*105*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.11		mg/kg dry	1.64	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.688		mg/kg dry	0.546	1	"	"	"	"	"	X
7440-47-3	Chromium	18.9		mg/kg dry	1.09	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0314	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	13.4		mg/kg dry	1.64	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
General Chemistry Parameters												
	% Solids	87.9		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 12-14' SB21972-12	09-188-02E	Soil	03-Dec-10 07:25	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.61 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.8	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 12-14' SB21972-12	09-188-02E	Soil	03-Dec-10 07:25	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.61 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.8	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	116	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.9	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2310	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*78*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*75*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	404	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	404	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 12-14' SB21972-12	09-188-02E	Soil	03-Dec-10 07:25	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	404	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	404	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*70*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.3	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.3	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.71		mg/kg dry	1.79	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.644		mg/kg dry	0.597	1	"	"	"	"	"	X
7440-47-3	Chromium	14.8		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0357	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	11.6		mg/kg dry	1.79	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
General Chemistry Parameters												
	% Solids	81.5		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 0-2' SB21972-14	09-188-02E	Soil	02-Dec-10 09:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.35 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.9	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	48.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	48.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	48.6	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 0-2' SB21972-14	09-188-02E	Soil	02-Dec-10 09:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.35 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.9	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	48.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	9.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.9	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	48.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	97.1	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1940	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*125*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	383	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	383	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 0-2' SB21972-14	09-188-02E	Soil	02-Dec-10 09:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	383	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.91	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 0-2' SB21972-14	09-188-02E	Soil	02-Dec-10 09:10	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.91	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*56*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.6	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*62*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.5	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*72*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	8.22		mg/kg dry	1.57	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	1.03		mg/kg dry	0.524	1	"	"	"	"	"	X
7440-47-3	Chromium	25.6		mg/kg dry	1.05	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0351	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	17.3		mg/kg dry	1.57	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 0-2' SB21972-14	09-188-02E	Soil	02-Dec-10 09:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	85.2		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-6' SB21972-15	09-188-02E	Soil	02-Dec-10 09:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.53 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-6' SB21972-15	09-188-02E	Soil	02-Dec-10 09:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.53 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	6.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	34.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	68.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	17.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1360	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*129*			*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	363	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	363	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-6' SB21972-15	09-188-02E	Soil	02-Dec-10 09:20	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	363	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	363	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*69*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.6	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.6	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.6	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 4-6' SB21972-15	09-188-02E	Soil	02-Dec-10 09:20	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	14.6	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.6	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	4.61		mg/kg dry	1.49	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.679		mg/kg dry	0.496	1	"	"	"	"	"	X
7440-47-3	Chromium	19.2		mg/kg dry	0.991	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0329	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	12.4		mg/kg dry	1.49	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
General Chemistry Parameters												
	% Solids	90.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 0-2' SB21972-16	09-188-02E	Soil	02-Dec-10 09:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.31 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	44.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 0-2' SB21972-16	09-188-02E	Soil	02-Dec-10 09:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.31 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.2	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1780	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*	*135*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*117*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	359	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	359	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 0-2' SB21972-16	09-188-02E	Soil	02-Dec-10 09:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	359	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	359	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*62*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.69	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.30	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.69	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 0-2' SB21972-16	09-188-02E	Soil	02-Dec-10 09:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.69	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.8	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*69*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	6.30		mg/kg dry	1.43	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.809		mg/kg dry	0.476	1	"	"	"	"	"	X
7440-47-3	Chromium	21.4		mg/kg dry	0.951	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0315	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	14.3		mg/kg dry	1.43	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 0-2' SB21972-16	09-188-02E	Soil	02-Dec-10 09:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	89.1		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB21972-18	09-188-02E	Soil	02-Dec-10 09:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.64 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.8	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	37.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	37.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	37.9	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6'	09-188-02E	Soil	02-Dec-10 09:50	06-Dec-10
SB21972-18				

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: 8.64 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.8	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	37.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	7.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.8	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	7.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.8	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	37.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	75.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	19.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1520	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*123*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*145*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*129*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	368	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	368	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB21972-18	09-188-02E	Soil	02-Dec-10 09:50	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	368	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	368	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	368	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*39*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*43*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.8	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*171*	S02		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 4-6' SB21972-18	09-188-02E	Soil	02-Dec-10 09:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*51*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	6.86		mg/kg dry	1.45	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.681		mg/kg dry	0.483	1	"	"	"	"	"	X
7440-47-3	Chromium	17.4		mg/kg dry	0.967	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0312	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	11.2		mg/kg dry	1.45	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
General Chemistry Parameters												
	% Solids	89.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0-2' SB21972-19	09-188-02E	Soil	02-Dec-10 10:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.43 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0-2' SB21972-19	09-188-02E	Soil	02-Dec-10 10:05	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.43 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	121	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2410	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*117*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*137*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*122*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	407	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	407	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0-2' SB21972-19	09-188-02E	Soil	02-Dec-10 10:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	407	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	407	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*74*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*73*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	3.06	1	SW846 8081B	08-Dec-10	10-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.90	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	3.06	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	61.2	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0-2' SB21972-19	09-188-02E	Soil	02-Dec-10 10:05	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	3.06	1	SW846 8081B	08-Dec-10	10-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*57*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.2	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.4	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.4	1	"	"	"	"	"	
	Unidentified	52.2		mg/kg dry	16.4	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	52.2		mg/kg dry	16.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	52.2		mg/kg dry	16.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*88*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.62		mg/kg dry	1.84	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	0.900		mg/kg dry	0.612	1	"	"	"	"	"	X
7440-47-3	Chromium	20.8		mg/kg dry	1.22	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0372	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	19.7		mg/kg dry	1.84	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 0-2' SB21972-19	09-188-02E	Soil	02-Dec-10 10:05	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	80.6		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 2-4' SB21972-20	09-188-02E	Soil	02-Dec-10 10:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.09 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	44.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	44.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	44.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 2-4' SB21972-20	09-188-02E	Soil	02-Dec-10 10:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.09 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.4	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	44.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	44.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.2	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1780	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*117*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*131*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	991	5	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	991	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 2-4'	09-188-02E	Soil	02-Dec-10 10:10	06-Dec-10
SB21972-20				

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			R01									
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	991	5	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	991	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	991	5	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*65*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	12.1	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	23.5		µg/kg dry	12.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	12.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons			R01									
Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	79.9	5	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	79.9	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	79.9	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	79.9	5	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	79.9	5	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 2-4' SB21972-20	09-188-02E	Soil	02-Dec-10 10:10	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			R01									
J00100000	Aviation Fuel	BRL		mg/kg dry	79.9	5	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
	Unidentified	380		mg/kg dry	79.9	5	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	79.9	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	380		mg/kg dry	79.9	5	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	380		mg/kg dry	79.9	5	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.83		mg/kg dry	1.54	1	SW846 6010C	10-Dec-10	11-Dec-10	TBG	1025529	X
7440-43-9	Cadmium	1.62		mg/kg dry	0.514	1	"	"	"	"	"	X
7440-47-3	Chromium	24.9		mg/kg dry	1.03	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0614		mg/kg dry	0.0333	1	SW846 7471B	"	11-Dec-10	ARF	1025532	X
7439-92-1	Lead	372		mg/kg dry	1.54	1	SW846 6010C	"	11-Dec-10	TBG	1025529	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A		1	SW846 1311	21-Dec-10	22-Dec-10	JLH	1026549	X
7439-92-1	Lead	BRL		mg/l	0.0150	1	SW846 1311/6010C	22-Dec-10	22-Dec-10	HB	1026636	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods												
	SPLP Extraction	Completed		N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026544	X
7439-92-1	Lead	0.0601	V11	mg/l	0.0150	1	SW846 1312/6010C	22-Dec-10	27-Dec-10	TBG	1026676	
General Chemistry Parameters												
	% Solids	82.1		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 4-5.5' SB21972-21	09-188-02E	Soil	02-Dec-10 10:15	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A			O09									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.3	1	SW846 8082A	21-Dec-10	21-Dec-10	SM	1026449	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A			O09									
8006-61-9	Gasoline	BRL		mg/kg dry	30.1	1	+CT ETPH	21-Dec-10	21-Dec-10	SHM	1026446	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	30.1	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*98*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7439-92-1	Lead	11.3		mg/kg dry	1.69	1	SW846 6010C	27-Dec-10	28-Dec-10	TBG	1026852	X
General Chemistry Parameters												
	% Solids	87.8		%		1	SM2540 G Mod.	21-Dec-10	21-Dec-10	DT	1026465	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 0-2' SB21972-22	09-188-02E	Soil	02-Dec-10 11:30	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.97 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.2	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	42.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	42.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	42.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 0-2' SB21972-22	09-188-02E	Soil	02-Dec-10 11:30	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 8.97 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.2	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	42.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	42.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	84.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	21.1	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1690	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*135*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*117*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
	SPLP Extraction	Completed	HT2	N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026546	X
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	387	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 0-2' SB21972-22	09-188-02E	Soil	02-Dec-10 11:30	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	387	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
120-12-7	Anthracene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	415		µg/kg dry	387	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
218-01-9	Chrysene	435		µg/kg dry	387	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
206-44-0	Fluoranthene	665		µg/kg dry	387	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	387	1	"	"	"	"	"	X
129-00-0	Pyrene	636		µg/kg dry	387	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*68*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A												
Prepared by method SW846 3535												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	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	0.002	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.002	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.002	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.002	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	0.026	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 0-2'	09-188-02E	Soil	02-Dec-10 11:30	06-Dec-10
SB21972-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A Prepared by method SW846 3535												
57-74-9	Chlordane	BRL		µg/l	0.005	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.91	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	17.8		µg/kg dry	2.91	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	12.2		µg/kg dry	4.65	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.65	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.91	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.91	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.6	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 0-2' SB21972-22	09-188-02E	Soil	02-Dec-10 11:30	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.6	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.6	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.6	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.6	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.6	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.6	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.6	1	"	"	"	"	"	
	Unidentified	68.1		mg/kg dry	15.6	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.6	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	68.1		mg/kg dry	15.6	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	68.1		mg/kg dry	15.6	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*94*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	5.48		mg/kg dry	1.62	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.728		mg/kg dry	0.539	1	"	"	"	"	"	X
7440-47-3	Chromium	15.6		mg/kg dry	1.08	1	"	"	"	"	"	X
7439-97-6	Mercury	0.0360		mg/kg dry	0.0345	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	26.4		mg/kg dry	1.62	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	84.5		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 2-3' SB21972-23	09-188-02E	Soil	02-Dec-10 11:35	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A			HT2									
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.63	1	SW846 8081B	21-Dec-10	22-Dec-10	DS	1026448	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.20	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.63	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	52.5	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.63	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.8		%		1	SM2540 G Mod.	21-Dec-10	21-Dec-10	DT	1026465	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 4-6'	09-188-02E	Soil	02-Dec-10 11:45	06-Dec-10
SB21972-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 4.99 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.5	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	74.5	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	14.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	74.5	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	14.9	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	14.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.9	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	14.9	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	14.9	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	74.5	1	"	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 4-6'	09-188-02E	Soil	02-Dec-10 11:45	06-Dec-10
SB21972-24				

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 5035A Soil (low level)					Initial weight: 4.99 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.5	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	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	74.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.9	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	14.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.9	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	74.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	149	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	37.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2980	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*114*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*114*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*143*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	403	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	403	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 4-6' SB21972-24	09-188-02E	Soil	02-Dec-10 11:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	403	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	403	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	403	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*59*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*61*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.9	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	16.2	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.2	1	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 4-6' SB21972-24	09-188-02E	Soil	02-Dec-10 11:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	16.2	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	16.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*65*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.97		mg/kg dry	1.79	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.758		mg/kg dry	0.597	1	"	"	"	"	"	X
7440-47-3	Chromium	22.4		mg/kg dry	1.19	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0344	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	14.4		mg/kg dry	1.79	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	80.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 0-2' SB21972-26	09-188-02E	Soil	02-Dec-10 12:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 10.91 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.3	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	33.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	33.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	33.4	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 0-2' SB21972-26	09-188-02E	Soil	02-Dec-10 12:45	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 10.91 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.3	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	33.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	33.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	66.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	16.7	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1340	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	370	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	370	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 0-2' SB21972-26	09-188-02E	Soil	02-Dec-10 12:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	370	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	370	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*74*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.81	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	56.1	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 0-2' SB21972-26	09-188-02E	Soil	02-Dec-10 12:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.81	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.2	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	"	
	Unidentified	64.7		mg/kg dry	14.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	64.7		mg/kg dry	14.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	64.7		mg/kg dry	14.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*90*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.66		mg/kg dry	1.49	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.663		mg/kg dry	0.495	1	"	"	"	"	"	X
7440-47-3	Chromium	14.0		mg/kg dry	0.990	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0335	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	22.1		mg/kg dry	1.49	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 0-2' SB21972-26	09-188-02E	Soil	02-Dec-10 12:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	87.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 4-5' SB21972-27	09-188-02E	Soil	02-Dec-10 12:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 13.46 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	2.5	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
67-64-1	Acetone	BRL		µg/kg dry	25.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	25.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	25.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 4-5' SB21972-27	09-188-02E	Soil	02-Dec-10 12:50	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 13.46 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.5	1	SW846 8260B/C	08-Dec-10	09-Dec-10	jro	1025373	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	25.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	25.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	50.3	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	12.6	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1010	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	356	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	356	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 4-5' SB21972-27	09-188-02E	Soil	02-Dec-10 12:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	356	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	356	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*74*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.8	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.3	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.3	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 4-5' SB21972-27	09-188-02E	Soil	02-Dec-10 12:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	14.3	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
	Unidentified	67.4		mg/kg dry	14.3	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.3	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	67.4		mg/kg dry	14.3	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	67.4		mg/kg dry	14.3	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	1.53	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.510	1	"	"	"	"	"	X
7440-47-3	Chromium	12.4		mg/kg dry	1.02	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0291	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	6.63		mg/kg dry	1.53	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	91.2		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 0-2.5' SB21972-28	09-188-02E	Soil	02-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 14.04 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	2.2	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
67-64-1	Acetone	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 0-2.5' SB21972-28	09-188-02E	Soil	02-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 14.04 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	2.2	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	4.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	2.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	4.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	2.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	44.6	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	11.2	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	892	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*112*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*135*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
	SPLP Extraction	Completed	HT2	N/A		1	SW846 1312	21-Dec-10	22-Dec-10	JLH	1026546	X
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	345	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 0-2.5' SB21972-28	09-188-02E	Soil	02-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	345	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
120-12-7	Anthracene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	345	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	345	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*69*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A												
Prepared by method SW846 3535												
319-84-6	alpha-BHC	BRL		µg/l	0.002	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	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	0.002	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.002	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.002	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.002	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.002	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.002	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	0.030	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 0-2.5' SB21972-28	09-188-02E	Soil	02-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
SPLP Pesticides by SW846 1312/8081A Prepared by method SW846 3535												
57-74-9	Chlordane	BRL		µg/l	0.006	1	SW846 1312/8081B	23-Dec-10	23-Dec-10	TG	1026472	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*		"	"	"	"	"	
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.58	1	SW846 8081B	08-Dec-10	09-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.58	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.13	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	11.4		µg/kg dry	2.58	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	11.8		µg/kg dry	2.58	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X
57-74-9	Chlordane	98.2		µg/kg dry	10.3	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.58	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	10.3	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 0-2.5' SB21972-28	09-188-02E	Soil	02-Dec-10 13:40	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
11097-69-1	Aroclor-1254	BRL		µg/kg dry	10.3	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	13.9	1	+CT ETPH	08-Dec-10	10-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	13.9	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	13.9	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	13.9	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	13.9	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	13.9	1	"	"	"	"	"	
	Unidentified	42.5		mg/kg dry	13.9	1	"	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	13.9	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	42.5		mg/kg dry	13.9	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	42.5		mg/kg dry	13.9	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*86*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	2.63		mg/kg dry	1.49	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.495	1	"	"	"	"	"	X
7440-47-3	Chromium	7.20		mg/kg dry	0.991	1	"	"	"	"	"	X
7439-97-6	Mercury	0.964		mg/kg dry	0.0311	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	30.2		mg/kg dry	1.49	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	93.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 4-6' SB21972-29	09-188-02E	Soil	02-Dec-10 13:45	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A			HT2									
319-84-6	alpha-BHC	BRL		µg/kg dry	2.70	1	SW846 8081B	21-Dec-10	22-Dec-10	DS	1026448	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.32	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.70	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	2.70	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*57*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.6		%		1	SM2540 G Mod.	21-Dec-10	21-Dec-10	DT	1026465	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 6-7'	09-188-02E	Soil	02-Dec-10 13:50	06-Dec-10
SB21972-30				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.5 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.1	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
67-64-1	Acetone	BRL		µg/kg dry	41.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	41.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	41.0	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 6-7' SB21972-30	09-188-02E	Soil	02-Dec-10 13:50	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.5 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.1	1	SW846 8260B/C	09-Dec-10	09-Dec-10	jro	1025449	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	41.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	8.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	8.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	41.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	82.1	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	20.5	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1640	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*140*	SGC		*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	383	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	383	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 6-7' SB21972-30	09-188-02E	Soil	02-Dec-10 13:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	383	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	383	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.7	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	15.4	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.4	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 6-7' SB21972-30	09-188-02E	Soil	02-Dec-10 13:50	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
J00100000	Aviation Fuel	BRL		mg/kg dry	15.4	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
	Unidentified	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	15.4	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*74*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	3.05		mg/kg dry	1.72	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	0.736		mg/kg dry	0.575	1	"	"	"	"	"	X
7440-47-3	Chromium	20.1		mg/kg dry	1.15	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0357	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	12.8		mg/kg dry	1.72	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X
General Chemistry Parameters												
	% Solids	83.8		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	02-Dec-10 00:00	06-Dec-10
SB21972-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	07-Dec-10	07-Dec-10	JLH	1025317	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.41 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	3.7	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg dry	36.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	36.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	36.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	02-Dec-10 00:00	06-Dec-10
SB21972-32				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 9.41 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	3.7	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	36.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	7.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	3.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	7.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	3.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	36.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	73.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	18.3	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1460	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*112*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*117*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	364	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	364	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	02-Dec-10 00:00	06-Dec-10
SB21972-32				

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	364	1	SW846 8270D	08-Dec-10	13-Dec-10	MSL	1025343	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
319-84-6	alpha-BHC	BRL		µg/kg dry	2.81	1	SW846 8081B	08-Dec-10	10-Dec-10	DS	1025338	X
319-85-7	beta-BHC	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	4.49	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	2.81	1	"	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	56.1	1	"	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1	09-188-02E	Soil	02-Dec-10 00:00	06-Dec-10
SB21972-32				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A Prepared by method SW846 3545A												
15972-60-8	Alachlor	BRL		µg/kg dry	2.81	1	SW846 8081B	08-Dec-10	10-Dec-10	DS	1025338	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	11.2	1	SW846 8082A	08-Dec-10	09-Dec-10	IMR	1025341	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	11.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Extractable Total Petroleum Hydrocarbons Prepared by method SW846 3545A												
8006-61-9	Gasoline	BRL		mg/kg dry	14.7	1	+CT ETPH	08-Dec-10	09-Dec-10	SHM	1025342	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.7	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*76*			*50-150 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7440-38-2	Arsenic	23.0		mg/kg dry	1.68	1	SW846 6010C	10-Dec-10	10-Dec-10	TBG	1025533	X
7440-43-9	Cadmium	1.40		mg/kg dry	0.560	1	"	"	"	"	"	X
7440-47-3	Chromium	20.2		mg/kg dry	1.12	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0312	1	SW846 7471B	"	13-Dec-10	ARF	1025534	X
7439-92-1	Lead	21.2		mg/kg dry	1.68	1	SW846 6010C	"	10-Dec-10	TBG	1025533	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate-1 SB21972-32	09-188-02E	Soil	02-Dec-10 00:00	06-Dec-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters												
	% Solids	88.4		%		1	SM2540 G Mod.	09-Dec-10	09-Dec-10	BD	1025474	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB21972-33	09-188-02E	Trip Blank	02-Dec-10 00:00	06-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
67-64-1	Acetone	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	09-188-02E	Trip Blank	02-Dec-10 00:00	06-Dec-10
SB21972-33				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	SW846 8260B/C	09-Dec-10	10-Dec-10	jro	1025455	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	10.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	10.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	100	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0	1	"	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*88*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*130*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*		"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025373 - SW846 5035A Soil (low level)										
Blank (1025373-BLK1)					Prepared & Analyzed: 08-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	10.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025373 - SW846 5035A Soil (low level)										
Blank (1025373-BLK1)						Prepared & Analyzed: 08-Dec-10				
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*43.9*		µg/kg wet		*50.0*		*88*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.3*		µg/kg wet		*50.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (1025373-BS1)						Prepared & Analyzed: 08-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.8		µg/kg wet		20.0		84	70-130		
Acetone	32.8	QM9	µg/kg wet		20.0		164	70-130		
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130		
Benzene	21.5		µg/kg wet		20.0		107	70-130		
Bromobenzene	24.7		µg/kg wet		20.0		124	70-130		
Bromochloromethane	17.8		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	19.5		µg/kg wet		20.0		98	70-130		
Bromoform	22.9		µg/kg wet		20.0		115	70-130		
Bromomethane	18.7		µg/kg wet		20.0		93	70-130		
2-Butanone (MEK)	23.6		µg/kg wet		20.0		118	70-130		
n-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130		
sec-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130		
tert-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Carbon disulfide	15.6		µg/kg wet		20.0		78	70-130		
Carbon tetrachloride	20.4		µg/kg wet		20.0		102	70-130		
Chlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Chloroethane	16.7		µg/kg wet		20.0		84	70-130		
Chloroform	19.2		µg/kg wet		20.0		96	70-130		
Chloromethane	13.8		µg/kg wet		20.0		69	70-130		
2-Chlorotoluene	16.8		µg/kg wet		20.0		84	70-130		
4-Chlorotoluene	19.1		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 1025373 - SW846 5035A Soil (low level)										
LCS (1025373-BS1)						Prepared & Analyzed: 08-Dec-10				
1,2-Dibromo-3-chloropropane	23.9		µg/kg wet		20.0		120	70-130		
Dibromochloromethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dibromoethane (EDB)	18.5		µg/kg wet		20.0		93	70-130		
Dibromomethane	19.1		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,3-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130		
1,4-Dichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethane	15.7		µg/kg wet		20.0		78	70-130		
1,2-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1-Dichloroethene	18.1		µg/kg wet		20.0		91	70-130		
cis-1,2-Dichloroethene	16.5		µg/kg wet		20.0		83	70-130		
trans-1,2-Dichloroethene	17.1		µg/kg wet		20.0		85	70-130		
1,2-Dichloropropane	15.2		µg/kg wet		20.0		76	70-130		
1,3-Dichloropropane	17.9		µg/kg wet		20.0		90	70-130		
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloropropene	17.5		µg/kg wet		20.0		87	70-130		
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130		
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
Ethylbenzene	18.2		µg/kg wet		20.0		91	70-130		
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	70-130		
2-Hexanone (MBK)	24.5		µg/kg wet		20.0		122	70-130		
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	17.0		µg/kg wet		20.0		85	70-130		
Methyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130		
4-Methyl-2-pentanone (MIBK)	28.7		µg/kg wet		20.0		143	70-130		
Methylene chloride	15.2		µg/kg wet		20.0		76	70-130		
Naphthalene	23.0		µg/kg wet		20.0		115	70-130		
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	18.3		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	15.7		µg/kg wet		20.0		78	70-130		
Toluene	17.9		µg/kg wet		20.0		89	70-130		
1,2,3-Trichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
1,2,4-Trichlorobenzene	18.9		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	19.3		µg/kg wet		20.0		96	70-130		
1,1,2-Trichloroethane	18.1		µg/kg wet		20.0		90	70-130		
Trichloroethene	16.8		µg/kg wet		20.0		84	70-130		
Trichlorofluoromethane (Freon 11)	21.7		µg/kg wet		20.0		109	70-130		
1,2,3-Trichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		
1,3,5-Trimethylbenzene	20.3		µg/kg wet		20.0		102	70-130		
Vinyl chloride	17.4		µg/kg wet		20.0		87	70-130		
m,p-Xylene	37.9		µg/kg wet		40.0		95	70-130		
o-Xylene	19.7		µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	15.5		µg/kg wet		20.0		77	70-130		
Ethyl ether	17.5		µg/kg wet		20.0		87	70-130		
Tert-amyl methyl ether	16.4		µg/kg wet		20.0		82	70-130		
Ethyl tert-butyl ether	17.1		µg/kg wet		20.0		85	70-130		
Di-isopropyl ether	14.1		µg/kg wet		20.0		70	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025373 - SW846 5035A Soil (low level)										
LCS (1025373-BS1)						Prepared & Analyzed: 08-Dec-10				
Tert-Butanol / butyl alcohol	192		µg/kg wet		200		96	70-130		
1,4-Dioxane	182		µg/kg wet		200		91	70-130		
trans-1,4-Dichloro-2-butene	21.8		µg/kg wet		20.0		109	70-130		
Ethanol	373		µg/kg wet		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS Dup (1025373-BSD1)						Prepared & Analyzed: 08-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.2		µg/kg wet		20.0		96	70-130	13	25
Acetone	30.6		µg/kg wet		20.0		153	70-130	7	50
Acrylonitrile	17.9		µg/kg wet		20.0		90	70-130	9	25
Benzene	21.0		µg/kg wet		20.0		105	70-130	2	25
Bromobenzene	19.8		µg/kg wet		20.0		99	70-130	22	25
Bromochloromethane	19.6		µg/kg wet		20.0		98	70-130	9	25
Bromodichloromethane	20.6		µg/kg wet		20.0		103	70-130	6	25
Bromoform	23.2		µg/kg wet		20.0		116	70-130	1	25
Bromomethane	20.1		µg/kg wet		20.0		100	70-130	7	50
2-Butanone (MEK)	23.0		µg/kg wet		20.0		115	70-130	2	50
n-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130	16	25
sec-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130	4	25
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Carbon disulfide	17.3		µg/kg wet		20.0		86	70-130	10	25
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130	3	25
Chlorobenzene	17.7		µg/kg wet		20.0		89	70-130	6	25
Chloroethane	18.1		µg/kg wet		20.0		91	70-130	8	50
Chloroform	16.3		µg/kg wet		20.0		82	70-130	16	25
Chloromethane	15.7		µg/kg wet		20.0		78	70-130	13	25
2-Chlorotoluene	18.4		µg/kg wet		20.0		92	70-130	9	25
4-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130	2	25
1,2-Dibromo-3-chloropropane	19.9		µg/kg wet		20.0		99	70-130	19	25
Dibromochloromethane	22.8		µg/kg wet		20.0		114	70-130	7	50
1,2-Dibromoethane (EDB)	26.1	QM9	µg/kg wet		20.0		130	70-130	34	25
Dibromomethane	21.1		µg/kg wet		20.0		106	70-130	10	25
1,2-Dichlorobenzene	17.3		µg/kg wet		20.0		87	70-130	24	25
1,3-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	1	25
1,4-Dichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	4	25
Dichlorodifluoromethane (Freon12)	23.5		µg/kg wet		20.0		117	70-130	12	50
1,1-Dichloroethane	16.8		µg/kg wet		20.0		84	70-130	7	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130	9	25
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130	12	25
cis-1,2-Dichloroethene	17.9		µg/kg wet		20.0		89	70-130	8	25
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	10	25
1,2-Dichloropropane	15.8		µg/kg wet		20.0		79	70-130	4	25
1,3-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	11	25
2,2-Dichloropropane	18.5		µg/kg wet		20.0		92	70-130	2	25
1,1-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	4	25
cis-1,3-Dichloropropene	21.9		µg/kg wet		20.0		110	70-130	21	25
trans-1,3-Dichloropropene	21.9		µg/kg wet		20.0		109	70-130	13	25
Ethylbenzene	18.5		µg/kg wet		20.0		93	70-130	2	25
Hexachlorobutadiene	17.7		µg/kg wet		20.0		88	70-130	7	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025373 - SW846 5035A Soil (low level)										
LCS Dup (1025373-BSD1)					Prepared & Analyzed: 08-Dec-10					
2-Hexanone (MBK)	23.1		µg/kg wet		20.0		116	70-130	6	25
Isopropylbenzene	20.3		µg/kg wet		20.0		101	70-130	2	25
4-Isopropyltoluene	17.4		µg/kg wet		20.0		87	70-130	2	25
Methyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	11	25
4-Methyl-2-pentanone (MIBK)	30.3		µg/kg wet		20.0		152	70-130	6	50
Methylene chloride	16.7		µg/kg wet		20.0		84	70-130	9	25
Naphthalene	20.6		µg/kg wet		20.0		103	70-130	11	25
n-Propylbenzene	18.5		µg/kg wet		20.0		93	70-130	1	25
Styrene	19.3		µg/kg wet		20.0		97	70-130	1	25
1,1,1,2-Tetrachloroethane	22.0		µg/kg wet		20.0		110	70-130	7	25
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	4	25
Tetrachloroethene	18.4		µg/kg wet		20.0		92	70-130	16	25
Toluene	17.8		µg/kg wet		20.0		89	70-130	0.8	25
1,2,3-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	7	25
1,2,4-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	8	25
1,3,5-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	2	25
1,1,1-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130	3	25
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	13	25
Trichloroethene	20.5		µg/kg wet		20.0		103	70-130	20	25
Trichlorofluoromethane (Freon 11)	23.1		µg/kg wet		20.0		116	70-130	6	50
1,2,3-Trichloropropane	21.2		µg/kg wet		20.0		106	70-130	2	25
1,2,4-Trimethylbenzene	22.9		µg/kg wet		20.0		115	70-130	7	25
1,3,5-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	4	25
Vinyl chloride	18.9		µg/kg wet		20.0		94	70-130	8	25
m,p-Xylene	38.0		µg/kg wet		40.0		95	70-130	0.3	25
o-Xylene	18.6		µg/kg wet		20.0		93	70-130	6	25
Tetrahydrofuran	16.1		µg/kg wet		20.0		81	70-130	4	25
Ethyl ether	18.6		µg/kg wet		20.0		93	70-130	6	50
Tert-amyl methyl ether	16.7		µg/kg wet		20.0		84	70-130	2	25
Ethyl tert-butyl ether	18.1		µg/kg wet		20.0		91	70-130	6	25
Di-isopropyl ether	15.3		µg/kg wet		20.0		77	70-130	8	25
Tert-Butanol / butyl alcohol	221		µg/kg wet		200		111	70-130	14	25
1,4-Dioxane	217		µg/kg wet		200		108	70-130	17	25
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130	15	25
Ethanol	354		µg/kg wet		400		88	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*53.5*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.4*		µg/kg wet		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Batch 1025449 - SW846 5035A Soil (low level)										
Blank (1025449-BLK1)					Prepared & Analyzed: 09-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
Blank (1025449-BLK1)					Prepared & Analyzed: 09-Dec-10					
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 1025449 - SW846 5035A Soil (low level)										
Blank (1025449-BLK1)					Prepared & Analyzed: 09-Dec-10					
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*47.6*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*64.7*		µg/kg wet		*50.0*		*129*	*70-130*		
Surrogate: Dibromofluoromethane	*55.4*		µg/kg wet		*50.0*		*111*	*70-130*		
LCS (1025449-BS1)					Prepared & Analyzed: 09-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130		
Acetone	34.4	QM9	µg/kg wet		20.0		172	70-130		
Acrylonitrile	16.6		µg/kg wet		20.0		83	70-130		
Benzene	17.9		µg/kg wet		20.0		90	70-130		
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130		
Bromochloromethane	19.8		µg/kg wet		20.0		99	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		95	70-130		
Bromoform	23.2		µg/kg wet		20.0		116	70-130		
Bromomethane	17.4		µg/kg wet		20.0		87	70-130		
2-Butanone (MEK)	26.7		µg/kg wet		20.0		133	70-130		
n-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130		
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Carbon disulfide	16.9		µg/kg wet		20.0		84	70-130		
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130		
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Chloroethane	16.1		µg/kg wet		20.0		80	70-130		
Chloroform	16.8		µg/kg wet		20.0		84	70-130		
Chloromethane	15.3		µg/kg wet		20.0		76	70-130		
2-Chlorotoluene	18.5		µg/kg wet		20.0		92	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	19.9		µg/kg wet		20.0		99	70-130		
Dibromochloromethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130		
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	21.2		µg/kg wet		20.0		106	70-130		
1,1-Dichloroethane	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
LCS (1025449-BS1)						Prepared & Analyzed: 09-Dec-10				
1,1-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130		
cis-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	16.5		µg/kg wet		20.0		82	70-130		
1,3-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,1-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		93	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	19.3		µg/kg wet		20.0		96	70-130		
Hexachlorobutadiene	20.7		µg/kg wet		20.0		103	70-130		
2-Hexanone (MBK)	20.5		µg/kg wet		20.0		102	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	18.9		µg/kg wet		20.0		94	70-130		
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	23.8		µg/kg wet		20.0		119	70-130		
Methylene chloride	16.8		µg/kg wet		20.0		84	70-130		
Naphthalene	20.9		µg/kg wet		20.0		104	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	20.7		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	16.0		µg/kg wet		20.0		80	70-130		
Toluene	16.9		µg/kg wet		20.0		85	70-130		
1,2,3-Trichlorobenzene	22.5		µg/kg wet		20.0		113	70-130		
1,2,4-Trichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130		
Trichloroethene	17.7		µg/kg wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	20.6		µg/kg wet		20.0		103	70-130		
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130		
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Vinyl chloride	18.3		µg/kg wet		20.0		91	70-130		
m,p-Xylene	40.8		µg/kg wet		40.0		102	70-130		
o-Xylene	19.9		µg/kg wet		20.0		99	70-130		
Tetrahydrofuran	17.6		µg/kg wet		20.0		88	70-130		
Ethyl ether	16.5		µg/kg wet		20.0		82	70-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		87	70-130		
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		92	70-130		
Di-isopropyl ether	16.3		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	192		µg/kg wet		200		96	70-130		
1,4-Dioxane	171		µg/kg wet		200		86	70-130		
trans-1,4-Dichloro-2-butene	20.6		µg/kg wet		20.0		103	70-130		
Ethanol	315		µg/kg wet		400		79	70-130		
Surrogate: 4-Bromofluorobenzene	*54.6*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1025449-BSD1)						Prepared & Analyzed: 09-Dec-10				

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
LCS Dup (1025449-BSD1)					Prepared & Analyzed: 09-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.7		µg/kg wet		20.0		93	70-130	1	25
Acetone	30.0		µg/kg wet		20.0		150	70-130	14	50
Acrylonitrile	16.5		µg/kg wet		20.0		82	70-130	1	25
Benzene	18.2		µg/kg wet		20.0		91	70-130	2	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130	3	25
Bromodichloromethane	19.9		µg/kg wet		20.0		100	70-130	5	25
Bromoform	24.3		µg/kg wet		20.0		122	70-130	5	25
Bromomethane	18.8		µg/kg wet		20.0		94	70-130	8	50
2-Butanone (MEK)	24.0		µg/kg wet		20.0		120	70-130	11	50
n-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130	2	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	5	25
tert-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130	3	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	0.9	25
Carbon tetrachloride	22.3		µg/kg wet		20.0		112	70-130	5	25
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130	0.6	25
Chloroethane	16.1		µg/kg wet		20.0		80	70-130	0.2	50
Chloroform	16.9		µg/kg wet		20.0		84	70-130	0.2	25
Chloromethane	14.4		µg/kg wet		20.0		72	70-130	6	25
2-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	1	25
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130	4	25
Dibromochloromethane	21.3		µg/kg wet		20.0		106	70-130	0.1	50
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130	7	25
Dibromomethane	19.9		µg/kg wet		20.0		100	70-130	1	25
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	1	25
1,3-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.3	25
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet		20.0		103	70-130	2	50
1,1-Dichloroethane	16.9		µg/kg wet		20.0		84	70-130	4	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		107	70-130	2	25
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	5	25
cis-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	1	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	1	25
1,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130	2	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	7	25
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,1-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	2	25
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	1	25
trans-1,3-Dichloropropene	19.7		µg/kg wet		20.0		99	70-130	0.6	25
Ethylbenzene	19.3		µg/kg wet		20.0		97	70-130	0.2	25
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	70-130	8	50
2-Hexanone (MBK)	22.3		µg/kg wet		20.0		112	70-130	9	25
Isopropylbenzene	22.1		µg/kg wet		20.0		111	70-130	3	25
4-Isopropyltoluene	18.6		µg/kg wet		20.0		93	70-130	1	25
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130	3	25
4-Methyl-2-pentanone (MIBK)	22.8		µg/kg wet		20.0		114	70-130	5	50
Methylene chloride	16.7		µg/kg wet		20.0		84	70-130	0.1	25
Naphthalene	20.3		µg/kg wet		20.0		102	70-130	3	25
n-Propylbenzene	19.5		µg/kg wet		20.0		97	70-130	0.6	25
Styrene	21.4		µg/kg wet		20.0		107	70-130	4	25
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130	0.6	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025449 - SW846 5035A Soil (low level)										
LCS Dup (1025449-BSD1)					Prepared & Analyzed: 09-Dec-10					
1,1,2,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130	3	25
Tetrachloroethene	16.9		µg/kg wet		20.0		85	70-130	6	25
Toluene	17.4		µg/kg wet		20.0		87	70-130	3	25
1,2,3-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	7	25
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		93	70-130	4	25
1,3,5-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	4	25
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		99	70-130	2	25
1,1,2-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130	2	25
Trichloroethene	17.4		µg/kg wet		20.0		87	70-130	2	25
Trichlorofluoromethane (Freon 11)	21.8		µg/kg wet		20.0		109	70-130	6	50
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130	1	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	3	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	3	25
Vinyl chloride	17.7		µg/kg wet		20.0		89	70-130	3	25
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130	2	25
o-Xylene	21.0		µg/kg wet		20.0		105	70-130	5	25
Tetrahydrofuran	16.1		µg/kg wet		20.0		80	70-130	9	25
Ethyl ether	17.1		µg/kg wet		20.0		86	70-130	4	50
Tert-amyl methyl ether	17.1		µg/kg wet		20.0		86	70-130	1	25
Ethyl tert-butyl ether	18.3		µg/kg wet		20.0		92	70-130	0.1	25
Di-isopropyl ether	15.1		µg/kg wet		20.0		76	70-130	7	25
Tert-Butanol / butyl alcohol	193		µg/kg wet		200		96	70-130	0.6	25
1,4-Dioxane	193		µg/kg wet		200		96	70-130	12	25
trans-1,4-Dichloro-2-butene	20.8		µg/kg wet		20.0		104	70-130	1	25
Ethanol	314		µg/kg wet		400		79	70-130	0.3	30
Surrogate: 4-Bromofluorobenzene	*55.2*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.9*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Batch 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)					Prepared & Analyzed: 09-Dec-10					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
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 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)					Prepared & Analyzed: 09-Dec-10					
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025455 - SW846 5035A Soil (low level)										
Blank (1025455-BLK1)						Prepared & Analyzed: 09-Dec-10				
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*65.1*		µg/kg wet		*50.0*		*130*	*70-130*		
Surrogate: Dibromofluoromethane	*58.4*		µg/kg wet		*50.0*		*117*	*70-130*		
LCS (1025455-BS1)						Prepared & Analyzed: 09-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130		
Acetone	13.8		µg/kg wet		20.0		69	70-130		
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	19.6		µg/kg wet		20.0		98	70-130		
Bromochloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	20.5		µg/kg wet		20.0		102	70-130		
Bromoform	20.5		µg/kg wet		20.0		102	70-130		
Bromomethane	20.2		µg/kg wet		20.0		101	70-130		
2-Butanone (MEK)	15.0		µg/kg wet		20.0		75	70-130		
n-Butylbenzene	16.2		µg/kg wet		20.0		81	70-130		
sec-Butylbenzene	21.9		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	23.2		µg/kg wet		20.0		116	70-130		
Carbon disulfide	16.2		µg/kg wet		20.0		81	70-130		
Carbon tetrachloride	26.0		µg/kg wet		20.0		130	70-130		
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Chloroethane	17.5		µg/kg wet		20.0		87	70-130		
Chloroform	16.5		µg/kg wet		20.0		82	70-130		
Chloromethane	13.8		µg/kg wet		20.0		69	70-130		
2-Chlorotoluene	22.9		µg/kg wet		20.0		114	70-130		
4-Chlorotoluene	23.4		µg/kg wet		20.0		117	70-130		
1,2-Dibromo-3-chloropropane	17.3		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	25.6		µg/kg wet		20.0		128	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	19.5		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	16.6		µg/kg wet		20.0		83	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	18.5		µg/kg wet		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethane	16.3		µg/kg wet		20.0		82	70-130		
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	22.4		µg/kg wet		20.0		112	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dichloropropane	16.6		µg/kg wet		20.0		83	70-130		
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	23.9		µg/kg wet		20.0		119	70-130		
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130		
trans-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130		
Ethylbenzene	18.5		µg/kg wet		20.0		93	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025455 - SW846 5035A Soil (low level)										
LCS (1025455-BS1)						Prepared & Analyzed: 09-Dec-10				
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	70-130		
2-Hexanone (MBK)	21.4		µg/kg wet		20.0		107	70-130		
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	18.4		µg/kg wet		20.0		92	70-130		
Methyl tert-butyl ether	18.3		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	22.5		µg/kg wet		20.0		112	70-130		
Methylene chloride	16.1		µg/kg wet		20.0		80	70-130		
Naphthalene	17.9		µg/kg wet		20.0		89	70-130		
n-Propylbenzene	22.9		µg/kg wet		20.0		114	70-130		
Styrene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		103	70-130		
1,1,2,2-Tetrachloroethane	21.7		µg/kg wet		20.0		109	70-130		
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130		
Toluene	18.5		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	16.1		µg/kg wet		20.0		80	70-130		
1,3,5-Trichlorobenzene	17.5		µg/kg wet		20.0		87	70-130		
1,1,1-Trichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130		
Trichloroethene	18.0		µg/kg wet		20.0		90	70-130		
Trichlorofluoromethane (Freon 11)	24.2		µg/kg wet		20.0		121	70-130		
1,2,3-Trichloropropane	19.1		µg/kg wet		20.0		95	70-130		
1,2,4-Trimethylbenzene	22.6		µg/kg wet		20.0		113	70-130		
1,3,5-Trimethylbenzene	23.4		µg/kg wet		20.0		117	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	37.7		µg/kg wet		40.0		94	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	13.8	QM9	µg/kg wet		20.0		69	70-130		
Ethyl ether	17.4		µg/kg wet		20.0		87	70-130		
Tert-amyl methyl ether	16.6		µg/kg wet		20.0		83	70-130		
Ethyl tert-butyl ether	17.4		µg/kg wet		20.0		87	70-130		
Di-isopropyl ether	18.9		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	198		µg/kg wet		200		99	70-130		
1,4-Dioxane	157		µg/kg wet		200		79	70-130		
trans-1,4-Dichloro-2-butene	18.0		µg/kg wet		20.0		90	70-130		
Ethanol	369		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS Dup (1025455-BSD1)						Prepared: 09-Dec-10 Analyzed: 10-Dec-10				
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.0		µg/kg wet		20.0		85	70-130	8	25
Acetone	21.6		µg/kg wet		20.0		108	70-130	44	50
Acrylonitrile	16.1		µg/kg wet		20.0		81	70-130	2	25
Benzene	18.6		µg/kg wet		20.0		93	70-130	13	25
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130	6	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130	2	25
Bromoform	22.0		µg/kg wet		20.0		110	70-130	7	25
Bromomethane	19.2		µg/kg wet		20.0		96	70-130	5	50
2-Butanone (MEK)	19.4		µg/kg wet		20.0		97	70-130	26	50

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025455 - SW846 5035A Soil (low level)										
LCS Dup (1025455-BSD1)					Prepared: 09-Dec-10 Analyzed: 10-Dec-10					
n-Butylbenzene	18.3		µg/kg wet		20.0		91	70-130	12	25
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130	14	25
tert-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	13	25
Carbon disulfide	17.3		µg/kg wet		20.0		86	70-130	7	25
Carbon tetrachloride	20.3		µg/kg wet		20.0		102	70-130	25	25
Chlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.4	25
Chloroethane	16.0		µg/kg wet		20.0		80	70-130	9	50
Chloroform	17.5		µg/kg wet		20.0		88	70-130	6	25
Chloromethane	15.4		µg/kg wet		20.0		77	70-130	11	25
2-Chlorotoluene	18.2		µg/kg wet		20.0		91	70-130	23	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	16	25
1,2-Dibromo-3-chloropropane	18.5		µg/kg wet		20.0		92	70-130	7	25
Dibromochloromethane	20.6		µg/kg wet		20.0		103	70-130	22	50
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130	10	25
Dibromomethane	19.7		µg/kg wet		20.0		99	70-130	1	25
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	15	25
1,3-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	8	25
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130	2	25
Dichlorodifluoromethane (Freon12)	18.5		µg/kg wet		20.0		92	70-130	12	50
1,1-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	13	25
1,2-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130	6	25
1,1-Dichloroethene	17.9		µg/kg wet		20.0		90	70-130	22	25
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130	0.2	25
trans-1,2-Dichloroethene	19.1		µg/kg wet		20.0		95	70-130	6	25
1,2-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130	5	25
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130	2	25
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	4	25
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	25	25
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	0.5	25
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	3	25
Ethylbenzene	19.7		µg/kg wet		20.0		98	70-130	6	25
Hexachlorobutadiene	20.1		µg/kg wet		20.0		101	70-130	12	50
2-Hexanone (MBK)	17.3		µg/kg wet		20.0		87	70-130	21	25
Isopropylbenzene	20.7		µg/kg wet		20.0		104	70-130	5	25
4-Isopropyltoluene	18.7		µg/kg wet		20.0		94	70-130	2	25
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130	5	25
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	70-130	19	50
Methylene chloride	17.0		µg/kg wet		20.0		85	70-130	6	25
Naphthalene	18.6		µg/kg wet		20.0		93	70-130	4	25
n-Propylbenzene	19.5		µg/kg wet		20.0		97	70-130	16	25
Styrene	19.8		µg/kg wet		20.0		99	70-130	13	25
1,1,1,2-Tetrachloroethane	21.9		µg/kg wet		20.0		110	70-130	7	25
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	12	25
Tetrachloroethene	15.8		µg/kg wet		20.0		79	70-130	13	25
Toluene	17.2		µg/kg wet		20.0		86	70-130	7	25
1,2,3-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	11	25
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	15	25
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	13	25
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130	2	25
Trichloroethene	17.4		µg/kg wet		20.0		87	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.7		µg/kg wet		20.0		99	70-130	20	50

Volatile Organic Compounds - Quality Control

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

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025343 - SW846 3545A										
Blank (1025343-BLK1)					Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1340*		µg/kg wet		*1670*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*1290*		µg/kg wet		*1670*		*78*	*30-130*		
LCS (1025343-BS1)					Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	1150		µg/kg wet	165	1670		69	40-140		
Acenaphthylene	1160		µg/kg wet	165	1670		70	40-140		
Anthracene	1040		µg/kg wet	165	1670		62	40-140		
Benzo (a) anthracene	1120		µg/kg wet	165	1670		67	40-140		
Benzo (a) pyrene	1230		µg/kg wet	165	1670		74	40-140		
Benzo (b) fluoranthene	1160		µg/kg wet	165	1670		69	40-140		
Benzo (g,h,i) perylene	865		µg/kg wet	165	1670		52	40-140		
Benzo (k) fluoranthene	1210		µg/kg wet	165	1670		72	40-140		
Chrysene	1160		µg/kg wet	165	1670		70	40-140		
Dibenzo (a,h) anthracene	1060		µg/kg wet	165	1670		63	40-140		
Fluoranthene	1020		µg/kg wet	165	1670		61	40-140		
Fluorene	1210		µg/kg wet	165	1670		73	40-140		
Indeno (1,2,3-cd) pyrene	964		µg/kg wet	165	1670		58	40-140		
1-Methylnaphthalene	1160		µg/kg wet	165	1670		69	40-140		
2-Methylnaphthalene	1100		µg/kg wet	165	1670		66	40-140		
Naphthalene	1110		µg/kg wet	165	1670		67	40-140		
Phenanthrene	1000		µg/kg wet	165	1670		60	40-140		
Pyrene	1190		µg/kg wet	165	1670		71	40-140		
Surrogate: 2-Fluorobiphenyl	*1250*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: Terphenyl-dl4	*1210*		µg/kg wet		*1670*		*73*	*30-130*		
Duplicate (1025343-DUP1)			**Source: SB21972-30**			Prepared: 08-Dec-10 Analyzed: 13-Dec-10				
Acenaphthene	BRL		µg/kg dry	191		BRL				50
Acenaphthylene	BRL		µg/kg dry	191		BRL				50
Anthracene	BRL		µg/kg dry	191		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	191		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	191		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	191		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	191		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	191		BRL				50
Chrysene	BRL		µg/kg dry	191		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 1025343 - SW846 3545A										
Duplicate (1025343-DUP1)			**Source: SB21972-30**		Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Dibenzo (a,h) anthracene	BRL		µg/kg dry	191		BRL				50
Fluoranthene	BRL		µg/kg dry	191		BRL				50
Fluorene	BRL		µg/kg dry	191		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	191		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	191		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	191		BRL				50
Naphthalene	BRL		µg/kg dry	191		BRL				50
Phenanthrene	BRL		µg/kg dry	191		BRL				50
Pyrene	BRL		µg/kg dry	191		BRL				50
Surrogate: 2-Fluorobiphenyl	*1310*		µg/kg dry		*1930*		*68*	*30-130*		
Surrogate: Terphenyl-d14	*1260*		µg/kg dry		*1930*		*65*	*30-130*		
Matrix Spike (1025343-MS1)			**Source: SB21972-30**		Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	1480		µg/kg dry	194	1960	BRL	75	40-140		
Acenaphthylene	1450		µg/kg dry	194	1960	BRL	74	40-140		
Anthracene	1290		µg/kg dry	194	1960	BRL	66	40-140		
Benzo (a) anthracene	1360		µg/kg dry	194	1960	BRL	69	40-140		
Benzo (a) pyrene	1400		µg/kg dry	194	1960	BRL	71	40-140		
Benzo (b) fluoranthene	1430		µg/kg dry	194	1960	BRL	73	40-140		
Benzo (g,h,i) perylene	1080		µg/kg dry	194	1960	BRL	55	40-140		
Benzo (k) fluoranthene	1490		µg/kg dry	194	1960	BRL	76	40-140		
Chrysene	1410		µg/kg dry	194	1960	BRL	72	30-130		
Dibenzo (a,h) anthracene	1230		µg/kg dry	194	1960	BRL	62	30-130		
Fluoranthene	1300		µg/kg dry	194	1960	BRL	66	40-140		
Fluorene	1510		µg/kg dry	194	1960	BRL	77	40-140		
Indeno (1,2,3-cd) pyrene	1110		µg/kg dry	194	1960	BRL	57	40-140		
1-Methylnaphthalene	1470		µg/kg dry	194	1960	BRL	75	40-140		
2-Methylnaphthalene	1580		µg/kg dry	194	1960	BRL	80	40-140		
Naphthalene	1400		µg/kg dry	194	1960	BRL	71	40-140		
Phenanthrene	1290		µg/kg dry	194	1960	BRL	66	40-140		
Pyrene	1350		µg/kg dry	194	1960	BRL	69	40-140		
Surrogate: 2-Fluorobiphenyl	*1470*		µg/kg dry		*1960*		*75*	*30-130*		
Surrogate: Terphenyl-d14	*1330*		µg/kg dry		*1960*		*68*	*30-130*		
Matrix Spike Dup (1025343-MSD1)			**Source: SB21972-30**		Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Acenaphthene	1270		µg/kg dry	194	1960	BRL	65	40-140	16	30
Acenaphthylene	1220		µg/kg dry	194	1960	BRL	62	40-140	18	30
Anthracene	1070		µg/kg dry	194	1960	BRL	54	40-140	19	30
Benzo (a) anthracene	1160		µg/kg dry	194	1960	BRL	59	40-140	16	30
Benzo (a) pyrene	1210		µg/kg dry	194	1960	BRL	62	40-140	15	30
Benzo (b) fluoranthene	1140		µg/kg dry	194	1960	BRL	58	40-140	22	30
Benzo (g,h,i) perylene	855		µg/kg dry	194	1960	BRL	44	40-140	23	30
Benzo (k) fluoranthene	1420		µg/kg dry	194	1960	BRL	72	40-140	5	30
Chrysene	1230		µg/kg dry	194	1960	BRL	63	30-130	14	30
Dibenzo (a,h) anthracene	1000		µg/kg dry	194	1960	BRL	51	30-130	20	30
Fluoranthene	1070		µg/kg dry	194	1960	BRL	55	40-140	20	30
Fluorene	1280		µg/kg dry	194	1960	BRL	65	40-140	16	30
Indeno (1,2,3-cd) pyrene	899		µg/kg dry	194	1960	BRL	46	40-140	21	30
1-Methylnaphthalene	1250		µg/kg dry	194	1960	BRL	63	40-140	17	30
2-Methylnaphthalene	1290		µg/kg dry	194	1960	BRL	66	40-140	20	30
Naphthalene	1190		µg/kg dry	194	1960	BRL	61	40-140	16	30
Phenanthrene	1080		µg/kg dry	194	1960	BRL	55	40-140	18	30
Pyrene	1180		µg/kg dry	194	1960	BRL	60	40-140	14	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 1025343 - SW846 3545A										
Matrix Spike Dup (1025343-MSD1)			**Source: SB21972-30**		Prepared: 08-Dec-10 Analyzed: 13-Dec-10					
Surrogate: 2-Fluorobiphenyl	*1290*		µg/kg dry		*1960*		*66*	*30-130*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg dry		*1960*		*58*	*30-130*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025338 - SW846 3545A										
Blank (1025338-BLK1)						Prepared: 08-Dec-10 Analyzed: 09-Dec-10				
alpha-BHC	BRL		µg/kg wet	2.50						
alpha-BHC [2C]	BRL		µg/kg wet	2.50						
beta-BHC	BRL		µg/kg wet	2.50						
beta-BHC [2C]	BRL		µg/kg wet	2.50						
delta-BHC	BRL		µg/kg wet	2.50						
delta-BHC [2C]	BRL		µg/kg wet	2.50						
gamma-BHC (Lindane)	BRL		µg/kg wet	2.50						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	2.50						
Heptachlor	BRL		µg/kg wet	2.50						
Heptachlor [2C]	BRL		µg/kg wet	2.50						
Aldrin	BRL		µg/kg wet	2.50						
Aldrin [2C]	BRL		µg/kg wet	2.50						
Heptachlor epoxide	BRL		µg/kg wet	2.50						
Heptachlor epoxide [2C]	BRL		µg/kg wet	2.50						
Endosulfan I	BRL		µg/kg wet	2.50						
Endosulfan I [2C]	BRL		µg/kg wet	2.50						
Dieldrin	BRL		µg/kg wet	2.50						
Dieldrin [2C]	BRL		µg/kg wet	2.50						
4,4'-DDE (p,p')	BRL		µg/kg wet	2.50						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	2.50						
Endrin	BRL		µg/kg wet	4.00						
Endrin [2C]	BRL		µg/kg wet	4.00						
Endosulfan II	BRL		µg/kg wet	4.00						
Endosulfan II [2C]	BRL		µg/kg wet	4.00						
4,4'-DDD (p,p')	BRL		µg/kg wet	4.00						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	4.00						
Endosulfan sulfate	BRL		µg/kg wet	4.00						
Endosulfan sulfate [2C]	BRL		µg/kg wet	4.00						
4,4'-DDT (p,p')	BRL		µg/kg wet	4.00						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	4.00						
Methoxychlor	BRL		µg/kg wet	4.00						
Methoxychlor [2C]	BRL		µg/kg wet	4.00						
Endrin ketone	BRL		µg/kg wet	4.00						
Endrin ketone [2C]	BRL		µg/kg wet	4.00						
Endrin aldehyde	BRL		µg/kg wet	4.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	4.00						
alpha-Chlordane	BRL		µg/kg wet	2.50						
alpha-Chlordane [2C]	BRL		µg/kg wet	2.50						
gamma-Chlordane	BRL		µg/kg wet	2.50						
gamma-Chlordane [2C]	BRL		µg/kg wet	2.50						
Toxaphene	BRL		µg/kg wet	50.0						
Toxaphene [2C]	BRL		µg/kg wet	50.0						
Chlordane	BRL		µg/kg wet	10.0						
Chlordane [2C]	BRL		µg/kg wet	10.0						
Alachlor	BRL		µg/kg wet	2.50						
Alachlor [2C]	BRL		µg/kg wet	2.50						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.1*		µg/kg wet		*10.0*		*101*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.35*		µg/kg wet		*10.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.2*		µg/kg wet		*10.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.57*		µg/kg wet		*10.0*		*96*	*30-150*		
LCS (1025338-BS1)						Prepared: 08-Dec-10 Analyzed: 09-Dec-10				

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025338 - SW846 3545A										
LCS (1025338-BS1)					Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
alpha-BHC	20.5		µg/kg wet	2.50	25.0		82	40-140		
alpha-BHC [2C]	20.6		µg/kg wet	2.50	25.0		82	40-140		
beta-BHC	20.1		µg/kg wet	2.50	25.0		80	40-140		
beta-BHC [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140		
delta-BHC	17.6		µg/kg wet	2.50	25.0		70	40-140		
delta-BHC [2C]	18.4		µg/kg wet	2.50	25.0		74	40-140		
gamma-BHC (Lindane)	20.7		µg/kg wet	2.50	25.0		83	50-120		
gamma-BHC (Lindane) [2C]	20.6		µg/kg wet	2.50	25.0		82	50-120		
Heptachlor	19.8		µg/kg wet	2.50	25.0		79	40-140		
Heptachlor [2C]	19.1		µg/kg wet	2.50	25.0		76	40-140		
Aldrin	18.7		µg/kg wet	2.50	25.0		75	40-140		
Aldrin [2C]	19.2		µg/kg wet	2.50	25.0		77	40-140		
Heptachlor epoxide	18.5		µg/kg wet	2.50	25.0		74	50-140		
Heptachlor epoxide [2C]	19.7		µg/kg wet	2.50	25.0		79	50-140		
Endosulfan I	18.8		µg/kg wet	2.50	25.0		75	40-140		
Endosulfan I [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140		
Dieldrin	18.2		µg/kg wet	2.50	25.0		73	40-130		
Dieldrin [2C]	20.9		µg/kg wet	2.50	25.0		84	40-130		
4,4'-DDE (p,p')	18.3		µg/kg wet	2.50	25.0		73	50-140		
4,4'-DDE (p,p') [2C]	21.1		µg/kg wet	2.50	25.0		84	50-140		
Endrin	18.6		µg/kg wet	4.00	25.0		74	50-120		
Endrin [2C]	25.5		µg/kg wet	4.00	25.0		102	50-120		
Endosulfan II	18.8		µg/kg wet	4.00	25.0		75	40-140		
Endosulfan II [2C]	22.4		µg/kg wet	4.00	25.0		89	40-140		
4,4'-DDD (p,p')	18.0		µg/kg wet	4.00	25.0		72	40-140		
4,4'-DDD (p,p') [2C]	20.2		µg/kg wet	4.00	25.0		81	40-140		
Endosulfan sulfate	18.9		µg/kg wet	4.00	25.0		76	50-120		
Endosulfan sulfate [2C]	22.3		µg/kg wet	4.00	25.0		89	50-120		
4,4'-DDT (p,p')	15.5		µg/kg wet	4.00	25.0		62	40-140		
4,4'-DDT (p,p') [2C]	21.9		µg/kg wet	4.00	25.0		87	40-140		
Methoxychlor	16.8		µg/kg wet	4.00	25.0		67	40-140		
Methoxychlor [2C]	24.3		µg/kg wet	4.00	25.0		97	40-140		
Endrin ketone	18.6		µg/kg wet	4.00	25.0		74	40-140		
Endrin ketone [2C]	21.4		µg/kg wet	4.00	25.0		86	40-140		
Endrin aldehyde	18.1		µg/kg wet	4.00	25.0		72	40-140		
Endrin aldehyde [2C]	20.4		µg/kg wet	4.00	25.0		82	40-140		
alpha-Chlordane	16.5		µg/kg wet	2.50	25.0		66	40-140		
alpha-Chlordane [2C]	18.4		µg/kg wet	2.50	25.0		74	40-140		
gamma-Chlordane	17.0		µg/kg wet	2.50	25.0		68	40-130		
gamma-Chlordane [2C]	18.8		µg/kg wet	2.50	25.0		75	40-130		
Alachlor	20.1		µg/kg wet	2.50	25.0		80	40-140		
Alachlor [2C]	20.1		µg/kg wet	2.50	25.0		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.84*		µg/kg wet		*10.0*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.70*		µg/kg wet		*10.0*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.54*		µg/kg wet		*10.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.64*		µg/kg wet		*10.0*		*96*	*30-150*		
LCS Dup (1025338-BSD1)					Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
alpha-BHC	20.7		µg/kg wet	2.50	25.0		83	40-140	0.9	30
alpha-BHC [2C]	20.5		µg/kg wet	2.50	25.0		82	40-140	0.4	30
beta-BHC	20.3		µg/kg wet	2.50	25.0		81	40-140	1	30
beta-BHC [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140	0.3	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 1025338 - SW846 3545A										
LCS Dup (1025338-BSD1)					Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
delta-BHC	17.8		µg/kg wet	2.50	25.0		71	40-140	1	30
delta-BHC [2C]	18.4		µg/kg wet	2.50	25.0		73	40-140	0.4	30
gamma-BHC (Lindane)	20.9		µg/kg wet	2.50	25.0		84	50-120	0.8	30
gamma-BHC (Lindane) [2C]	20.5		µg/kg wet	2.50	25.0		82	50-120	0.4	30
Heptachlor	20.0		µg/kg wet	2.50	25.0		80	40-140	1	30
Heptachlor [2C]	19.0		µg/kg wet	2.50	25.0		76	40-140	0.2	30
Aldrin	18.8		µg/kg wet	2.50	25.0		75	40-140	0.5	30
Aldrin [2C]	19.1		µg/kg wet	2.50	25.0		76	40-140	0.5	30
Heptachlor epoxide	18.7		µg/kg wet	2.50	25.0		75	50-140	1	30
Heptachlor epoxide [2C]	19.6		µg/kg wet	2.50	25.0		78	50-140	0.4	30
Endosulfan I	18.9		µg/kg wet	2.50	25.0		76	40-140	0.7	30
Endosulfan I [2C]	20.8		µg/kg wet	2.50	25.0		83	40-140	0.2	30
Dieldrin	18.5		µg/kg wet	2.50	25.0		74	40-130	2	30
Dieldrin [2C]	20.8		µg/kg wet	2.50	25.0		83	40-130	0.6	30
4,4'-DDE (p,p')	18.5		µg/kg wet	2.50	25.0		74	50-140	1	30
4,4'-DDE (p,p') [2C]	21.1		µg/kg wet	2.50	25.0		84	50-140	0.2	30
Endrin	18.7		µg/kg wet	4.00	25.0		75	50-120	0.7	30
Endrin [2C]	25.4		µg/kg wet	4.00	25.0		101	50-120	0.5	30
Endosulfan II	19.0		µg/kg wet	4.00	25.0		76	40-140	1	30
Endosulfan II [2C]	22.4		µg/kg wet	4.00	25.0		90	40-140	0.1	30
4,4'-DDD (p,p')	18.2		µg/kg wet	4.00	25.0		73	40-140	2	30
4,4'-DDD (p,p') [2C]	20.1		µg/kg wet	4.00	25.0		81	40-140	0.2	30
Endosulfan sulfate	19.2		µg/kg wet	4.00	25.0		77	50-120	1	30
Endosulfan sulfate [2C]	22.4		µg/kg wet	4.00	25.0		90	50-120	0.8	30
4,4'-DDT (p,p')	15.7		µg/kg wet	4.00	25.0		63	40-140	1	30
4,4'-DDT (p,p') [2C]	21.4		µg/kg wet	4.00	25.0		85	40-140	2	30
Methoxychlor	16.7		µg/kg wet	4.00	25.0		67	40-140	0.3	30
Methoxychlor [2C]	24.5		µg/kg wet	4.00	25.0		98	40-140	0.5	30
Endrin ketone	18.9		µg/kg wet	4.00	25.0		75	40-140	1	30
Endrin ketone [2C]	21.6		µg/kg wet	4.00	25.0		86	40-140	0.8	30
Endrin aldehyde	18.5		µg/kg wet	4.00	25.0		74	40-140	2	30
Endrin aldehyde [2C]	20.6		µg/kg wet	4.00	25.0		82	40-140	0.6	30
alpha-Chlordane	16.7		µg/kg wet	2.50	25.0		67	40-140	0.9	30
alpha-Chlordane [2C]	18.4		µg/kg wet	2.50	25.0		74	40-140	0.1	30
gamma-Chlordane	17.1		µg/kg wet	2.50	25.0		69	40-130	1	30
gamma-Chlordane [2C]	18.8		µg/kg wet	2.50	25.0		75	40-130	0.2	30
Alachlor	20.4		µg/kg wet	2.50	25.0		82	40-140	1	30
Alachlor [2C]	19.2		µg/kg wet	2.50	25.0		77	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.89*		µg/kg wet		*10.0*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.78*		µg/kg wet		*10.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.70*		µg/kg wet		*10.0*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.90*		µg/kg wet		*10.0*		*99*	*30-150*		
Duplicate (1025338-DUP1)			**Source: SB21972-04**		Prepared: 08-Dec-10 Analyzed: 10-Dec-10					
alpha-BHC	BRL		µg/kg dry	2.77		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	2.77		BRL				30
beta-BHC	BRL		µg/kg dry	2.77		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	2.77		BRL				30
delta-BHC	BRL		µg/kg dry	2.77		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	2.77		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	2.77		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	2.77		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 1025338 - SW846 3545A										
Duplicate (1025338-DUP1)			**Source: SB21972-04**		Prepared: 08-Dec-10 Analyzed: 10-Dec-10					
Heptachlor	BRL		µg/kg dry	2.77		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	2.77		BRL				30
Aldrin	BRL		µg/kg dry	2.77		BRL				30
Aldrin [2C]	BRL		µg/kg dry	2.77		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	2.77		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	2.77		BRL				30
Endosulfan I	BRL		µg/kg dry	2.77		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	2.77		BRL				30
Dieldrin	2.97		µg/kg dry	2.77		2.73			9	30
Dieldrin [2C]	BRL		µg/kg dry	2.77		2.97				30
4,4'-DDE (p,p')	3.80		µg/kg dry	2.77		4.14			9	30
4,4'-DDE (p,p') [2C]	3.81	QM4	µg/kg dry	2.77		5.55			37	30
Endrin	BRL		µg/kg dry	4.44		BRL				30
Endrin [2C]	BRL		µg/kg dry	4.44		BRL				30
Endosulfan II	BRL		µg/kg dry	4.44		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	4.44		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	4.44		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	4.44		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	4.44		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	4.44		BRL				30
4,4'-DDT (p,p')	10.1		µg/kg dry	4.44		9.28			8	30
4,4'-DDT (p,p') [2C]	11.9		µg/kg dry	4.44		13.7			14	30
Methoxychlor	BRL		µg/kg dry	4.44		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	4.44		BRL				30
Endrin ketone	BRL		µg/kg dry	4.44		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	4.44		BRL				30
Endrin aldehyde	BRL		µg/kg dry	4.44		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	4.44		BRL				30
alpha-Chlordane	BRL		µg/kg dry	2.77		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	2.77		BRL				30
gamma-Chlordane	BRL		µg/kg dry	2.77		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	2.77		BRL				30
Toxaphene	BRL		µg/kg dry	55.5		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	55.5		BRL				30
Chlordane	BRL		µg/kg dry	11.1		BRL				30
Chlordane [2C]	BRL		µg/kg dry	11.1		BRL				30
Alachlor	BRL		µg/kg dry	2.77		BRL				30
Alachlor [2C]	BRL		µg/kg dry	2.77		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.84*		µg/kg dry		*11.1*		*62*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*5.39*		µg/kg dry		*11.1*		*49*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.70*		µg/kg dry		*11.1*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.7*		µg/kg dry		*11.1*		*96*	*30-150*		
Matrix Spike (1025338-MS1)			**Source: SB21972-26**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
alpha-BHC	16.7		µg/kg dry	2.79	27.9	BRL	60	30-150		
alpha-BHC [2C]	18.2		µg/kg dry	2.79	27.9	BRL	65	30-150		
beta-BHC	18.5		µg/kg dry	2.79	27.9	BRL	66	30-150		
beta-BHC [2C]	18.3		µg/kg dry	2.79	27.9	BRL	66	30-150		
delta-BHC	14.5		µg/kg dry	2.79	27.9	BRL	52	30-150		
delta-BHC [2C]	16.9		µg/kg dry	2.79	27.9	BRL	61	30-150		
gamma-BHC (Lindane)	19.7		µg/kg dry	2.79	27.9	BRL	71	46-127		
gamma-BHC (Lindane) [2C]	18.1		µg/kg dry	2.79	27.9	BRL	65	46-127		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025338 - SW846 3545A										
Matrix Spike (1025338-MS1)			**Source: SB21972-26**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
Heptachlor	13.4		µg/kg dry	2.79	27.9	BRL	48	35-130		
Heptachlor [2C]	13.7		µg/kg dry	2.79	27.9	BRL	49	35-130		
Aldrin	13.6		µg/kg dry	2.79	27.9	BRL	49	34-132		
Aldrin [2C]	12.4		µg/kg dry	2.79	27.9	BRL	45	34-132		
Heptachlor epoxide	13.3		µg/kg dry	2.79	27.9	BRL	48	30-150		
Heptachlor epoxide [2C]	14.5		µg/kg dry	2.79	27.9	BRL	52	30-150		
Endosulfan I	13.9		µg/kg dry	2.79	27.9	BRL	50	30-150		
Endosulfan I [2C]	15.3		µg/kg dry	2.79	27.9	BRL	55	30-150		
Dieldrin	13.1		µg/kg dry	2.79	27.9	BRL	47	31-134		
Dieldrin [2C]	15.8		µg/kg dry	2.79	27.9	BRL	57	31-134		
4,4'-DDE (p,p')	12.1		µg/kg dry	2.79	27.9	BRL	43	30-150		
4,4'-DDE (p,p') [2C]	14.3		µg/kg dry	2.79	27.9	BRL	51	30-150		
Endrin	15.0		µg/kg dry	4.46	27.9	BRL	54	42-139		
Endrin [2C]	19.5		µg/kg dry	4.46	27.9	BRL	70	42-139		
Endosulfan II	14.3		µg/kg dry	4.46	27.9	BRL	51	30-150		
Endosulfan II [2C]	17.0		µg/kg dry	4.46	27.9	BRL	61	30-150		
4,4'-DDD (p,p')	11.8		µg/kg dry	4.46	27.9	BRL	42	30-150		
4,4'-DDD (p,p') [2C]	15.2		µg/kg dry	4.46	27.9	BRL	54	30-150		
Endosulfan sulfate	16.4		µg/kg dry	4.46	27.9	BRL	59	30-150		
Endosulfan sulfate [2C]	16.1		µg/kg dry	4.46	27.9	BRL	58	30-150		
4,4'-DDT (p,p')	11.6		µg/kg dry	4.46	27.9	BRL	42	23-134		
4,4'-DDT (p,p') [2C]	14.5		µg/kg dry	4.46	27.9	BRL	52	23-134		
Methoxychlor	12.6		µg/kg dry	4.46	27.9	BRL	45	30-150		
Methoxychlor [2C]	13.7		µg/kg dry	4.46	27.9	BRL	49	30-150		
Endrin ketone	25.7		µg/kg dry	4.46	27.9	BRL	92	30-150		
Endrin ketone [2C]	16.4		µg/kg dry	4.46	27.9	BRL	59	30-150		
Endrin aldehyde	11.0		µg/kg dry	4.46	27.9	BRL	39	30-150		
Endrin aldehyde [2C]	10.5		µg/kg dry	4.46	27.9	BRL	38	30-150		
alpha-Chlordane	11.2		µg/kg dry	2.79	27.9	BRL	40	30-150		
alpha-Chlordane [2C]	12.7		µg/kg dry	2.79	27.9	BRL	45	30-150		
gamma-Chlordane	12.5		µg/kg dry	2.79	27.9	BRL	45	30-150		
gamma-Chlordane [2C]	14.2		µg/kg dry	2.79	27.9	BRL	51	30-150		
Alachlor	17.7		µg/kg dry	2.79	27.9	BRL	64	30-150		
Alachlor [2C]	13.7		µg/kg dry	2.79	27.9	BRL	49	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.98*		µg/kg dry		*11.1*		*81*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.08*		µg/kg dry		*11.1*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.84*		µg/kg dry		*11.1*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.1*		µg/kg dry		*11.1*		*108*	*30-150*		
Matrix Spike Dup (1025338-MSD1)			**Source: SB21972-26**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
alpha-BHC	14.6		µg/kg dry	2.77	27.7	BRL	53	30-150	13	30
alpha-BHC [2C]	16.3		µg/kg dry	2.77	27.7	BRL	59	30-150	10	30
beta-BHC	13.9		µg/kg dry	2.77	27.7	BRL	50	30-150	28	30
beta-BHC [2C]	16.4		µg/kg dry	2.77	27.7	BRL	59	30-150	10	30
delta-BHC	12.6		µg/kg dry	2.77	27.7	BRL	46	30-150	13	30
delta-BHC [2C]	14.8		µg/kg dry	2.77	27.7	BRL	53	30-150	13	30
gamma-BHC (Lindane)	15.8		µg/kg dry	2.77	27.7	BRL	57	46-127	21	30
gamma-BHC (Lindane) [2C]	16.5		µg/kg dry	2.77	27.7	BRL	60	46-127	9	30
Heptachlor	11.1		µg/kg dry	2.77	27.7	BRL	40	35-130	18	30
Heptachlor [2C]	11.6		µg/kg dry	2.77	27.7	BRL	42	35-130	16	30
Aldrin	10.4		µg/kg dry	2.77	27.7	BRL	38	34-132	26	30
Aldrin [2C]	11.1		µg/kg dry	2.77	27.7	BRL	40	34-132	11	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 1025338 - SW846 3545A										
Matrix Spike Dup (1025338-MSD1)			**Source: SB21972-26**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
Heptachlor epoxide	11.0		µg/kg dry	2.77	27.7	BRL	40	30-150	18	30
Heptachlor epoxide [2C]	12.7		µg/kg dry	2.77	27.7	BRL	46	30-150	13	30
Endosulfan I	11.7		µg/kg dry	2.77	27.7	BRL	42	30-150	17	30
Endosulfan I [2C]	13.4		µg/kg dry	2.77	27.7	BRL	48	30-150	13	30
Dieldrin	10.9		µg/kg dry	2.77	27.7	BRL	39	31-134	17	30
Dieldrin [2C]	13.9		µg/kg dry	2.77	27.7	BRL	50	31-134	12	30
4,4'-DDE (p,p')	9.92		µg/kg dry	2.77	27.7	BRL	36	30-150	19	30
4,4'-DDE (p,p') [2C]	12.3		µg/kg dry	2.77	27.7	BRL	45	30-150	14	30
Endrin	12.3		µg/kg dry	4.42	27.7	BRL	44	42-139	19	30
Endrin [2C]	17.0		µg/kg dry	4.42	27.7	BRL	61	42-139	13	30
Endosulfan II	11.9		µg/kg dry	4.42	27.7	BRL	43	30-150	17	30
Endosulfan II [2C]	15.2		µg/kg dry	4.42	27.7	BRL	55	30-150	11	30
4,4'-DDD (p,p')	9.52		µg/kg dry	4.42	27.7	BRL	34	30-150	21	30
4,4'-DDD (p,p') [2C]	11.4		µg/kg dry	4.42	27.7	BRL	41	30-150	28	30
Endosulfan sulfate	12.9		µg/kg dry	4.42	27.7	BRL	47	30-150	23	30
Endosulfan sulfate [2C]	14.6		µg/kg dry	4.42	27.7	BRL	53	30-150	10	30
4,4'-DDT (p,p')	8.94		µg/kg dry	4.42	27.7	BRL	32	23-134	25	30
4,4'-DDT (p,p') [2C]	12.7		µg/kg dry	4.42	27.7	BRL	46	23-134	13	30
Methoxychlor	16.5		µg/kg dry	4.42	27.7	BRL	60	30-150	27	30
Methoxychlor [2C]	11.4		µg/kg dry	4.42	27.7	BRL	41	30-150	18	30
Endrin ketone	14.3	QR2	µg/kg dry	4.42	27.7	BRL	52	30-150	56	30
Endrin ketone [2C]	16.7		µg/kg dry	4.42	27.7	BRL	60	30-150	2	30
Endrin aldehyde	8.85		µg/kg dry	4.42	27.7	BRL	32	30-150	21	30
Endrin aldehyde [2C]	8.62		µg/kg dry	4.42	27.7	BRL	31	30-150	19	30
alpha-Chlordane	9.57		µg/kg dry	2.77	27.7	BRL	35	30-150	15	30
alpha-Chlordane [2C]	11.3		µg/kg dry	2.77	27.7	BRL	41	30-150	11	30
gamma-Chlordane	9.23		µg/kg dry	2.77	27.7	BRL	33	30-150	29	30
gamma-Chlordane [2C]	11.4		µg/kg dry	2.77	27.7	BRL	41	30-150	21	30
Alachlor	15.0		µg/kg dry	2.77	27.7	BRL	54	30-150	16	30
Alachlor [2C]	15.5		µg/kg dry	2.77	27.7	BRL	56	30-150	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.42*		µg/kg dry		*11.1*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*6.89*		µg/kg dry		*11.1*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.32*		µg/kg dry		*11.1*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.09*		µg/kg dry		*11.1*		*64*	*30-150*		
Batch 1025341 - SW846 3545A										
Blank (1025341-BLK1)					Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
Aroclor-1016	BRL		µg/kg wet	10.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1221	BRL		µg/kg wet	10.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1232	BRL		µg/kg wet	10.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1242	BRL		µg/kg wet	10.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1248	BRL		µg/kg wet	10.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1254	BRL		µg/kg wet	10.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1260	BRL		µg/kg wet	10.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1262	BRL		µg/kg wet	10.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025341 - SW846 3545A										
Blank (1025341-BLK1)						Prepared: 08-Dec-10	Analyzed: 09-Dec-10			
Aroclor-1262 [2C]	BRL		µg/kg wet	10.0						
Aroclor-1268	BRL		µg/kg wet	10.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	10.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.55*		µg/kg wet		*10.0*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.35*		µg/kg wet		*10.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.80*		µg/kg wet		*10.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.75*		µg/kg wet		*10.0*		*88*	*30-150*		
LCS (1025341-BS1)						Prepared: 08-Dec-10	Analyzed: 09-Dec-10			
Aroclor-1016	98.5		µg/kg wet	10.0	125		79	50-140		
Aroclor-1016 [2C]	91.9		µg/kg wet	10.0	125		74	50-140		
Aroclor-1260	93.5		µg/kg wet	10.0	125		75	50-140		
Aroclor-1260 [2C]	93.7		µg/kg wet	10.0	125		75	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.95*		µg/kg wet		*10.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.00*		µg/kg wet		*10.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.65*		µg/kg wet		*10.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.65*		µg/kg wet		*10.0*		*86*	*30-150*		
LCS Dup (1025341-BSD1)						Prepared: 08-Dec-10	Analyzed: 09-Dec-10			
Aroclor-1016	97.1		µg/kg wet	10.0	125		78	50-140	1	30
Aroclor-1016 [2C]	97.3		µg/kg wet	10.0	125		78	50-140	6	30
Aroclor-1260	92.4		µg/kg wet	10.0	125		74	50-140	1	30
Aroclor-1260 [2C]	99.3		µg/kg wet	10.0	125		79	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.00*		µg/kg wet		*10.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.20*		µg/kg wet		*10.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.55*		µg/kg wet		*10.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.20*		µg/kg wet		*10.0*		*92*	*30-150*		
Duplicate (1025341-DUP1)			**Source: SB21972-04**			Prepared: 08-Dec-10	Analyzed: 09-Dec-10			
Aroclor-1016	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1221	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1232	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1242	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1248	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1254	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1260	5.27	J	µg/kg dry	11.1		6.51			21	40
Aroclor-1260 [2C]	6.05	J	µg/kg dry	11.1		6.68			10	40
Aroclor-1262	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1268	BRL		µg/kg dry	11.1		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	11.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.71*		µg/kg dry		*11.1*		*51*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.87*		µg/kg dry		*11.1*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.88*		µg/kg dry		*11.1*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.82*		µg/kg dry		*11.1*		*70*	*30-150*		
Matrix Spike (1025341-MS1)			**Source: SB21972-04**			Prepared: 08-Dec-10	Analyzed: 09-Dec-10			
Aroclor-1016	102		µg/kg dry	11.2	140	BRL	73	40-135		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025341 - SW846 3545A										
Matrix Spike (1025341-MS1)			**Source: SB21972-04**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
Aroclor-1016 [2C]	105		µg/kg dry	11.2	140	BRL	76	40-135		
Aroclor-1260	78.8		µg/kg dry	11.2	140	6.51	52	40-135		
Aroclor-1260 [2C]	80.1		µg/kg dry	11.2	140	6.68	53	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.53*		µg/kg dry		*11.2*		*59*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.04*		µg/kg dry		*11.2*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.3*		µg/kg dry		*11.2*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.70*		µg/kg dry		*11.2*		*69*	*30-150*		
Matrix Spike Dup (1025341-MSD1)			**Source: SB21972-04**		Prepared: 08-Dec-10 Analyzed: 09-Dec-10					
Aroclor-1016	95.8		µg/kg dry	11.1	139	BRL	69	40-135	7	30
Aroclor-1016 [2C]	103		µg/kg dry	11.1	139	BRL	74	40-135	2	30
Aroclor-1260	80.0		µg/kg dry	11.1	139	6.51	53	40-135	2	30
Aroclor-1260 [2C]	80.7		µg/kg dry	11.1	139	6.68	53	40-135	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.47*		µg/kg dry		*11.1*		*58*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.19*		µg/kg dry		*11.1*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.2*		µg/kg dry		*11.1*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*7.30*		µg/kg dry		*11.1*		*65*	*30-150*		
Batch 1026448 - SW846 3545A										
Blank (1026448-BLK1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-10					
alpha-BHC	BRL		µg/kg wet	5.00						
alpha-BHC [2C]	BRL		µg/kg wet	5.00						
beta-BHC	BRL		µg/kg wet	5.00						
beta-BHC [2C]	BRL		µg/kg wet	5.00						
delta-BHC	BRL		µg/kg wet	5.00						
delta-BHC [2C]	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.00						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.00						
Heptachlor	BRL		µg/kg wet	5.00						
Heptachlor [2C]	BRL		µg/kg wet	5.00						
Aldrin	BRL		µg/kg wet	5.00						
Aldrin [2C]	BRL		µg/kg wet	5.00						
Heptachlor epoxide	BRL		µg/kg wet	5.00						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.00						
Endosulfan I	BRL		µg/kg wet	5.00						
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						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026448 - SW846 3545A										
Blank (1026448-BLK1)						Prepared: 21-Dec-10 Analyzed: 22-Dec-10				
Endrin ketone [2C]	BRL		µg/kg wet	8.00						
Endrin aldehyde	BRL		µg/kg wet	8.00						
Endrin aldehyde [2C]	BRL		µg/kg wet	8.00						
alpha-Chlordane	BRL		µg/kg wet	5.00						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.00						
gamma-Chlordane	BRL		µg/kg wet	5.00						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.00						
Toxaphene	BRL		µg/kg wet	100						
Toxaphene [2C]	BRL		µg/kg wet	100						
Chlordane	BRL		µg/kg wet	20.0						
Chlordane [2C]	BRL		µg/kg wet	20.0						
Alachlor	BRL		µg/kg wet	5.00						
Alachlor [2C]	BRL		µg/kg wet	5.00						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.3*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
LCS (1026448-BS1)						Prepared: 21-Dec-10 Analyzed: 22-Dec-10				
alpha-BHC	44.6		µg/kg wet	5.00	50.0		89	40-140		
alpha-BHC [2C]	42.5		µg/kg wet	5.00	50.0		85	40-140		
beta-BHC	45.2		µg/kg wet	5.00	50.0		90	40-140		
beta-BHC [2C]	42.2		µg/kg wet	5.00	50.0		84	40-140		
delta-BHC	39.4		µg/kg wet	5.00	50.0		79	40-140		
delta-BHC [2C]	36.7		µg/kg wet	5.00	50.0		73	40-140		
gamma-BHC (Lindane)	45.6		µg/kg wet	5.00	50.0		91	50-120		
gamma-BHC (Lindane) [2C]	43.0		µg/kg wet	5.00	50.0		86	50-120		
Heptachlor	47.7		µg/kg wet	5.00	50.0		95	40-140		
Heptachlor [2C]	44.6		µg/kg wet	5.00	50.0		89	40-140		
Aldrin	43.8		µg/kg wet	5.00	50.0		88	40-140		
Aldrin [2C]	41.6		µg/kg wet	5.00	50.0		83	40-140		
Heptachlor epoxide	44.8		µg/kg wet	5.00	50.0		90	50-140		
Heptachlor epoxide [2C]	43.4		µg/kg wet	5.00	50.0		87	50-140		
Endosulfan I	45.6		µg/kg wet	5.00	50.0		91	40-140		
Endosulfan I [2C]	45.8		µg/kg wet	5.00	50.0		92	40-140		
Dieldrin	45.5		µg/kg wet	5.00	50.0		91	40-130		
Dieldrin [2C]	44.8		µg/kg wet	5.00	50.0		90	40-130		
4,4'-DDE (p,p')	44.4		µg/kg wet	5.00	50.0		89	50-140		
4,4'-DDE (p,p') [2C]	41.8		µg/kg wet	5.00	50.0		84	50-140		
Endrin	45.8		µg/kg wet	8.00	50.0		92	50-120		
Endrin [2C]	44.7		µg/kg wet	8.00	50.0		89	50-120		
Endosulfan II	45.8		µg/kg wet	8.00	50.0		92	40-140		
Endosulfan II [2C]	44.5		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p')	44.5		µg/kg wet	8.00	50.0		89	40-140		
4,4'-DDD (p,p') [2C]	46.4		µg/kg wet	8.00	50.0		93	40-140		
Endosulfan sulfate	43.0		µg/kg wet	8.00	50.0		86	50-120		
Endosulfan sulfate [2C]	44.1		µg/kg wet	8.00	50.0		88	50-120		
4,4'-DDT (p,p')	41.5		µg/kg wet	8.00	50.0		83	40-140		
4,4'-DDT (p,p') [2C]	37.5		µg/kg wet	8.00	50.0		75	40-140		
Methoxychlor	40.8		µg/kg wet	8.00	50.0		82	40-140		
Methoxychlor [2C]	37.0		µg/kg wet	8.00	50.0		74	40-140		
Endrin ketone	43.3		µg/kg wet	8.00	50.0		87	40-140		

Semivolatile Organic Compounds by GC - Quality Control

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

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026448 - SW846 3545A										
LCS Dup (1026448-BSD1)					Prepared: 21-Dec-10 Analyzed: 22-Dec-10					
alpha-Chlordane [2C]	39.8		µg/kg wet	5.00	50.0		80	40-140	3	30
gamma-Chlordane	40.7		µg/kg wet	5.00	50.0		81	40-130	5	30
gamma-Chlordane [2C]	41.6		µg/kg wet	5.00	50.0		83	40-130	0.2	30
Alachlor	48.0		µg/kg wet	5.00	50.0		96	40-140	4	30
Alachlor [2C]	47.7		µg/kg wet	5.00	50.0		95	40-140	0.8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Batch 1026449 - SW846 3545A										
Blank (1026449-BLK1)					Prepared & Analyzed: 21-Dec-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)	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.8*		µg/kg wet		*20.0*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS (1026449-BS1)					Prepared & Analyzed: 21-Dec-10					
Aroclor-1016	239		µg/kg wet	20.0	250		96	50-140		
Aroclor-1016 [2C]	206		µg/kg wet	20.0	250		83	50-140		
Aroclor-1260	250		µg/kg wet	20.0	250		100	50-140		
Aroclor-1260 [2C]	223		µg/kg wet	20.0	250		89	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.1*		µg/kg wet		*20.0*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.1*		µg/kg wet		*20.0*		*101*	*30-150*		
LCS Dup (1026449-BSD1)					Prepared & Analyzed: 21-Dec-10					
Aroclor-1016	233		µg/kg wet	20.0	250		93	50-140	2	30
Aroclor-1016 [2C]	221		µg/kg wet	20.0	250		88	50-140	7	30
Aroclor-1260	263		µg/kg wet	20.0	250		105	50-140	5	30
Aroclor-1260 [2C]	248		µg/kg wet	20.0	250		99	50-140	11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.4*		µg/kg wet		*20.0*		*122*	*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 1026449 - SW846 3545A										
LCS Dup (1026449-BSD1)						Prepared & Analyzed: 21-Dec-10				
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.8*		µg/kg wet		*20.0*		*104*	*30-150*		
Batch 1026472 - SW846 3535										
Blank (1026472-BLK1)						Prepared: 21-Dec-10 Analyzed: 23-Dec-10				
alpha-BHC	BRL		µg/l	0.029						
alpha-BHC [2C]	BRL		µg/l	0.029						
beta-BHC	BRL		µg/l	0.029						
beta-BHC [2C]	BRL		µg/l	0.029						
delta-BHC	BRL		µg/l	0.029						
delta-BHC [2C]	BRL		µg/l	0.029						
gamma-BHC (Lindane)	BRL		µg/l	0.029						
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.029						
Heptachlor	BRL		µg/l	0.029						
Heptachlor [2C]	BRL		µg/l	0.029						
Aldrin	BRL		µg/l	0.029						
Aldrin [2C]	BRL		µg/l	0.029						
Heptachlor epoxide	BRL		µg/l	0.029						
Heptachlor epoxide [2C]	BRL		µg/l	0.029						
Endosulfan I	BRL		µg/l	0.029						
Endosulfan I [2C]	BRL		µg/l	0.029						
Dieldrin	BRL		µg/l	0.029						
Dieldrin [2C]	BRL		µg/l	0.029						
4,4'-DDE (p,p')	BRL		µg/l	0.029						
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.029						
Endrin	BRL		µg/l	0.029						
Endrin [2C]	BRL		µg/l	0.029						
Endosulfan II	BRL		µg/l	0.029						
Endosulfan II [2C]	BRL		µg/l	0.029						
4,4'-DDD (p,p')	BRL		µg/l	0.029						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.029						
Endosulfan sulfate	BRL		µg/l	0.029						
Endosulfan sulfate [2C]	BRL		µg/l	0.029						
4,4'-DDT (p,p')	BRL		µg/l	0.029						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.029						
Methoxychlor	BRL		µg/l	0.029						
Methoxychlor [2C]	BRL		µg/l	0.029						
Endrin ketone	BRL		µg/l	0.029						
Endrin ketone [2C]	BRL		µg/l	0.029						
Endrin aldehyde	BRL		µg/l	0.029						
Endrin aldehyde [2C]	BRL		µg/l	0.029						
alpha-Chlordane	BRL		µg/l	0.029						
alpha-Chlordane [2C]	BRL		µg/l	0.029						
gamma-Chlordane	BRL		µg/l	0.029						
gamma-Chlordane [2C]	BRL		µg/l	0.029						
Toxaphene	BRL		µg/l	0.357						
Toxaphene [2C]	BRL		µg/l	0.357						
Chlordane	BRL		µg/l	0.071						
Chlordane [2C]	BRL		µg/l	0.071						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.240*		µg/l		*0.286*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.238*		µg/l		*0.286*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.221*		µg/l		*0.286*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.228*		µg/l		*0.286*		*80*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026472 - SW846 3535										
LCS (1026472-BS1)						Prepared: 21-Dec-10 Analyzed: 23-Dec-10				
alpha-BHC	0.437		µg/l	0.020	0.500		87	40-140		
alpha-BHC [2C]	0.430		µg/l	0.020	0.500		86	40-140		
beta-BHC	0.444		µg/l	0.020	0.500		89	40-140		
beta-BHC [2C]	0.430		µg/l	0.020	0.500		86	40-140		
delta-BHC	0.381		µg/l	0.020	0.500		76	40-140		
delta-BHC [2C]	0.375		µg/l	0.020	0.500		75	40-140		
gamma-BHC (Lindane)	0.446		µg/l	0.020	0.500		89	50-120		
gamma-BHC (Lindane) [2C]	0.435		µg/l	0.020	0.500		87	50-120		
Heptachlor	0.426		µg/l	0.020	0.500		85	40-140		
Heptachlor [2C]	0.439		µg/l	0.020	0.500		88	40-140		
Aldrin	0.420		µg/l	0.020	0.500		84	40-140		
Aldrin [2C]	0.421		µg/l	0.020	0.500		84	40-140		
Heptachlor epoxide	0.427		µg/l	0.020	0.500		85	50-140		
Heptachlor epoxide [2C]	0.438		µg/l	0.020	0.500		88	50-140		
Endosulfan I	0.436		µg/l	0.020	0.500		87	40-140		
Endosulfan I [2C]	0.453		µg/l	0.020	0.500		91	40-140		
Dieldrin	0.432		µg/l	0.020	0.500		86	40-130		
Dieldrin [2C]	0.437		µg/l	0.020	0.500		87	40-130		
4,4'-DDE (p,p')	0.421		µg/l	0.020	0.500		84	50-140		
4,4'-DDE (p,p') [2C]	0.422		µg/l	0.020	0.500		84	50-140		
Endrin	0.446		µg/l	0.020	0.500		89	50-120		
Endrin [2C]	0.446		µg/l	0.020	0.500		89	50-120		
Endosulfan II	0.435		µg/l	0.020	0.500		87	40-140		
Endosulfan II [2C]	0.443		µg/l	0.020	0.500		89	40-140		
4,4'-DDD (p,p')	0.424		µg/l	0.020	0.500		85	40-140		
4,4'-DDD (p,p') [2C]	0.469		µg/l	0.020	0.500		94	40-140		
Endosulfan sulfate	0.409		µg/l	0.020	0.500		82	50-120		
Endosulfan sulfate [2C]	0.425		µg/l	0.020	0.500		85	50-120		
4,4'-DDT (p,p')	0.379		µg/l	0.020	0.500		76	40-140		
4,4'-DDT (p,p') [2C]	0.329		µg/l	0.020	0.500		66	40-140		
Methoxychlor	0.363		µg/l	0.020	0.500		73	40-140		
Methoxychlor [2C]	0.326		µg/l	0.020	0.500		65	40-140		
Endrin ketone	0.405		µg/l	0.020	0.500		81	40-140		
Endrin ketone [2C]	0.450		µg/l	0.020	0.500		90	40-140		
Endrin aldehyde	0.373		µg/l	0.020	0.500		75	40-140		
Endrin aldehyde [2C]	0.413		µg/l	0.020	0.500		83	40-140		
alpha-Chlordane	0.374		µg/l	0.020	0.500		75	40-140		
alpha-Chlordane [2C]	0.378		µg/l	0.020	0.500		76	40-140		
gamma-Chlordane	0.404		µg/l	0.020	0.500		81	40-130		
gamma-Chlordane [2C]	0.418		µg/l	0.020	0.500		84	40-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.191*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/l		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.175*		µg/l		*0.200*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.174*		µg/l		*0.200*		*87*	*30-150*		
LCS Dup (1026472-BSD1)						Prepared: 21-Dec-10 Analyzed: 23-Dec-10				
alpha-BHC	0.422		µg/l	0.020	0.500		84	40-140	3	20
alpha-BHC [2C]	0.425		µg/l	0.020	0.500		85	40-140	1	20
beta-BHC	0.433		µg/l	0.020	0.500		87	40-140	2	20
beta-BHC [2C]	0.425		µg/l	0.020	0.500		85	40-140	1	20
delta-BHC	0.370		µg/l	0.020	0.500		74	40-140	3	20
delta-BHC [2C]	0.360		µg/l	0.020	0.500		72	40-140	4	20

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026472 - SW846 3535										
LCS Dup (1026472-BSD1)					Prepared: 21-Dec-10 Analyzed: 23-Dec-10					
gamma-BHC (Lindane)	0.431		µg/l	0.020	0.500		86	50-120	3	20
gamma-BHC (Lindane) [2C]	0.430		µg/l	0.020	0.500		86	50-120	1	20
Heptachlor	0.420		µg/l	0.020	0.500		84	40-140	1	20
Heptachlor [2C]	0.441		µg/l	0.020	0.500		88	40-140	0.5	20
Aldrin	0.410		µg/l	0.020	0.500		82	40-140	3	20
Aldrin [2C]	0.416		µg/l	0.020	0.500		83	40-140	1	20
Heptachlor epoxide	0.422		µg/l	0.020	0.500		84	50-140	1	20
Heptachlor epoxide [2C]	0.436		µg/l	0.020	0.500		87	50-140	0.4	20
Endosulfan I	0.431		µg/l	0.020	0.500		86	40-140	1	20
Endosulfan I [2C]	0.453		µg/l	0.020	0.500		91	40-140	0.2	20
Dieldrin	0.426		µg/l	0.020	0.500		85	40-130	1	20
Dieldrin [2C]	0.440		µg/l	0.020	0.500		88	40-130	0.5	20
4,4'-DDE (p,p')	0.417		µg/l	0.020	0.500		83	50-140	0.9	20
4,4'-DDE (p,p') [2C]	0.428		µg/l	0.020	0.500		86	50-140	1	20
Endrin	0.447		µg/l	0.020	0.500		89	50-120	0.1	20
Endrin [2C]	0.460		µg/l	0.020	0.500		92	50-120	3	20
Endosulfan II	0.434		µg/l	0.020	0.500		87	40-140	0.1	20
Endosulfan II [2C]	0.451		µg/l	0.020	0.500		90	40-140	2	20
4,4'-DDD (p,p')	0.416		µg/l	0.020	0.500		83	40-140	2	20
4,4'-DDD (p,p') [2C]	0.478		µg/l	0.020	0.500		96	40-140	2	20
Endosulfan sulfate	0.410		µg/l	0.020	0.500		82	50-120	0.3	20
Endosulfan sulfate [2C]	0.441		µg/l	0.020	0.500		88	50-120	4	20
4,4'-DDT (p,p')	0.380		µg/l	0.020	0.500		76	40-140	0.5	20
4,4'-DDT (p,p') [2C]	0.350		µg/l	0.020	0.500		70	40-140	6	20
Methoxychlor	0.371		µg/l	0.020	0.500		74	40-140	2	20
Methoxychlor [2C]	0.356		µg/l	0.020	0.500		71	40-140	9	20
Endrin ketone	0.403		µg/l	0.020	0.500		81	40-140	0.6	20
Endrin ketone [2C]	0.464		µg/l	0.020	0.500		93	40-140	3	20
Endrin aldehyde	0.377		µg/l	0.020	0.500		75	40-140	1	20
Endrin aldehyde [2C]	0.421		µg/l	0.020	0.500		84	40-140	2	20
alpha-Chlordane	0.372		µg/l	0.020	0.500		74	40-140	0.4	20
alpha-Chlordane [2C]	0.375		µg/l	0.020	0.500		75	40-140	0.7	20
gamma-Chlordane	0.400		µg/l	0.020	0.500		80	40-130	1	20
gamma-Chlordane [2C]	0.419		µg/l	0.020	0.500		84	40-130	0.2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.179*		µg/l		*0.200*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.179*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.188*		µg/l		*0.200*		*94*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025342 - SW846 3545A										
Blank (1025342-BLK1)						Prepared: 08-Dec-10 Analyzed: 09-Dec-10				
Gasoline	BRL		mg/kg wet	6.6						
Fuel Oil #2	BRL		mg/kg wet	6.6						
Fuel Oil #4	BRL		mg/kg wet	6.6						
Fuel Oil #6	BRL		mg/kg wet	6.6						
Motor Oil	BRL		mg/kg wet	6.6						
Aviation Fuel	BRL		mg/kg wet	6.6						
Unidentified	BRL		mg/kg wet	6.6						
Other Oil	BRL		mg/kg wet	6.6						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	6.6						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	6.6						
Surrogate: 1-Chlorooctadecane	*1.50*		mg/kg wet		*1.67*		*90*	*50-150*		
LCS (1025342-BS1)						Prepared: 08-Dec-10 Analyzed: 09-Dec-10				
C9-C36 Aliphatic Hydrocarbons	38.8		mg/kg wet	6.6	46.7		83	60-120		
Surrogate: 1-Chlorooctadecane	*1.22*		mg/kg wet		*1.67*		*73*	*50-150*		
Duplicate (1025342-DUP1)			**Source: SB21972-28**			Prepared: 08-Dec-10 Analyzed: 10-Dec-10				
Gasoline	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	13.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	13.8		BRL				50
Motor Oil	BRL		mg/kg dry	13.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	13.8		BRL				50
Unidentified	47.0		mg/kg dry	13.8		42.5			10	50
Other Oil	Calculated as		mg/kg dry	13.8		alculated a				50
Total Petroleum Hydrocarbons	47.0		mg/kg dry	13.8		42.5			10	50
C9-C36 Aliphatic Hydrocarbons	47.0		mg/kg dry	13.8		42.5			10	50
Surrogate: 1-Chlorooctadecane	*1.55*		mg/kg dry		*1.73*		*90*	*50-150*		
Matrix Spike (1025342-MS1)			**Source: SB21972-28**			Prepared: 08-Dec-10 Analyzed: 10-Dec-10				
C9-C36 Aliphatic Hydrocarbons	87.2	QM7	mg/kg dry	13.5	94.7	42.5	47	50-150		
Surrogate: 1-Chlorooctadecane	*2.52*		mg/kg dry		*3.38*		*75*	*50-150*		
Matrix Spike Dup (1025342-MSD1)			**Source: SB21972-28**			Prepared: 08-Dec-10 Analyzed: 10-Dec-10				
C9-C36 Aliphatic Hydrocarbons	87.0	QM7	mg/kg dry	13.5	94.7	42.5	47	50-150	0.5	30
Surrogate: 1-Chlorooctadecane	*2.45*		mg/kg dry		*3.38*		*72*	*50-150*		
Batch 1026446 - SW846 3545A										
Blank (1026446-BLK1)						Prepared & Analyzed: 21-Dec-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	*2.97*		mg/kg wet		*3.33*		*89*	*50-150*		
LCS (1026446-BS1)						Prepared & Analyzed: 21-Dec-10				
C9-C36 Aliphatic Hydrocarbons	61.1		mg/kg wet	13.3	93.3		65	60-120		
Surrogate: 1-Chlorooctadecane	*2.82*		mg/kg wet		*3.33*		*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 1025529 - SW846 3050B										
Blank (1025529-BLK1)						Prepared & Analyzed: 10-Dec-10				
Lead	BRL		mg/kg wet	1.28						
Cadmium	BRL		mg/kg wet	0.428						
Chromium	BRL		mg/kg wet	0.856						
Arsenic	BRL		mg/kg wet	1.28						
Reference (1025529-SRM1)						Prepared & Analyzed: 10-Dec-10				
Lead	58.0		mg/kg wet	1.50	60.2		96	83.3-116.7		
Arsenic	65.8		mg/kg wet	1.50	68.7		96	83.2-117.5		
Cadmium	41.0		mg/kg wet	0.500	42.6		96	84-115.9		
Chromium	79.2		mg/kg wet	1.00	84.2		94	81.5-117.9		
Reference (1025529-SRM2)						Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Lead	59.7		mg/kg wet	1.50	60.4		99	83.3-116.7		
Arsenic	67.7		mg/kg wet	1.50	69.0		98	83.2-117.5		
Chromium	81.0		mg/kg wet	1.00	84.6		96	81.5-117.9		
Cadmium	42.3		mg/kg wet	0.500	42.8		99	84-115.9		
Batch 1025532 - EPA200/SW7000 Series										
Blank (1025532-BLK1)						Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	BRL		mg/kg wet	0.0275						
Duplicate (1025532-DUP1)			Source: SB21972-01			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	0.0448		mg/kg dry	0.0370		0.0514			14	20
Matrix Spike (1025532-MS1)			Source: SB21972-02			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	0.491		mg/kg dry	0.0314	0.436	BRL	113	75-125		
Matrix Spike Dup (1025532-MSD1)			Source: SB21972-02			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	0.499		mg/kg dry	0.0310	0.431	BRL	116	75-125	2	20
Post Spike (1025532-PS1)			Source: SB21972-02			Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	0.485		mg/kg dry	0.0301	0.419	BRL	116	80-120		
Reference (1025532-SRM1)						Prepared: 10-Dec-10 Analyzed: 11-Dec-10				
Mercury	2.06		mg/kg wet	0.300	1.96		105	71.4-128.6		
Batch 1025533 - SW846 3050B										
Blank (1025533-BLK1)						Prepared & Analyzed: 10-Dec-10				
Lead	BRL		mg/kg wet	1.41						
Arsenic	BRL		mg/kg wet	1.41						
Cadmium	BRL		mg/kg wet	0.471						
Chromium	BRL		mg/kg wet	0.942						
Duplicate (1025533-DUP1)			Source: SB21972-22			Prepared & Analyzed: 10-Dec-10				
Lead	26.6		mg/kg dry	1.74		26.4			0.5	20
Cadmium	0.717		mg/kg dry	0.579		0.728			1	20
Arsenic	6.02		mg/kg dry	1.74		5.48			9	20
Chromium	17.0		mg/kg dry	1.16		15.6			9	20
Matrix Spike (1025533-MS1)			Source: SB21972-24			Prepared & Analyzed: 10-Dec-10				
Lead	143		mg/kg dry	1.64	137	14.4	94	75-125		
Arsenic	131		mg/kg dry	1.64	137	3.97	93	75-125		
Cadmium	131		mg/kg dry	0.547	137	0.758	96	75-125		
Chromium	152		mg/kg dry	1.09	137	22.4	95	75-125		
Matrix Spike Dup (1025533-MSD1)			Source: SB21972-24			Prepared & Analyzed: 10-Dec-10				
Lead	145		mg/kg dry	1.66	139	14.4	94	75-125	2	20
Arsenic	133		mg/kg dry	1.66	139	3.97	93	75-125	2	20
Cadmium	134		mg/kg dry	0.554	139	0.758	96	75-125	2	20
Chromium	154		mg/kg dry	1.11	139	22.4	95	75-125	1	20
Post Spike (1025533-PS1)			Source: SB21972-24			Prepared & Analyzed: 10-Dec-10				
Lead	164		mg/kg dry	1.85	154	14.4	97	80-120		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025533 - SW846 3050B										
Post Spike (1025533-PS1)			Source: SB21972-24		Prepared & Analyzed: 10-Dec-10					
Cadmium	152		mg/kg dry	0.618	154	0.758	98	80-120		
Arsenic	153		mg/kg dry	1.85	154	3.97	96	80-120		
Chromium	170		mg/kg dry	1.24	154	22.4	95	80-120		
Reference (1025533-SRM1)					Prepared & Analyzed: 10-Dec-10					
Lead	63.2		mg/kg wet	1.50	61.9		102	83.3-116.7		
Arsenic	71.2		mg/kg wet	1.50	70.7		101	83.2-117.5		
Cadmium	43.4		mg/kg wet	0.500	43.9		99	84-115.9		
Chromium	87.1		mg/kg wet	1.00	86.7		100	81.5-117.9		
Reference (1025533-SRM2)					Prepared & Analyzed: 10-Dec-10					
Lead	58.8		mg/kg wet	1.50	60.9		96	83.3-116.7		
Arsenic	66.2		mg/kg wet	1.50	69.6		95	83.2-117.5		
Cadmium	41.0		mg/kg wet	0.500	43.2		95	84-115.9		
Chromium	83.5		mg/kg wet	1.00	85.3		98	81.5-117.9		
Batch 1025534 - EPA200/SW7000 Series										
Blank (1025534-BLK1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	BRL		mg/kg wet	0.0284						
Duplicate (1025534-DUP1)			Source: SB21972-22		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	0.0217	J,QR6	mg/kg dry	0.0320		0.0360			49	20
Matrix Spike (1025534-MS1)			Source: SB21972-24		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	0.508		mg/kg dry	0.0329	0.457	0.0149	108	75-125		
Matrix Spike Dup (1025534-MSD1)			Source: SB21972-24		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	0.557		mg/kg dry	0.0367	0.509	0.0149	106	75-125	9	20
Post Spike (1025534-PS1)			Source: SB21972-24		Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	0.531		mg/kg dry	0.0341	0.474	0.0149	109	80-120		
Reference (1025534-SRM1)					Prepared: 10-Dec-10 Analyzed: 13-Dec-10					
Mercury	2.11		mg/kg wet	0.300	1.98		107	71.4-128.6		
Batch 1026852 - SW846 3050B										
Blank (1026852-BLK1)					Prepared: 27-Dec-10 Analyzed: 28-Dec-10					
Lead	BRL		mg/kg wet	1.26						
Reference (1026852-SRM1)					Prepared: 27-Dec-10 Analyzed: 28-Dec-10					
Lead	55.5		mg/kg wet	1.50	61.2		91	83.3-116.7		
Reference (1026852-SRM2)					Prepared: 27-Dec-10 Analyzed: 28-Dec-10					
Lead	54.0		mg/kg wet	1.50	61.9		87	83.3-116.7		

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026636 - SW846 3010A										
Blank (1026636-BLK1)						Prepared & Analyzed: 22-Dec-10				
Lead	BRL		mg/l	0.0150						
LCS (1026636-BS1)						Prepared & Analyzed: 22-Dec-10				
Lead	2.52		mg/l	0.0150	2.50		101	85-115		
LCS Dup (1026636-BSD1)						Prepared & Analyzed: 22-Dec-10				
Lead	2.49		mg/l	0.0150	2.50		100	85-115	1	20

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026676 - SW846 3010A										
Blank (1026676-BLK1)						Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	BRL		mg/l	0.0150						
LCS (1026676-BS1)						Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	2.72		mg/l	0.0150	2.50		109	85-115		
LCS Dup (1026676-BSD1)						Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	2.73		mg/l	0.0150	2.50		109	85-115	0.1	20
Matrix Spike (1026676-MS1)			Source: SB21972-06			Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	2.53		mg/l	0.0150	2.50	0.0091	101	75-125		
Matrix Spike Dup (1026676-MSD1)			Source: SB21972-06			Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	2.77		mg/l	0.0150	2.50	0.0091	110	75-125	9	20
Post Spike (1026676-PS1)			Source: SB21972-06			Prepared: 22-Dec-10		Analyzed: 27-Dec-10		
Lead	2.75		mg/l	0.0150	2.50	0.0091	109	75-125		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1025474 - General Preparation										
Duplicate (1025474-DUP1)			**Source: SB21972-09**			Prepared & Analyzed: 09-Dec-10				
% Solids	88.1		%			87.9			0.3	20
Batch 1026465 - General Preparation										
Duplicate (1026465-DUP1)			**Source: SB21972-05**			Prepared & Analyzed: 21-Dec-10				
% Solids	88.6		%			86.6			2	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

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

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

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

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S011047					
Calibration Check (S011047-CCV1)					
C9-C36 Aliphatic Hydrocarbons	6.850074E+09	4.055875E+08	-8.7		20
n-Nonadecane	4.195177E+08	3.408135E+08	-18.8		20
n-Nonane	4.076585E+08	3.94929E+08	-3.1		20
n-Decane	4.08862E+08	4.185848E+08	2.4		20
n-Dodecane	4.117274E+08	3.420235E+08	-16.9		20
n-Tetradecane	4.155285E+08	3.403946E+08	-18.1		20
n-Hexadecane	4.203499E+08	3.425141E+08	-18.5		20
n-Octadecane	4.21621E+08	3.461147E+08	-17.9		20
n-Eicosane	4.193316E+08	3.584738E+08	-14.5		20
n-Docosane	4.237473E+08	3.523073E+08	-16.9		20
n-Tetracosane	4.178471E+08	3.471806E+08	-16.9		20
n-Hexacosane	4.22006E+08	3.599583E+08	-14.7		20
n-Octacosane	4.195247E+08	3.675861E+08	-12.4		20
n-Triacontane	4.199855E+08	3.564882E+08	-15.1		20
n-Hexatriacontane	4.055747E+08	2.780742E+08	-31.4	#	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S011047					
Calibration Check (S011047-CCV2)					
C9-C36 Aliphatic Hydrocarbons	6.850074E+09	4.015707E+08	-9.6		20
n-Nonadecane	4.195177E+08	3.504987E+08	-16.5		20
n-Nonane	4.076585E+08	3.471012E+08	-14.9		20
n-Decane	4.08862E+08	4.070537E+08	-0.4		20
n-Dodecane	4.117274E+08	3.532251E+08	-14.2		20
n-Tetradecane	4.155285E+08	4.051993E+08	-2.5		20
n-Hexadecane	4.203499E+08	3.425959E+08	-18.5		20
n-Octadecane	4.21621E+08	3.492981E+08	-17.2		20
n-Eicosane	4.193316E+08	3.511576E+08	-16.3		20
n-Docosane	4.237473E+08	3.536852E+08	-16.5		20
n-Tetracosane	4.178471E+08	3.46733E+08	-17.0		20
n-Hexacosane	4.22006E+08	3.442148E+08	-18.4		20
n-Octacosane	4.195247E+08	3.392217E+08	-19.1		20
n-Triacontane	4.199855E+08	3.759008E+08	-10.5		20
n-Hexatriacontane	4.055747E+08	3.083709E+08	-24.0	#	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S011047				
Calibration Check (S011047-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.850074E+09	4.484203E+08	1.4	20
n-Nonadecane	4.195177E+08	3.541506E+08	-15.6	20
n-Nonane	4.076585E+08	3.59565E+08	-11.8	20
n-Decane	4.08862E+08	3.621174E+08	-11.4	20
n-Dodecane	4.117274E+08	3.662959E+08	-11.0	20
n-Tetradecane	4.155285E+08	3.394139E+08	-18.3	20
n-Hexadecane	4.203499E+08	3.48224E+08	-17.2	20
n-Octadecane	4.21621E+08	3.54366E+08	-16.0	20
n-Eicosane	4.193316E+08	3.556574E+08	-15.2	20
n-Docosane	4.237473E+08	3.602168E+08	-15.0	20
n-Tetracosane	4.178471E+08	3.524298E+08	-15.7	20
n-Hexacosane	4.22006E+08	3.521636E+08	-16.6	20
n-Octacosane	4.195247E+08	3.460225E+08	-17.5	20
n-Triacontane	4.199855E+08	3.426911E+08	-18.4	20
n-Hexatriacontane	4.055747E+08	3.336511E+08	-17.7	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S011447				
Calibration Check (S011447-CCV1)				
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.401691E+08	-14.6	20
n-Nonadecane	3.118836E+08	2.872494E+08	-7.9	20
n-Nonane	3.679696E+08	3.021656E+08	-17.9	20
n-Decane	3.640612E+08	3.270936E+08	-10.2	20
n-Dodecane	3.527321E+08	3.021238E+08	-14.3	20
n-Tetradecane	3.397164E+08	2.866599E+08	-15.6	20
n-Hexadecane	3.314656E+08	2.819089E+08	-15.0	20
n-Octadecane	3.202466E+08	2.880171E+08	-10.1	20
n-Eicosane	3.050734E+08	2.87818E+08	-5.7	20
n-Docosane	2.957869E+08	2.922799E+08	-1.2	20
n-Tetracosane	2.823141E+08	2.886922E+08	2.3	20
n-Hexacosane	2.802135E+08	2.921566E+08	4.3	20
n-Octacosane	2.757143E+08	2.911062E+08	5.6	20
n-Triacontane	2.752591E+08	2.901641E+08	5.4	20
n-Hexatriacontane	2.695419E+08	2.883202E+08	7.0	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S011447				
Calibration Check (S011447-CCV2)				
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.531178E+08	-10.3	20
n-Nonadecane	3.118836E+08	3.016658E+08	-3.3	20
n-Nonane	3.679696E+08	2.97836E+08	-19.1	20
n-Decane	3.640612E+08	3.007059E+08	-17.4	20
n-Dodecane	3.527321E+08	2.905294E+08	-17.6	20
n-Tetradecane	3.397164E+08	2.849543E+08	-16.1	20
n-Hexadecane	3.314656E+08	2.958274E+08	-10.8	20
n-Octadecane	3.202466E+08	3.01556E+08	-5.8	20
n-Eicosane	3.050734E+08	3.024443E+08	-0.9	20
n-Docosane	2.957869E+08	3.080702E+08	4.2	20
n-Tetracosane	2.823141E+08	3.050186E+08	8.0	20
n-Hexacosane	2.802135E+08	3.088506E+08	10.2	20
n-Octacosane	2.757143E+08	3.072435E+08	11.4	20
n-Triacontane	2.752591E+08	3.0767E+08	11.8	20
n-Hexatriacontane	2.695419E+08	3.010047E+08	11.7	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D		Limit
Batch S011447					
Calibration Check (S011447-CCV3)					
C9-C36 Aliphatic Hydrocarbons	8.699852E+09	3.940409E+08	3.4		20
n-Nonadecane	3.118836E+08	3.210783E+08	2.9		20
n-Nonane	3.679696E+08	2.992632E+08	-18.7		20
n-Decane	3.640612E+08	2.95411E+08	-18.9		20
n-Dodecane	3.527321E+08	2.919468E+08	-17.2		20
n-Tetradecane	3.397164E+08	3.032486E+08	-10.7		20
n-Hexadecane	3.314656E+08	3.164096E+08	-4.5		20
n-Octadecane	3.202466E+08	3.213218E+08	0.3		20
n-Eicosane	3.050734E+08	3.212133E+08	5.3		20
n-Docosane	2.957869E+08	3.264751E+08	10.4		20
n-Tetracosane	2.823141E+08	3.229161E+08	14.4		20
n-Hexacosane	2.802135E+08	3.27107E+08	16.7		20
n-Octacosane	2.757143E+08	3.256229E+08	18.1		20
n-Triacontane	2.752591E+08	3.253691E+08	18.2		20
n-Hexatriacontane	2.695419E+08	3.601838E+08	33.6	#	20

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

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

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown		Limit
Batch S010989				
Performance Mix (S010989-PEM1)				
4,4'-DDT (p,p')	1	3.9		15.0
Endrin	1	0.9		15.0
4,4'-DDT (p,p')	2	3.2		15.0
Endrin	2	1.6		15.0
Performance Mix (S010989-PEM2)				
4,4'-DDT (p,p')	1	3.2		15.0
Endrin	1	1.0		15.0
4,4'-DDT (p,p')	2	3.6		15.0
Endrin	2	2.0		15.0
Batch S011025				
Performance Mix (S011025-PEM1)				
4,4'-DDT (p,p')	1	0.4		15.0
Endrin	1	1.5		15.0
4,4'-DDT (p,p')	2	0.6		15.0
Endrin	2	2.9		15.0
Performance Mix (S011025-PEM2)				
4,4'-DDT (p,p')	1	3.0		15.0
Endrin	1	2.2		15.0
4,4'-DDT (p,p')	2	4.1		15.0
Endrin	2	4.1		15.0
Batch S011505				
Performance Mix (S011505-PEM1)				
4,4'-DDT (p,p')	1	2.8		15.0
Endrin	1	6.9		15.0
4,4'-DDT (p,p')	2	6.7		15.0
Endrin	2	12.9		15.0
Performance Mix (S011505-PEM2)				
4,4'-DDT (p,p')	1	5.9		15.0
Endrin	1	3.8		15.0
4,4'-DDT (p,p')	2	7.5		15.0
Endrin	2	8.2		15.0
Performance Mix (S011505-PEM3)				
4,4'-DDT (p,p')	1	4.7		15.0
Endrin	1	7.6		15.0
4,4'-DDT (p,p')	2	14.0		15.0
Endrin	2	16.8	#	15.0

Notes and Definitions

HT2	This sample was received outside the EPA recommended holding time for the analysis specified.
O09	This sample was analyzed outside the EPA recommended holding time per client request.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
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.
R01	The Reporting Limit has been raised to account for matrix interference.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
V11	Data confirmed with duplicate analysis.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Diversified Technology Consultants

Project Location: NBHB - Contract 2 - New Britain, CT

Project Number: 09-188-02E

Sampling Date(s):
12/2/2010 through 12/3/2010

Laboratory Sample ID(s):
SB21972-01 through SB21972-33

RCP Methods Used:

+CT ETPH
SW846 1311
SW846 1311/6010C
SW846 1312
SW846 1312/6010C
SW846 1312/8081B
SW846 6010C
SW846 7471B
SW846 8081B
SW846 8082A
SW846 8260B/C
SW846 8270D

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

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

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

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 12/28/2010

SB 21972 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

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

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

Invoice To: D.T.C.
P.O. No.: RQN: 6955

Project No.: 09-188-02F
Site Name: DBHB- Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
[X] Standard [ ] No QC [ ] DQA*
[ ] NY ASP A* [ ] NY ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] TIER II* [ ] TIER V*
[ ] Other _____
State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials*	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260	ETPH	PAHs 8270	Total As, Cr, Hg, Pb	Chl. Pest. 8081	PCBs 8082
21972-01	B-1 0-2'	12-2	0710	G	SO	3	1			*	*	*	*	*	*
02	B-1 4-6'	12-2	0715			3	1			*	*	*	*		*
03	B-1 8-10'	12-2	0720			3	1								
04	B-2 0-2	12-2	0805			3	1			*	*	*	*	*	*
05	B-2 2-3.5'	12-2	0810			3	1								
06	B-2 4-6'	12-2	0820			3	1			*	*	*	*		*
07	B-2 6-7'	12-2	0825			3	1								
08	B-3 1-3'	12-3	0705			3	1			*	*	*	*	*	*
09	B-3 4-6'	12-3	0710			3	1			*	*	*	*		*
10	B-3 6-8'	12-3	0715			3	1								

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[signature]	[signature]	12/6/10	1653	3.8

[ ] EDD Format _____
[X] E-mail to ethan.stewart@teamdtc.com

[ ] Ambient [ ] Iced [X] Refrigerated [ ] Fridge temp ____ °C [ ] Freezer temp ____ °C

SB 21972 Day

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CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:
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- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: D.T.C.
Telephone #:
Project Mgr. Ethan Stewart

Invoice To: D.T.C.
P.O. No.: RQN: 6955

Project No.: 09-188-02E
Site Name: NBAB - Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrew

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

List preservative code below: 3/9

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

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

State-specific reporting standards:

Lab Id	Sample Id	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC 8260	ETPH	SVOC 8270	Total Arsenic 6020	Chl. Pest. 8081	PCBs 8082			
21972-1	B-3 10-12'	12-3	0720	G	SO	3	1											
12	B-3 12-14'	12-3	0725	↓	↓	3	1			*	*	*	*					
13	B-3 14-16'	12-3	0730			3	1											
14	B-4 0-2'	12-2	0910			3	1			*	*	*	*	*	*			
15	B-4 4-6'	12-2	0920			3	1			*	*	*	*		*			
16	B-5 0-2'	12-2	0940			3	1			*	*	*	*	*	*			
17	B-5 2-3'	12-2	0945			3	1											
18	B-5 4-6'	12-2	0950			3	1			*	*	*	*		*			
19	B-6 0-2'	12-2	1005			3	1			*	*	*	*	*	*			
20	B-6 2-4'	12-2	1010	↓	↓	3	1			*	*	*	*		*			

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[signature]	[signature]	12-6-10	14:35	3.5
[signature]	[signature]	12/6/10	16:30	3.8

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

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

SB21972 EM

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

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

Report To: D.T.C.

Telephone #:

Project Mgr. Ethan Stewart

Invoice To: D.T.C.

P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E

Site Name: NBAB - Contract 2

Location: New Britain State: CT

Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
*additional charges may apply

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

G=Grab C=Composite

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

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

State-specific reporting standards:

Lab Id.	Sample Id.	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260	ETPH	PAHs 8270	As, Cr, Pb Total Pres.	Chl. Pest. 8081	PCBs 8082			
21972-21	B-6 4-5.5'	12-2	1015	G	SO	3	1											
22	B-7 0-2'	12-2	1130			3	1			*	*	*	*	*	*			
23	B-7 2-3'	12-2	1135			3	1											
24	B-7 4-6'	12-2	1145			3	1			*	*	*	*		*			
25	B-7 6-8'	12-2	1150			3	1											
26	B-8 0-2'	12-2	1245			3	1			*	*	*	*	*	*			
27	B-8 4-5'	12-2	1250			3	1			*	*	*	*		*			
28	B-9 0-2.5'	12-2	1340			3	1			*	*	*	*	*	*			
29	B-9 4-6'	12-2	1345			3	1											
30	B-9 6-7'	12-2	1350			3	1			*	*	*	*		*			

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

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CHAIN OF CUSTODY RECORD

Page 4 of 4

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

Report To: D.T.C.

Telephone #:

Project Mgr. Ethan Stewart

Invoice To: D.T.C.

P.O. No.: _____ RQN: 69555

Project No.: 09-188-02E

Site Name: NBHB- Contract 2

Location: New Britain State: CT

Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
*additional charges may apply

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

G=Grab C=Composite

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

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

State-specific reporting standards:

Lab Id.	Sample Id.	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	ETPH	PAHs 8270	As, Cr, Cu Total Hg, Pb	Chl. Pest 8081	PCBs 8082			
19722-9	B-9 8-10'	12-2	1355	G	SO	3	1												
1 35	Duplicate-1	12-2		G	SO	3	1				*	*	*	*	*	*			
1 33	Trip Blank	12-2			X1	3					*								

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[signature]	[signature]	12/6/10	16:30	3.8

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

SB21972 Fyd

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Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

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

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

Invoice To: D.T.C.
P.O. No.: _____ RQN: 6955

Project No.: 09-188-02F
Site Name: NBH B- Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

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

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260	ETPH	PAHs 8270	As, Cr, Cu, Hg, Pb Total	Chl. Pest 8081	PCBs 8082	SVOCs 8270	Cr, Pb, Hg, Ni, Zn Total	
21972-01	B-1 0-2'	12-2	0710	G	SO	3	1			*	*	*	*	*	*			
02	B-1 4-6'	12-2	0715			3	1			*	*	*	*		*			
03	B-1 8-10'	12-2	0720			3	1											
04	B-2 0-2	12-2	0805			3	1			*	*	*	*	*	*	X	X	
05	B-2 2-3.5'	12-2	0810			3	1							X				X
06	B-2 4-6'	12-2	0820			3	1			*	*	*	*		*	X		
07	B-2 6-7'	12-2	0825			3	1											
08	B-3 1-3'	12-3	0705			3	1			*	*	*	*	*	*			
09	B-3 4-6'	12-3	0710			3	1			*	*	*	*		*			
10	B-3 6-8'	12-3	0715			3	1											

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12-6-10	14:51	5.3
[signature]	[signature]	12/6/10	16:30	3.8

- [ ] EDD Format _____
- [x] E-mail to ethan.stewart@ teamdtc.com

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

SB 21972 Dy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

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

Report To: D.T.C.
Telephone #:
Project Mgr. Ethan Stewart

Invoice To: D.T.C.
P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E
Site Name: NBHB - Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
*additional charges may apply

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

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

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

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC 8260	ETPH	PAH 8270	Total Metals	Chl. Pest 8081	PCBs 8082	TCLP + SPLP		
21972 11	B-3 10-12'	12-3	0720	G	SO	3	1												
12	B-3 12-14'	12-3	0725			3	1				*	*	*	*					added Per chat
13	B-3 14-16'	12-3	0730			3	1												Email 12/20/10
14	B-4 0-2'	12-2	0910			3	1				*	*	*	*	*	*			
15	B-4 4-6'	12-2	0920			3	1				*	*	*	*		*			
16	B-5 0-2'	12-2	0940			3	1				*	*	*	*	*	*			
17	B-5 2-3'	12-2	0945			3	1												
18	B-5 4-6'	12-2	0950			3	1				*	*	*	*		*			
19	B-6 0-2'	12-2	1005			3	1				*	*	*	*	*	*			
20	B-6 2-4'	12-2	1010			3	1				*	*	*	*		*	X		

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12-6-10	14:35	5.3
[signature]	[signature]	12/6/10	16:30	3.8

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

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

SB21972 Em

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

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

Report To: D.T.C.

Telephone #:

Project Mgr. Ethan Stewart

Invoice To: D.T.C.

P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E

Site Name: NBAB - Contract 2

Location: New Britain State: CT

Sampler(s): J. Andrew

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

List preservative code below: 7/9

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

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

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs 8260	ETPH	PAHs 8270	PCBs Aroclors 8082	Total Pest.	Chl. Pest. 8081	RCRA 8082	Total Cd	SPLP Pesticides	State-specific reporting standards
21972-21	B-6 4-5.5'	12-2	1015	G	SO	3	1					X					X	X		
22	B-7 0-2'	12-2	1130	↓	↓	3	1				*	*	*	*	*	*	*		X	
23	B-7 2-3'	12-2	1135			3	1									X				Added per email 12/01/10
24	B-7 4-6'	12-2	1145			3	1				*	*	*	*			*			
25	B-7 6-8'	12-2	1150			3	1													
26	B-8 0-2'	12-2	1245			3	1				*	*	*	*	*	*	*			
27	B-8 4-5'	12-2	1250			3	1				*	*	*	*			*			
28	B-9 0-2.5'	12-2	1340			3	1				*	*	*	*	*	*	*		X	
29	B-9 4-6'	12-2	1345			3	1									X				No [illegible]
30	B-9 6-7'	12-2	1350	↓	↓	3	1				*	*	*	*			*			

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12.6.10	1435	5.3
[signature]	[signature]	12/6/10	1630	3.8

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

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

Report Date:
07-Jan-11 15:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: NBHB - Contract 2 - New Britain, CT
Project #: 09-188-02E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB23062-01	B-9/GW	Ground Water	29-Dec-10 13:40	30-Dec-10 14:26

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

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

Authorized by:

Nicole Leja
Laboratory Director

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 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 6.0 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.2 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.

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.

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

EPA 608

Calibration:

S100129-CCV2

The % Difference for this CCV analyte was above the acceptance limits. The data was acceptable per Method SW846-8081B, section 11.5.7 as the analyte was not detected in the associated samples

Alachlor [2C]

Laboratory Control Samples:

1100094 BSD

Methoxychlor RPD 29% (20%) is outside individual acceptance criteria, but within overall method allowances.

1100094-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.

Methoxychlor

Samples:

S100129-CCV1

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

Alachlor [2C] (15.1%)

This affected the following samples:

1100094-BLK1
1100094-BS1
1100094-BS2
1100094-BSD1
1100094-BSD2

S100129-CCV2

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

Alachlor [2C] (25.6%)

This affected the following samples:

1100094-BLK1
1100094-BS1
1100094-BS2
1100094-BSD1
1100094-BSD2

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9/GW	09-188-02E	Ground Water	29-Dec-10 13:40	30-Dec-10
SB23062-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by EPA 625												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	EPA 625	04-Jan-11	05-Jan-11	MSL	1100099	X
208-96-8	Acenaphthylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-d14*	*74*			*30-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides by EPA 608												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL		µg/l	0.021	1	EPA 608	04-Jan-11	05-Jan-11	DS	1100094	X
319-85-7	beta-BHC	BRL		µg/l	0.021	1	"	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/l	0.021	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/l	0.021	1	"	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/l	0.021	1	"	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/l	0.021	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/l	0.021	1	"	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/l	0.021	1	"	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/l	0.021	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/l	0.021	1	"	"	"	"	"	X
72-20-8	Endrin	BRL		µg/l	0.041	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/l	0.041	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/l	0.041	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/l	0.041	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/l	0.041	1	"	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/l	0.041	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/l	0.041	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/l	0.041	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/l	0.021	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/l	0.021	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9/GW	09-188-02E	Ground Water	29-Dec-10 13:40	30-Dec-10
SB23062-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides by EPA 608 Prepared by method SW846 3510C												
8001-35-2	Toxaphene	BRL		µg/l	0.515	1	EPA 608	04-Jan-11	05-Jan-11	DS	1100094	X
57-74-9	Chlordane	BRL		µg/l	0.067	1	"	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/l	0.021	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*47*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*		"	"	"	"	"	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100099 - SW846 3510C										
Blank (1100099-BLK1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
Naphthalene	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*23.1*		µg/l		*50.0*		*46*	*30-130*		
Surrogate: Terphenyl-dl4	*26.6*		µg/l		*50.0*		*53*	*30-130*		
LCS (1100099-BS1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Acenaphthene	29.5		µg/l	5.00	50.0		59	40-140		
Acenaphthylene	29.4		µg/l	5.00	50.0		59	40-140		
Anthracene	26.7		µg/l	5.00	50.0		53	40-140		
Benzo (a) anthracene	29.3		µg/l	5.00	50.0		59	40-140		
Benzo (a) pyrene	29.0		µg/l	5.00	50.0		58	40-140		
Benzo (b) fluoranthene	27.0		µg/l	5.00	50.0		54	40-140		
Benzo (g,h,i) perylene	27.5		µg/l	5.00	50.0		55	40-140		
Benzo (k) fluoranthene	33.8		µg/l	5.00	50.0		68	40-140		
Chrysene	31.0		µg/l	5.00	50.0		62	40-140		
Dibenzo (a,h) anthracene	29.0		µg/l	5.00	50.0		58	40-140		
Fluoranthene	26.0		µg/l	5.00	50.0		52	40-140		
Fluorene	32.1		µg/l	5.00	50.0		64	40-140		
Indeno (1,2,3-cd) pyrene	27.5		µg/l	5.00	50.0		55	40-140		
1-Methylnaphthalene	29.7		µg/l	5.00	50.0		59	40-140		
2-Methylnaphthalene	31.9		µg/l	5.00	50.0		64	40-140		
Naphthalene	27.1		µg/l	5.00	50.0		54	40-140		
Phenanthrene	26.5		µg/l	5.00	50.0		53	40-140		
Pyrene	27.9		µg/l	5.00	50.0		56	40-140		
Surrogate: 2-Fluorobiphenyl	*32.2*		µg/l		*50.0*		*64*	*30-130*		
Surrogate: Terphenyl-dl4	*29.2*		µg/l		*50.0*		*58*	*30-130*		
LCS Dup (1100099-BSD1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Acenaphthene	32.7		µg/l	5.00	50.0		65	40-140	10	200
Acenaphthylene	31.2		µg/l	5.00	50.0		62	40-140	6	200
Anthracene	30.0		µg/l	5.00	50.0		60	40-140	12	200
Benzo (a) anthracene	30.6		µg/l	5.00	50.0		61	40-140	4	200
Benzo (a) pyrene	30.6		µg/l	5.00	50.0		61	40-140	5	200
Benzo (b) fluoranthene	30.3		µg/l	5.00	50.0		61	40-140	12	200
Benzo (g,h,i) perylene	28.8		µg/l	5.00	50.0		58	40-140	5	200
Benzo (k) fluoranthene	34.6		µg/l	5.00	50.0		69	40-140	2	200
Chrysene	34.9		µg/l	5.00	50.0		70	40-140	12	200

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100099 - SW846 3510C										
LCS Dup (1100099-BSD1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Dibenzo (a,h) anthracene	31.4		µg/l	5.00	50.0		63	40-140	8	200
Fluoranthene	30.3		µg/l	5.00	50.0		61	40-140	15	200
Fluorene	33.2		µg/l	5.00	50.0		66	40-140	3	200
Indeno (1,2,3-cd) pyrene	29.6		µg/l	5.00	50.0		59	40-140	8	200
1-Methylnaphthalene	31.2		µg/l	5.00	50.0		62	40-140	5	200
2-Methylnaphthalene	35.6		µg/l	5.00	50.0		71	40-140	11	200
Naphthalene	30.7		µg/l	5.00	50.0		61	40-140	12	200
Phenanthrene	30.2		µg/l	5.00	50.0		60	40-140	13	200
Pyrene	32.4		µg/l	5.00	50.0		65	40-140	15	200
Surrogate: 2-Fluorobiphenyl	*31.6*		µg/l		*50.0*		*63*	*30-130*		
Surrogate: Terphenyl-dl4	*30.0*		µg/l		*50.0*		*60*	*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 1100094 - SW846 3510C										
Blank (1100094-BLK1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
alpha-BHC	BRL		µg/l	0.020						
alpha-BHC [2C]	BRL		µg/l	0.020						
beta-BHC	BRL		µg/l	0.020						
beta-BHC [2C]	BRL		µg/l	0.020						
delta-BHC	BRL		µg/l	0.020						
delta-BHC [2C]	BRL		µg/l	0.020						
gamma-BHC (Lindane)	BRL		µg/l	0.020						
gamma-BHC (Lindane) [2C]	BRL		µg/l	0.020						
Heptachlor	BRL		µg/l	0.020						
Heptachlor [2C]	BRL		µg/l	0.020						
Aldrin	BRL		µg/l	0.020						
Aldrin [2C]	BRL		µg/l	0.020						
Heptachlor epoxide	BRL		µg/l	0.020						
Heptachlor epoxide [2C]	BRL		µg/l	0.020						
Endosulfan I	BRL		µg/l	0.020						
Endosulfan I [2C]	BRL		µg/l	0.020						
Dieldrin	BRL		µg/l	0.020						
Dieldrin [2C]	BRL		µg/l	0.020						
4,4'-DDE (p,p')	BRL		µg/l	0.020						
4,4'-DDE (p,p') [2C]	BRL		µg/l	0.020						
Endrin	BRL		µg/l	0.040						
Endrin [2C]	BRL		µg/l	0.040						
Endosulfan II	BRL		µg/l	0.040						
Endosulfan II [2C]	BRL		µg/l	0.040						
4,4'-DDD (p,p')	BRL		µg/l	0.040						
4,4'-DDD (p,p') [2C]	BRL		µg/l	0.040						
Endosulfan sulfate	BRL		µg/l	0.040						
Endosulfan sulfate [2C]	BRL		µg/l	0.040						
4,4'-DDT (p,p')	BRL		µg/l	0.040						
4,4'-DDT (p,p') [2C]	BRL		µg/l	0.040						
Methoxychlor	BRL		µg/l	0.040						
Methoxychlor [2C]	BRL		µg/l	0.040						
Endrin ketone	BRL		µg/l	0.040						
Endrin ketone [2C]	BRL		µg/l	0.040						
Endrin aldehyde	BRL		µg/l	0.040						
Endrin aldehyde [2C]	BRL		µg/l	0.040						
alpha-Chlordane	BRL		µg/l	0.020						
alpha-Chlordane [2C]	BRL		µg/l	0.020						
gamma-Chlordane	BRL		µg/l	0.020						
gamma-Chlordane [2C]	BRL		µg/l	0.020						
Toxaphene	BRL		µg/l	0.500						
Toxaphene [2C]	BRL		µg/l	0.500						
Chlordane	BRL		µg/l	0.065						
Chlordane [2C]	BRL		µg/l	0.065						
Alachlor	BRL		µg/l	0.020						
Alachlor [2C]	BRL		µg/l	0.020						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.199*		µg/l		*0.200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.168*		µg/l		*0.200*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.174*		µg/l		*0.200*		*87*	*30-150*		
LCS (1100094-BS1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100094 - SW846 3510C										
LCS (1100094-BS1)						Prepared: 04-Jan-11 Analyzed: 05-Jan-11				
alpha-BHC	0.483		µg/l	0.020	0.500		97	40-140		
alpha-BHC [2C]	0.508		µg/l	0.020	0.500		102	40-140		
beta-BHC	0.461		µg/l	0.020	0.500		92	40-140		
beta-BHC [2C]	0.500		µg/l	0.020	0.500		100	40-140		
delta-BHC	0.411		µg/l	0.020	0.500		82	40-140		
delta-BHC [2C]	0.436		µg/l	0.020	0.500		87	40-140		
gamma-BHC (Lindane)	0.484		µg/l	0.020	0.500		97	50-120		
gamma-BHC (Lindane) [2C]	0.512		µg/l	0.020	0.500		102	50-120		
Heptachlor	0.511		µg/l	0.020	0.500		102	40-140		
Heptachlor [2C]	0.537		µg/l	0.020	0.500		107	40-140		
Aldrin	0.447		µg/l	0.020	0.500		89	40-140		
Aldrin [2C]	0.486		µg/l	0.020	0.500		97	40-140		
Heptachlor epoxide	0.445		µg/l	0.020	0.500		89	50-140		
Heptachlor epoxide [2C]	0.496		µg/l	0.020	0.500		99	50-140		
Endosulfan I	0.451		µg/l	0.020	0.500		90	40-140		
Endosulfan I [2C]	0.519		µg/l	0.020	0.500		104	40-140		
Dieldrin	0.452		µg/l	0.020	0.500		90	40-130		
Dieldrin [2C]	0.519		µg/l	0.020	0.500		104	40-130		
4,4'-DDE (p,p')	0.441		µg/l	0.020	0.500		88	50-140		
4,4'-DDE (p,p') [2C]	0.498		µg/l	0.020	0.500		100	50-140		
Endrin	0.505		µg/l	0.040	0.500		101	50-120		
Endrin [2C]	0.599		µg/l	0.040	0.500		120	50-120		
Endosulfan II	0.441		µg/l	0.040	0.500		88	40-140		
Endosulfan II [2C]	0.517		µg/l	0.040	0.500		103	40-140		
4,4'-DDD (p,p')	0.437		µg/l	0.040	0.500		87	40-140		
4,4'-DDD (p,p') [2C]	0.524		µg/l	0.040	0.500		105	40-140		
Endosulfan sulfate	0.407		µg/l	0.040	0.500		81	50-120		
Endosulfan sulfate [2C]	0.488		µg/l	0.040	0.500		98	50-120		
4,4'-DDT (p,p')	0.431		µg/l	0.040	0.500		86	40-140		
4,4'-DDT (p,p') [2C]	0.448		µg/l	0.040	0.500		90	40-140		
Methoxychlor	0.540		µg/l	0.040	0.500		108	40-140		
Methoxychlor [2C]	0.460		µg/l	0.040	0.500		92	40-140		
Endrin ketone	0.394		µg/l	0.040	0.500		79	40-140		
Endrin ketone [2C]	0.483		µg/l	0.040	0.500		97	40-140		
Endrin aldehyde	0.378		µg/l	0.040	0.500		76	40-140		
Endrin aldehyde [2C]	0.422		µg/l	0.040	0.500		84	40-140		
alpha-Chlordane	0.413		µg/l	0.020	0.500		83	40-140		
alpha-Chlordane [2C]	0.447		µg/l	0.020	0.500		89	40-140		
gamma-Chlordane	0.417		µg/l	0.020	0.500		83	40-130		
gamma-Chlordane [2C]	0.475		µg/l	0.020	0.500		95	40-130		
Alachlor	0.495		µg/l	0.020	0.500		99	40-140		
Alachlor [2C]	0.540		µg/l	0.020	0.500		108	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.195*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/l		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.201*		µg/l		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.187*		µg/l		*0.200*		*93*	*30-150*		
LCS (1100094-BS2)						Prepared: 04-Jan-11 Analyzed: 05-Jan-11				
alpha-BHC	0.513		µg/l	0.020	0.500		103	40-140		
alpha-BHC [2C]	0.500		µg/l	0.020	0.500		100	40-140		
beta-BHC	0.498		µg/l	0.020	0.500		100	40-140		
beta-BHC [2C]	0.482		µg/l	0.020	0.500		96	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 1100094 - SW846 3510C										
LCS (1100094-BS2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
delta-BHC	0.440		µg/l	0.020	0.500		88	40-140		
delta-BHC [2C]	0.433		µg/l	0.020	0.500		87	40-140		
gamma-BHC (Lindane)	0.517		µg/l	0.020	0.500		103	50-120		
gamma-BHC (Lindane) [2C]	0.504		µg/l	0.020	0.500		101	50-120		
Heptachlor	0.540		µg/l	0.020	0.500		108	40-140		
Heptachlor [2C]	0.527		µg/l	0.020	0.500		105	40-140		
Aldrin	0.480		µg/l	0.020	0.500		96	40-140		
Aldrin [2C]	0.476		µg/l	0.020	0.500		95	40-140		
Heptachlor epoxide	0.487		µg/l	0.020	0.500		97	50-140		
Heptachlor epoxide [2C]	0.487		µg/l	0.020	0.500		97	50-140		
Endosulfan I	0.495		µg/l	0.020	0.500		99	40-140		
Endosulfan I [2C]	0.505		µg/l	0.020	0.500		101	40-140		
Dieldrin	0.490		µg/l	0.020	0.500		98	40-130		
Dieldrin [2C]	0.507		µg/l	0.020	0.500		101	40-130		
4,4'-DDE (p,p')	0.482		µg/l	0.020	0.500		96	50-140		
4,4'-DDE (p,p') [2C]	0.486		µg/l	0.020	0.500		97	50-140		
Endrin	0.541		µg/l	0.040	0.500		108	50-120		
Endrin [2C]	0.590		µg/l	0.040	0.500		118	50-120		
Endosulfan II	0.482		µg/l	0.040	0.500		96	40-140		
Endosulfan II [2C]	0.494		µg/l	0.040	0.500		99	40-140		
4,4'-DDD (p,p')	0.477		µg/l	0.040	0.500		95	40-140		
4,4'-DDD (p,p') [2C]	0.504		µg/l	0.040	0.500		101	40-140		
Endosulfan sulfate	0.446		µg/l	0.040	0.500		89	50-120		
Endosulfan sulfate [2C]	0.480		µg/l	0.040	0.500		96	50-120		
4,4'-DDT (p,p')	0.467		µg/l	0.040	0.500		93	40-140		
4,4'-DDT (p,p') [2C]	0.440		µg/l	0.040	0.500		88	40-140		
Methoxychlor	0.496		µg/l	0.040	0.500		99	40-140		
Methoxychlor [2C]	0.452		µg/l	0.040	0.500		90	40-140		
Endrin ketone	0.432		µg/l	0.040	0.500		86	40-140		
Endrin ketone [2C]	0.473		µg/l	0.040	0.500		95	40-140		
Endrin aldehyde	0.410		µg/l	0.040	0.500		82	40-140		
Endrin aldehyde [2C]	0.410		µg/l	0.040	0.500		82	40-140		
alpha-Chlordane	0.447		µg/l	0.020	0.500		89	40-140		
alpha-Chlordane [2C]	0.424		µg/l	0.020	0.500		85	40-140		
gamma-Chlordane	0.457		µg/l	0.020	0.500		91	40-130		
gamma-Chlordane [2C]	0.465		µg/l	0.020	0.500		93	40-130		
Alachlor	0.532		µg/l	0.020	0.500		106	40-140		
Alachlor [2C]	0.530		µg/l	0.020	0.500		106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.209*		µg/l		*0.200*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.182*		µg/l		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.180*		µg/l		*0.200*		*90*	*30-150*		
LCS Dup (1100094-BSD1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
alpha-BHC	0.501		µg/l	0.020	0.500		100	40-140	4	20
alpha-BHC [2C]	0.478		µg/l	0.020	0.500		96	40-140	6	20
beta-BHC	0.484		µg/l	0.020	0.500		97	40-140	5	20
beta-BHC [2C]	0.474		µg/l	0.020	0.500		95	40-140	5	20
delta-BHC	0.421		µg/l	0.020	0.500		84	40-140	2	20
delta-BHC [2C]	0.417		µg/l	0.020	0.500		83	40-140	5	20
gamma-BHC (Lindane)	0.502		µg/l	0.020	0.500		100	50-120	4	20
gamma-BHC (Lindane) [2C]	0.483		µg/l	0.020	0.500		97	50-120	6	20

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100094 - SW846 3510C										
LCS Dup (1100094-BSD1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Heptachlor	0.529		µg/l	0.020	0.500		106	40-140	3	20
Heptachlor [2C]	0.507		µg/l	0.020	0.500		101	40-140	6	20
Aldrin	0.465		µg/l	0.020	0.500		93	40-140	4	20
Aldrin [2C]	0.459		µg/l	0.020	0.500		92	40-140	6	20
Heptachlor epoxide	0.469		µg/l	0.020	0.500		94	50-140	5	20
Heptachlor epoxide [2C]	0.474		µg/l	0.020	0.500		95	50-140	5	20
Endosulfan I	0.475		µg/l	0.020	0.500		95	40-140	5	20
Endosulfan I [2C]	0.491		µg/l	0.020	0.500		98	40-140	5	20
Dieldrin	0.466		µg/l	0.020	0.500		93	40-130	3	20
Dieldrin [2C]	0.494		µg/l	0.020	0.500		99	40-130	5	20
4,4'-DDE (p,p')	0.458		µg/l	0.020	0.500		92	50-140	4	20
4,4'-DDE (p,p') [2C]	0.469		µg/l	0.020	0.500		94	50-140	6	20
Endrin	0.516		µg/l	0.040	0.500		103	50-120	2	20
Endrin [2C]	0.562		µg/l	0.040	0.500		112	50-120	6	20
Endosulfan II	0.457		µg/l	0.040	0.500		91	40-140	4	20
Endosulfan II [2C]	0.491		µg/l	0.040	0.500		98	40-140	5	20
4,4'-DDD (p,p')	0.456		µg/l	0.040	0.500		91	40-140	4	20
4,4'-DDD (p,p') [2C]	0.497		µg/l	0.040	0.500		99	40-140	5	20
Endosulfan sulfate	0.419		µg/l	0.040	0.500		84	50-120	3	20
Endosulfan sulfate [2C]	0.463		µg/l	0.040	0.500		93	50-120	5	20
4,4'-DDT (p,p')	0.418		µg/l	0.040	0.500		84	40-140	3	20
4,4'-DDT (p,p') [2C]	0.422		µg/l	0.040	0.500		84	40-140	6	20
Methoxychlor	0.404	QR2	µg/l	0.040	0.500		81	40-140	29	20
Methoxychlor [2C]	0.420		µg/l	0.040	0.500		84	40-140	9	20
Endrin ketone	0.403		µg/l	0.040	0.500		81	40-140	2	20
Endrin ketone [2C]	0.457		µg/l	0.040	0.500		91	40-140	5	20
Endrin aldehyde	0.390		µg/l	0.040	0.500		78	40-140	3	20
Endrin aldehyde [2C]	0.396		µg/l	0.040	0.500		79	40-140	6	20
alpha-Chlordane	0.438		µg/l	0.020	0.500		88	40-140	6	20
alpha-Chlordane [2C]	0.430		µg/l	0.020	0.500		86	40-140	4	20
gamma-Chlordane	0.440		µg/l	0.020	0.500		88	40-130	5	20
gamma-Chlordane [2C]	0.452		µg/l	0.020	0.500		90	40-130	5	20
Alachlor	0.518		µg/l	0.020	0.500		104	40-140	4	20
Alachlor [2C]	0.534		µg/l	0.020	0.500		107	40-140	1	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.209*		µg/l		*0.200*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.191*		µg/l		*0.200*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.166*		µg/l		*0.200*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.176*		µg/l		*0.200*		*88*	*30-150*		
LCS Dup (1100094-BSD2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
alpha-BHC	0.490		µg/l	0.020	0.500		98	40-140	5	20
alpha-BHC [2C]	0.472		µg/l	0.020	0.500		94	40-140	6	20
beta-BHC	0.476		µg/l	0.020	0.500		95	40-140	4	20
beta-BHC [2C]	0.459		µg/l	0.020	0.500		92	40-140	5	20
delta-BHC	0.414		µg/l	0.020	0.500		83	40-140	6	20
delta-BHC [2C]	0.405		µg/l	0.020	0.500		81	40-140	7	20
gamma-BHC (Lindane)	0.492		µg/l	0.020	0.500		98	50-120	5	20
gamma-BHC (Lindane) [2C]	0.476		µg/l	0.020	0.500		95	50-120	6	20
Heptachlor	0.516		µg/l	0.020	0.500		103	40-140	5	20
Heptachlor [2C]	0.500		µg/l	0.020	0.500		100	40-140	5	20
Aldrin	0.457		µg/l	0.020	0.500		91	40-140	5	20
Aldrin [2C]	0.453		µg/l	0.020	0.500		91	40-140	5	20

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100094 - SW846 3510C										
LCS Dup (1100094-BSD2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Heptachlor epoxide	0.458		µg/l	0.020	0.500		92	50-140	6	20
Heptachlor epoxide [2C]	0.464		µg/l	0.020	0.500		93	50-140	5	20
Endosulfan I	0.470		µg/l	0.020	0.500		94	40-140	5	20
Endosulfan I [2C]	0.483		µg/l	0.020	0.500		97	40-140	4	20
Dieldrin	0.467		µg/l	0.020	0.500		93	40-130	5	20
Dieldrin [2C]	0.483		µg/l	0.020	0.500		97	40-130	5	20
4,4'-DDE (p,p')	0.458		µg/l	0.020	0.500		92	50-140	5	20
4,4'-DDE (p,p') [2C]	0.461		µg/l	0.020	0.500		92	50-140	5	20
Endrin	0.516		µg/l	0.040	0.500		103	50-120	5	20
Endrin [2C]	0.548		µg/l	0.040	0.500		110	50-120	7	20
Endosulfan II	0.468		µg/l	0.040	0.500		94	40-140	3	20
Endosulfan II [2C]	0.474		µg/l	0.040	0.500		95	40-140	4	20
4,4'-DDD (p,p')	0.462		µg/l	0.040	0.500		92	40-140	3	20
4,4'-DDD (p,p') [2C]	0.478		µg/l	0.040	0.500		96	40-140	5	20
Endosulfan sulfate	0.437		µg/l	0.040	0.500		87	50-120	2	20
Endosulfan sulfate [2C]	0.457		µg/l	0.040	0.500		91	50-120	5	20
4,4'-DDT (p,p')	0.443		µg/l	0.040	0.500		89	40-140	5	20
4,4'-DDT (p,p') [2C]	0.417		µg/l	0.040	0.500		83	40-140	5	20
Methoxychlor	0.435		µg/l	0.040	0.500		87	40-140	13	20
Methoxychlor [2C]	0.421		µg/l	0.040	0.500		84	40-140	7	20
Endrin ketone	0.430		µg/l	0.040	0.500		86	40-140	0.3	20
Endrin ketone [2C]	0.455		µg/l	0.040	0.500		91	40-140	4	20
Endrin aldehyde	0.405		µg/l	0.040	0.500		81	40-140	1	20
Endrin aldehyde [2C]	0.392		µg/l	0.040	0.500		78	40-140	4	20
alpha-Chlordane	0.433		µg/l	0.020	0.500		87	40-140	3	20
alpha-Chlordane [2C]	0.414		µg/l	0.020	0.500		83	40-140	2	20
gamma-Chlordane	0.436		µg/l	0.020	0.500		87	40-130	5	20
gamma-Chlordane [2C]	0.443		µg/l	0.020	0.500		89	40-130	5	20
Alachlor	0.500		µg/l	0.020	0.500		100	40-140	6	20
Alachlor [2C]	0.525		µg/l	0.020	0.500		105	40-140	1	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.201*		µg/l		*0.200*		*101*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.187*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.195*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.177*		µg/l		*0.200*		*89*	*30-150*		

Semivolatile Organic Compounds by GC - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S100129			
Performance Mix (S100129-PEM1)			
4,4'-DDT (p,p')	1	1.4	20.0
Endrin	1	1.0	20.0
4,4'-DDT (p,p')	2	3.5	20.0
Endrin	2	4.4	20.0
Performance Mix (S100129-PEM2)			
4,4'-DDT (p,p')	1	7.4	20.0
Endrin	1	2.1	20.0
4,4'-DDT (p,p')	2	5.2	20.0
Endrin	2	4.0	20.0

Notes and Definitions

DC12	The % Difference for this CCV analyte was above the acceptance limits. The data was acceptable per Method SW846-8081B, section 11.5.7 as the analyte was not detected in the associated samples
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.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

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

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

SB 23062 e

SPECTRUM ANALYTICAL, INC.
Partnering
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Invoice To: D.T.C.
P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E
Site Name: NBHB - Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrew

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

List preservative code below:

QA/QC Reporting Notes: (check as needed)

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

G=Grab C=Composite

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

Analyses: PAHs 625; Chl. Pest 608

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PAHs 625	Chl. Pest 608						
2346261	B-9/GW	12-29	1340	G	GW		2				X	X						

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	12/30/10	11:25	6.0
[signature]	[signature]	12-30-10	2:26	1.7

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

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

Report Date:
21-Dec-10 15:51

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Project: NBHB - Contract 2 - New Britain, CT
Project #: 09-188-02E

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB22327-01	B-9/GW	Ground Water	10-Dec-10 10:25	13-Dec-10 16:21
SB22327-02	Duplicate 2	Ground Water	10-Dec-10 00:00	13-Dec-10 16:21
SB22327-03	Field Blank	Deionized Water	10-Dec-10 11:10	13-Dec-10 16:21
SB22327-04	Trip Blank	Deionized Water	10-Dec-10 00:00	13-Dec-10 16:21

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

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

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 23 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

CASE NARRATIVE:

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

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

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

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

Samples:

SB22327-01 *B-9/GW*

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

Non-polar material (SGT-HEM)

SB22327-02 *Duplicate 2*

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

Non-polar material (SGT-HEM)

SB22327-03 *Field Blank*

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

Non-polar material (SGT-HEM)

EPA 200.7

Duplicates:

1026084-DUP1 *Source: SB22327-01*

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

Arsenic

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

Zinc

Samples:

SB22327-01 *B-9/GW*

Data confirmed with duplicate analysis.

Barium
Zinc

EPA 624

Calibration:

1012004

EPA 624

Calibration:

1012004

Analyte quantified by quadratic equation type calibration.

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

This affected the following samples:

1026238-BLK1
1026238-BS1
1026238-BSD1
1026238-MS1
1026238-MSD1
B-9/GW
Duplicate 2
S010674-ICV1
S011298-CCV1

Samples:

S011298-CCV1

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

Bromomethane (-31.2%)

This affected the following samples:

1026238-BLK1
1026238-BS1
1026238-BSD1
1026238-MS1
1026238-MSD1
B-9/GW
Duplicate 2

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9/GW	09-188-02E	Ground Water	10-Dec-10 10:25	13-Dec-10
SB22327-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	17-Dec-10	17-Dec-10	naa	1026238	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*			*70-130 %*		"	"	"	"	"	

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9/GW	09-188-02E	Ground Water	10-Dec-10 10:25	13-Dec-10
SB22327-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preservec		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	0.0070		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	0.200		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	0.0170		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	0.0448		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	0.0188		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0872		mg/l	0.0050	1	"	"	"	"	"	X
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			EDT	1026012	
Soluble Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0050	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-39-3	Barium	0.297	V11	mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	16-Dec-10	17-Dec-10	"	1026106	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026107	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026106	X
7440-66-6	Zinc	0.277	V11	mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate 2	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10
SB22327-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	17-Dec-10	17-Dec-10	naa	1026238	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Duplicate 2	09-188-02E	Ground Water	10-Dec-10 00:00	13-Dec-10
SB22327-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preservec		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	0.0074		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	0.260		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	0.0234		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	0.0712		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	0.0270		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.143		mg/l	0.0050	1	"	"	"	"	"	X
Soluble Metals by EPA 200/6000 Series Methods												
	Filtration	Field Filtered		N/A		1	EPA 200.7/3005A/6010			EDT	1026012	
Soluble Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0050	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026106	X
7440-39-3	Barium	0.194		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	16-Dec-10	17-Dec-10	"	1026106	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026107	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026106	X
7440-66-6	Zinc	0.0464		mg/l	0.0100	1	"	21-Dec-10	21-Dec-10	"	1026536	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Field Blank	09-188-02E	Deionized Water	10-Dec-10 11:10	13-Dec-10
SB22327-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	16-Dec-10	17-Dec-10	na	1026134	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Field Blank	09-188-02E	Deionized Water	10-Dec-10 11:10	13-Dec-10
SB22327-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
	Non-polar material (SGT-HEM)	BRL		mg/l	1.0	1	EPA 1664 Rev. A	15-Dec-10	16-Dec-10	JK	1025966	X
Total Metals by EPA 200/6000 Series Methods												
	Preservation	Field Preservec		N/A		1	EPA 200/6000 methods	14-Dec-10	14-Dec-10	JS	1025932	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	EPA 200.7	16-Dec-10	17-Dec-10	HB	1026084	X
7440-39-3	Barium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7440-50-8	Copper	BRL		mg/l	0.0050	1	"	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	EPA 245.1/7470A	"	17-Dec-10	ARF	1026085	X
7439-92-1	Lead	BRL		mg/l	0.0075	1	EPA 200.7	"	17-Dec-10	HB	1026084	X
7440-66-6	Zinc	0.0647		mg/l	0.0050	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	09-188-02E	Deionized Water	10-Dec-10 00:00	13-Dec-10
SB22327-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds by GCMS												
Prepared by method SW846 5030 Water MS												
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 624	16-Dec-10	17-Dec-10	na	1026134	
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*		"	"	"	"	"	

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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 1026134 - SW846 5030 Water MS										
Blank (1026134-BLK1)					Prepared & Analyzed: 16-Dec-10					
Acetone	BRL		µg/l	10.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*28.3*		µg/l		*30.0*		*94*	*70-130*		
LCS (1026134-BS1)						Prepared & Analyzed: 16-Dec-10				
Acetone	23.6		µg/l		20.0		118	70-130		
Benzene	19.1		µg/l		20.0		96	70-130		
Bromodichloromethane	17.7		µg/l		20.0		88	35-155		
Bromoform	15.5		µg/l		20.0		78	45-169		
Bromomethane	21.2		µg/l		20.0		106	1-242		
2-Butanone (MEK)	17.6		µg/l		20.0		88	70-130		
Carbon tetrachloride	16.6		µg/l		20.0		83	70-140		

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
Blank (1026238-BLK1)						Prepared & Analyzed: 17-Dec-10				
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*26.8*		µg/l		*30.0*		*89*	*70-130*		
LCS (1026238-BS1)						Prepared & Analyzed: 17-Dec-10				
Acetone	15.9		µg/l		20.0		80	70-130		
Benzene	18.5		µg/l		20.0		93	70-130		
Bromodichloromethane	19.2		µg/l		20.0		96	35-155		
Bromoform	16.6		µg/l		20.0		83	45-169		
Bromomethane	15.2		µg/l		20.0		76	1-242		
2-Butanone (MEK)	21.6		µg/l		20.0		108	70-130		
Carbon tetrachloride	17.8		µg/l		20.0		89	70-140		
Chlorobenzene	16.8		µg/l		20.0		84	70-130		
Chloroethane	17.8		µg/l		20.0		89	14-230		
Chloroform	18.0		µg/l		20.0		90	51-138		
Chloromethane	14.5		µg/l		20.0		72	1-273		
Dibromochloromethane	18.0		µg/l		20.0		90	53-149		
1,2-Dichlorobenzene	19.1		µg/l		20.0		95	18-190		
1,3-Dichlorobenzene	17.4		µg/l		20.0		87	59-156		
1,4-Dichlorobenzene	18.1		µg/l		20.0		91	18-190		
1,1-Dichloroethane	17.3		µg/l		20.0		86	59-155		
1,2-Dichloroethane	18.5		µg/l		20.0		93	49-155		
1,1-Dichloroethene	18.3		µg/l		20.0		91	70-130		
cis-1,2-Dichloroethene	17.4		µg/l		20.0		87	70-130		
trans-1,2-Dichloroethene	16.9		µg/l		20.0		84	54-156		
1,2-Dichloropropane	18.2		µg/l		20.0		91	1-210		
cis-1,3-Dichloropropene	20.9		µg/l		20.0		104	1-227		
trans-1,3-Dichloropropene	21.9		µg/l		20.0		109	17-183		
Ethylbenzene	18.5		µg/l		20.0		93	37-162		
2-Hexanone (MBK)	21.2		µg/l		20.0		106	70-130		
Methyl tert-butyl ether	24.7		µg/l		20.0		123	70-130		
4-Methyl-2-pentanone (MIBK)	23.8		µg/l		20.0		119	70-130		

Volatile Organic Compounds - Quality Control

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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
LCS Dup (1026238-BSD1)					Prepared & Analyzed: 17-Dec-10					
Trichloroethene	19.2		µg/l		20.0		96	71-157	6	30
Trichlorofluoromethane (Freon 11)	18.4		µg/l		20.0		92	17-181	5	30
Vinyl chloride	19.4		µg/l		20.0		97	1-251	19	30
m,p-Xylene	38.0		µg/l		40.0		95	70-130	0.8	30
o-Xylene	19.0		µg/l		20.0		95	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/l		*30.0*		*96*	*70-130*		
Matrix Spike (1026238-MS1)			**Source: SB22327-01**		Prepared & Analyzed: 17-Dec-10					
Benzene	21.1		µg/l		20.0	BRL	106	70-130		
Bromodichloromethane	21.5		µg/l		20.0	BRL	108	35-155		
Bromoform	17.4		µg/l		20.0	BRL	87	45-169		
Bromomethane	14.8		µg/l		20.0	BRL	74	1-242		
Carbon tetrachloride	21.4		µg/l		20.0	BRL	107	70-140		
Chlorobenzene	19.5		µg/l		20.0	BRL	98	70-130		
Chloroethane	20.6		µg/l		20.0	BRL	103	14-230		
Chloroform	20.7		µg/l		20.0	BRL	104	51-138		
Chloromethane	16.0		µg/l		20.0	BRL	80	1-273		
Dibromochloromethane	19.6		µg/l		20.0	BRL	98	53-149		
1,2-Dichlorobenzene	21.0		µg/l		20.0	BRL	105	18-190		
1,3-Dichlorobenzene	19.6		µg/l		20.0	BRL	98	59-156		
1,4-Dichlorobenzene	20.8		µg/l		20.0	BRL	104	18-190		
1,1-Dichloroethane	20.5		µg/l		20.0	BRL	102	59-155		
1,2-Dichloroethane	20.0		µg/l		20.0	BRL	100	49-155		
1,1-Dichloroethene	20.9		µg/l		20.0	BRL	104	70-130		
trans-1,2-Dichloroethene	20.2		µg/l		20.0	BRL	101	54-156		
1,2-Dichloropropane	20.4		µg/l		20.0	BRL	102	1-210		
cis-1,3-Dichloropropene	23.0		µg/l		20.0	BRL	115	1-227		
trans-1,3-Dichloropropene	23.4		µg/l		20.0	BRL	117	17-183		
Ethylbenzene	22.1		µg/l		20.0	BRL	110	37-162		
Methylene chloride	20.1		µg/l		20.0	BRL	101	1-221		
1,1,2,2-Tetrachloroethane	19.7		µg/l		20.0	BRL	99	46-157		
Tetrachloroethene	20.6		µg/l		20.0	BRL	103	64-148		
Toluene	20.8		µg/l		20.0	BRL	104	70-130		
1,1,1-Trichloroethane	23.8		µg/l		20.0	BRL	119	52-162		
1,1,2-Trichloroethane	21.5		µg/l		20.0	BRL	107	52-150		
Trichloroethene	21.3		µg/l		20.0	BRL	106	71-157		
Trichlorofluoromethane (Freon 11)	20.0		µg/l		20.0	BRL	100	17-181		
Vinyl chloride	19.9		µg/l		20.0	BRL	99	1-251		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/l		*30.0*		*98*	*70-130*		
Matrix Spike Dup (1026238-MSD1)			**Source: SB22327-01**		Prepared & Analyzed: 17-Dec-10					
Benzene	21.2		µg/l		20.0	BRL	106	70-130	0.5	30
Bromodichloromethane	22.7		µg/l		20.0	BRL	114	35-155	5	30
Bromoform	18.2		µg/l		20.0	BRL	91	45-169	4	30
Bromomethane	14.9		µg/l		20.0	BRL	75	1-242	0.8	30
Carbon tetrachloride	22.7		µg/l		20.0	BRL	114	70-140	6	30
Chlorobenzene	19.2		µg/l		20.0	BRL	96	70-130	2	30

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026238 - SW846 5030 Water MS										
Matrix Spike Dup (1026238-MSD1)			**Source: SB22327-01**		Prepared & Analyzed: 17-Dec-10					
Chloroethane	20.8		µg/l		20.0	BRL	104	14-230	0.8	30
Chloroform	21.7		µg/l		20.0	BRL	108	51-138	5	30
Chloromethane	16.5		µg/l		20.0	BRL	83	1-273	3	30
Dibromochloromethane	20.2		µg/l		20.0	BRL	101	53-149	3	30
1,2-Dichlorobenzene	20.3		µg/l		20.0	BRL	101	18-190	4	30
1,3-Dichlorobenzene	19.3		µg/l		20.0	BRL	96	59-156	2	30
1,4-Dichlorobenzene	20.0		µg/l		20.0	BRL	100	18-190	4	30
1,1-Dichloroethane	21.3		µg/l		20.0	BRL	107	59-155	4	30
1,2-Dichloroethane	20.5		µg/l		20.0	BRL	103	49-155	3	30
1,1-Dichloroethene	21.0		µg/l		20.0	BRL	105	70-130	0.7	30
trans-1,2-Dichloroethene	20.3		µg/l		20.0	BRL	102	54-156	0.4	30
1,2-Dichloropropane	21.1		µg/l		20.0	BRL	106	1-210	3	30
cis-1,3-Dichloropropene	23.6		µg/l		20.0	BRL	118	1-227	3	30
trans-1,3-Dichloropropene	23.7		µg/l		20.0	BRL	119	17-183	1	30
Ethylbenzene	22.1		µg/l		20.0	BRL	110	37-162	0.09	30
Methylene chloride	20.7		µg/l		20.0	BRL	104	1-221	3	30
1,1,2,2-Tetrachloroethane	19.4		µg/l		20.0	BRL	97	46-157	1	30
Tetrachloroethene	20.5		µg/l		20.0	BRL	103	64-148	0.5	30
Toluene	21.1		µg/l		20.0	BRL	106	70-130	2	30
1,1,1-Trichloroethane	24.6		µg/l		20.0	BRL	123	52-162	3	30
1,1,2-Trichloroethane	20.5		µg/l		20.0	BRL	102	52-150	5	30
Trichloroethene	22.6		µg/l		20.0	BRL	113	71-157	6	30
Trichlorofluoromethane (Freon 11)	20.6		µg/l		20.0	BRL	103	17-181	3	30
Vinyl chloride	20.5		µg/l		20.0	BRL	102	1-251	3	30
Surrogate: 4-Bromofluorobenzene	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/l		*30.0*		*97*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

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

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026084 - EPA 200 Series										
Blank (1026084-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	BRL		mg/l	0.0075						
Zinc	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Barium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Chromium	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
LCS (1026084-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.29		mg/l	0.0075	1.25		103	85-115		
Zinc	1.37		mg/l	0.0050	1.25		109	85-115		
Barium	1.28		mg/l	0.0050	1.25		102	85-115		
Cadmium	1.32		mg/l	0.0025	1.25		106	85-115		
Chromium	1.30		mg/l	0.0050	1.25		104	85-115		
Copper	1.35		mg/l	0.0050	1.25		108	85-115		
Arsenic	1.30		mg/l	0.0040	1.25		104	85-115		
Duplicate (1026084-DUP1)			**Source: SB22327-01**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	0.0163		mg/l	0.0075		0.0188			14	20
Zinc	0.179	QR9	mg/l	0.0050		0.0872			69	20
Chromium	0.0139		mg/l	0.0050		0.0170			20	20
Cadmium	BRL		mg/l	0.0025		0.0008				20
Barium	0.193		mg/l	0.0050		0.200			4	20
Arsenic	0.0042	QR8	mg/l	0.0040		0.0070			50	20
Copper	0.0438		mg/l	0.0050		0.0448			2	20
Matrix Spike (1026084-MS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.28		mg/l	0.0075	1.25	0.0270	100	70-130		
Zinc	1.49		mg/l	0.0050	1.25	0.143	108	70-130		
Cadmium	1.26		mg/l	0.0025	1.25	0.0005	101	70-130		
Chromium	1.30		mg/l	0.0050	1.25	0.0234	102	70-130		
Copper	1.47		mg/l	0.0050	1.25	0.0712	112	70-130		
Barium	1.50		mg/l	0.0050	1.25	0.260	99	70-130		
Arsenic	1.32		mg/l	0.0040	1.25	0.0074	105	70-130		
Post Spike (1026084-PS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.33		mg/l	0.0075	1.25	0.0270	104	85-115		
Zinc	1.50		mg/l	0.0050	1.25	0.143	108	85-115		
Chromium	1.34		mg/l	0.0050	1.25	0.0234	105	85-115		
Cadmium	1.31		mg/l	0.0025	1.25	0.0005	105	85-115		
Barium	1.53		mg/l	0.0050	1.25	0.260	102	85-115		
Arsenic	1.37		mg/l	0.0040	1.25	0.0074	109	85-115		
Batch 1026085 - EPA200/SW7000 Series										
Blank (1026085-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020						
LCS (1026085-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00510		mg/l	0.00020	0.00500		102	85-115		
Duplicate (1026085-DUP1)			**Source: SB22327-01**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (1026085-MS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00543		mg/l	0.00020	0.00500	BRL	109	75-125		
Post Spike (1026085-PS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00519		mg/l	0.00020	0.00500	BRL	104	85-115		

Soluble Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026106 - EPA 200 Series										
Blank (1026106-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Chromium	BRL		mg/l	0.0050						
LCS (1026106-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.26		mg/l	0.0075	1.25		100	85-115		
Arsenic	1.27		mg/l	0.0050	1.25		101	85-115		
Cadmium	1.30		mg/l	0.0025	1.25		104	85-115		
Chromium	1.26		mg/l	0.0050	1.25		101	85-115		
Copper	1.31		mg/l	0.0050	1.25		104	85-115		
Duplicate (1026106-DUP1)			**Source: SB22327-01**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	BRL		mg/l	0.0075		BRL				20
Arsenic	BRL		mg/l	0.0050		BRL				20
Cadmium	BRL		mg/l	0.0025		0.0006				20
Chromium	BRL		mg/l	0.0050		BRL				20
Copper	BRL		mg/l	0.0050		0.0042				20
Matrix Spike (1026106-MS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.27		mg/l	0.0075	1.25	BRL	102	70-130		
Arsenic	1.34		mg/l	0.0050	1.25	BRL	107	70-130		
Cadmium	1.29		mg/l	0.0025	1.25	BRL	103	70-130		
Copper	1.39		mg/l	0.0050	1.25	BRL	111	70-130		
Chromium	1.28		mg/l	0.0050	1.25	BRL	103	70-130		
Post Spike (1026106-PS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Lead	1.15		mg/l	0.0075	1.25	BRL	92	85-115		
Cadmium	1.17		mg/l	0.0025	1.25	BRL	94	85-115		
Chromium	1.16		mg/l	0.0050	1.25	BRL	93	85-115		
Arsenic	1.21		mg/l	0.0050	1.25	BRL	97	85-115		
Copper	1.25		mg/l	0.0050	1.25	BRL	100	85-115		
Batch 1026107 - EPA200/SW7000 Series										
Blank (1026107-BLK1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020						
LCS (1026107-BS1)						Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00504		mg/l	0.00020	0.00500		101	85-115		
Duplicate (1026107-DUP1)			**Source: SB22327-01**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (1026107-MS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00526		mg/l	0.00020	0.00500	BRL	105	75-125		
Post Spike (1026107-PS1)			**Source: SB22327-02**			Prepared: 16-Dec-10 Analyzed: 17-Dec-10				
Mercury	0.00533		mg/l	0.00020	0.00500	BRL	107	85-115		
Batch 1026536 - 200.7/No digestion										
Blank (1026536-BLK1)						Prepared & Analyzed: 21-Dec-10				
Zinc	BRL		mg/l	0.0100						
Barium	BRL		mg/l	0.0100						
LCS (1026536-BS1)						Prepared & Analyzed: 21-Dec-10				
Zinc	5.16		mg/l	0.0100	5.00		103	85-115		
Barium	4.97		mg/l	0.0100	5.00		99	85-115		
Duplicate (1026536-DUP1)			**Source: SB22327-01**			Prepared & Analyzed: 21-Dec-10				
Zinc	0.278		mg/l	0.0100		0.277			0.2	20
Barium	0.280		mg/l	0.0100		0.297			6	20

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

* Reportable Detection Limit BRL = Below Reporting Limit

Soluble Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1026536 - 200.7/No digestion										
Matrix Spike (1026536-MS1)			**Source: SB22327-02**		Prepared & Analyzed: 21-Dec-10					
Zinc	2.88		mg/l	0.0100	2.50	0.0464	113	70-130		
Barium	2.73		mg/l	0.0100	2.50	0.194	101	70-130		

Notes and Definitions

QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
V11	Data confirmed with duplicate analysis.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

Interpretation of Total Petroleum Hydrocarbon Report

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

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

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

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

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

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

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

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

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

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

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

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

DB 22327

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

Invoice To: D.T.C.
P.O. No.: _____ RQN: 6955

Project No.: 09-188-02E
Site Name: NBHB - Contract 2
Location: New Britain State: CT
Sampler(s): J. Andrews

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

List preservative code below: 2 | 4 | 4*

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 624	TPH 1664	Total RCRA-5 & Be,Cu,Zn	Dissolved RCRA-5 & Be,Cu,Zn						
22327-01	B-9/GW	12-10	1025	G	GW	2	1		2	*	*	*	*						
-02	Duplicate-2	12-10		G	GW	2	1		2	*	*	*	*						
-03	Field Blank	12-10	1110	G	X1	2	1		1	*	*	*							
-04	Trip Blank	12-10				2													

Analyses:

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

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

State-specific reporting standards:

* Dissolved metals were field-filtered

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12-13-10	10:20	3.2
[signature]	[signature]	12/13/10	1625	18

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

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

APPENDIX C

Data Tables & Sample Locations from Maguire's May 2006 and June 2006 Task 210 Reports

TABLE 1(a) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-1 0'-2' (GB)	GP-2 2'-4' (GB)	GP-3 2'-4' (GB)	GP-4 4'-8' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	246	BRL	BRL	60.0	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)						
Acenaphthylene	0.889	BRL	BRL	BRL	84 ppm	1,000/2,500 ppm
Anthracene	0.831	BRL	BRL	0.331	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	***3.31***	BRL	BRL	***1.29***	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	***2.76***	BRL	BRL	***1.11***	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	***3.22***	BRL	BRL	***1.47***	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	1.47	BRL	BRL	0.363	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	***1.26***	BRL	BRL	0.756	**1 ppm**	8.4/78 ppm
Chrysene	***2.69***	BRL	BRL	***1.11***	**1 ppm**	84/780 ppm
Dibenz(a,h)anthracene	0.561	BRL	BRL	BRL	1 ppm	1/1 ppm
Fluoranthene	5.06	BRL	BRL	2.05	56 ppm	1,000/2,500 ppm
Fluorene	0.198	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	***1.81***	BRL	BRL	0.398	**1 ppm**	1/7.8 ppm
Phenanthrene	1.52	BRL	BRL	0.878	40 ppm	1/7.8 ppm
Pyrene	3.25	BRL	BRL	2.19	40 ppm	1,000/2,500 ppm
Total BNAs	28.829	BRL	BRL	11.946		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					Not Applicable	
Arsenic	5.71	2.69	4.54	***14.4***		**10/10 ppm**
Barium	171	73.7	98.1	48.7		4,700/140,000 ppm
Cadmium	0.426	0.558	0.58	0.568		34/1,000 ppm
Chromium	21.8	14.7	19.6	12.5		100/100 ppm
Lead	67.7	12.1	38.8	90.9		500/1,000 ppm
Mercury	0.184	BRL	0.0746	0.185		20/610 ppm
Silver	1.96	BRL	1.44	1.9		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						Not Applicable
Barium	0.0272	0.0234	0.161	0.015	10.0 ppm	
Chromium	BRL	BRL	0.0153	BRL	0.5 ppm	
Lead	BRL	BRL	0.0304	0.0278	0.15 ppm	

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

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(b) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-5 2'-4' (GB)	GP-6 2'-4' (GB)	GP-7 0'-3' (GB)	GP-8 0'-3' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	38.6	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					Not Applicable	
Arsenic	4.58	6.32	5.07	4.87		10/10 ppm
Barium	77.5	89.9	128	123		4,700/140,000 ppm
Cadmium	0.413	0.465	BRL	BRL		34/1,000 ppm
Chromium	18.1	18.4	16.7	16.8		100/100 ppm
Lead	11.6	11.6	17.7	28.3		500/1,000 ppm
Silver	1.49	1.67	1.59	1.82		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						Not Applicable
Barium	0.0094	0.0188	0.025	0.0299	10.0 ppm	

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

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(c) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-9 6'-8' (GB)	GP-10 2'-4' (GB)	GP-11 2'-4' (GB)	GP-12 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	***810***	BRL	BRL	BRL	1,000 ppm	**500**/2,500 ppm
VOCs - Method 8260 (ppm)						
n-Butylbenzene	0.155	BRL	BRL	BRL	14 ppm	500/1,000 ppm
sec-Butylbenzene	0.165	BRL	BRL	BRL	14 ppm	500/1,000 ppm
4-Isopropyltoluene	0.182	BRL	BRL	BRL	41.8 ppm	500/1,000 ppm
Naphthalene	0.0959	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
1,2,4-Trimethylbenzene	0.225	BRL	BRL	BRL	70 ppm	500/1,000 ppm
1,3,5-Trimethylbenzene	0.101	BRL	BRL	BRL	70 ppm	500/1,000 ppm
BNAs - Method 8270 (ppm)						
1-Methylnaphthalene	0.364	BRL	BRL	BRL	No Standard	No Standard
2-Methylnaphthalene	0.323	BRL	BRL	BRL	9.8 ppm	474/2,500 ppm
Phenanthrene	0.462	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Total BNAs	1.149	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					Not Applicable	
Arsenic	2.66	4.97	5.34	4.55		10/10 ppm
Barium	150	77.2	84.0	67.3		4,700/140,000 ppm
Cadmium	BRL	0.37	0.4	BRL		34/1,000 ppm
Chromium	16.0	19.5	23.3	13.7		100/100 ppm
Lead	10.3	11.3	13.2	7.71		500/1,000 ppm
Silver	BRL	1.58	1.95	1.93		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						Not Applicable
Barium	0.033	0.0114	0.026	0.0105	10.0 ppm	

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

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(d) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-13 2'-4' (GB)	GP-14 2'-4' (GB)	GP-15 2'-4' (GB)	GP-16 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					Not Applicable	
Arsenic	4.42	BRL	3.39	2.35		10/10 ppm
Barium	67.9	65.2	146	389		4,700/140,000 ppm
Cadmium	0.279	0.488	0.276	BRL		34/1,000 ppm
Chromium	19.0	22.3	19.2	19.7		100/100 ppm
Lead	17.3	21.5	9.36	9.83		500/1,000 ppm
Silver	1.54	BRL	1.54	1.4		340/10,000 ppm
SPLP RCRA 8 Metals – ppm						Not Applicable
Arsenic	BRL	BRL	BRL	0.004	0.5 ppm	
Barium	0.0321	0.0298	0.0868	0.154	10.0 ppm	
Chromium	0.0054	0.0056	0.0053	0.0076	0.5 ppm	
Lead	0.0062	BRL	BRL	0.0072	0.15 ppm	
Silver	0.0083	BRL	BRL	BRL	0.36 ppm	

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

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(e) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-17 2'-4' (GB)	GP-18 4'-8' (GB)	GP-19 2'-4' (GB)	GP-20 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Naphthalene	0.204	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
BNAs - Method 8270 (ppm)						
Fluoranthene	0.292	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	0.266	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.229	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Total BNAs	0.787	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					Not Applicable	
Arsenic	4.34	8.09	1.92	3.21		10/10 ppm
Barium	84.2	369	96.4	67.2		4,700/140,000 ppm
Cadmium	BRL	BRL	1.0	BRL		34/1,000 ppm
Chromium	15.5	16.3	17.7	16.9		100/100 ppm
Lead	25.3	8.2	11.8	19.1		500/1,000 ppm
Mercury	0.0684	BRL	BRL	0.0871		20/610 ppm
Silver	1.27	1.94	BRL	BRL		340/10,000 ppm
SPLP RCRA 8 Metals – ppm						Not Applicable
Arsenic	0.004	BRL	BRL	BRL	0.5 ppm	
Barium	0.0304	0.0409	0.186	0.0313	10.0 ppm	
Chromium	BRL	BRL	0.0268	BRL	0.5 ppm	
Lead	0.0084	BRL	BRL	0.0058	0.15 ppm	

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

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(f) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-21 4'-6' (GB)	GP-22 2'-4' (GB)	GP-23 2'-4' (GB)	GP-24 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	30.5	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs- Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	4.25	4.49	6.03	4.48		10/10 ppm
Barium	377	247	324	109		4,700/140,000 ppm
Cadmium	BRL	0.323	0.431	0.271		34/1,000 ppm
Chromium	17.6	18.0	20.0	15.7		100/100 ppm
Lead	8.11	15.8	14.6	21.8		500/1,000 ppm
Silver	BRL	1.19	1.29	1.39		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0683	0.039	0.0799	0.0215	10.0 ppm	
Chromium	BRL	BRL	0.005	BRL	0.5 ppm	

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

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(g) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-25 2'-4' (GB)	GP-26 2'-4' (GB)	GP-27 4'-8' (GB)	GP-28 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	51.1	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Benzene	BRL	0.0639	BRL	BRL	0.2 ppm	21/200 ppm
Naphthalene	BRL	0.091	BRL	BRL	56 ppm	1,000/2,500 ppm
Toluene	BRL	0.133	BRL	BRL	67 ppm	500/1,000 ppm
BNAs- Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	4.28	9.61	4.51	5.25		10/10 ppm
Barium	81.0	73.4	111	82.9		4,700/140,000 ppm
Cadmium	0.295	0.269	BRL	0.398		34/1,000 ppm
Chromium	16.9	16.3	20.3	23.6		100/100 ppm
Lead	25.9	33.9	8.79	11.2		500/1,000 ppm
Silver	1.29	1.5	1.61	1.71		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0158	BRL	BRL	BRL	10.0 ppm	

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

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(h) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-29 2'-4' (GB)	GP-30 2'-4' (GB)	GP-31 2'-4' (GA)	GP-32 4'-7.5' (GA)	CTDEP PMC GA/GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	117	BRL	500/1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs- Method 8270 (ppm)						
Bis(2-etrhylhexyl)phthalate	BRL	BRL	BRL	0.935	1/11 ppm	44/410 ppm
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	5.1	6.42	4.17	4.61		10/10 ppm
Barium	87.7	75.1	57.1	57.1		4,700/140,000 ppm
Cadmium	0.376	0.361	0.386	0.379		34/1,000 ppm
Chromium	22.7	17.3	12.5	18.5		100/100 ppm
Lead	10.4	33.1	29.6	8.87		500/1,000 ppm
Silver	1.85	1.59	1.11	2.15		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	BRL	0.0142	0.0183	0.0129	1/10.0 ppm	

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

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(i) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-33 2'-4' (GA)	GP-34 2'-4' (GA)	GP-35 6'-8' (GA)	GP-36 0'-2' (GA)	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	190	500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)						
Acenaphthylene	BRL	BRL	BRL	0.743	8.4 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	BRL	BRL	***1.72***	**1 ppm**	**1**/7.8 ppm
Benzo(a)pyrene	BRL	BRL	BRL	***2.16***	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	BRL	BRL	BRL	***3.64***	**1 ppm**	**1**/7.8 ppm
Benzo(g,h,i)perylene	BRL	BRL	BRL	1.0	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BRL	BRL	BRL	***1.62***	**1 ppm**	8.4/78 ppm
Chrysene	BRL	BRL	BRL	***1.94***	**1 ppm**	84/780 ppm
Fluoranthene	BRL	BRL	BRL	2.27	5.6 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	BRL	***1.13***	**1 ppm**	**1**/7.8 ppm
Phenanthrene	BRL	BRL	BRL	0.616	4 ppm	1/7.8 ppm
Pyrene	BRL	BRL	BRL	2.53	4 ppm	1,000/2,500 ppm
Total BNAs	BRL	BRL	BRL	19.369		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	5.13	3.44	BRL	***96.9***		**10/10 ppm**
Barium	98.9	84.4	102	32.1		4,700/140,000 ppm
Cadmium	0.345	0.55	0.409	0.362		34/1,000 ppm
Chromium	15.0	15.7	18.7	9.89		100/100 ppm
Lead	15.3	17.2	11.7	31.3		500/1,000 ppm
Silver	BRL	4.74	1.48	1.33		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Arsenic	BRL	BRL	BRL	0.0308	0.05 ppm	
Barium	0.013	BRL	0.0144	0.0126	1.0 ppm	
Lead	BRL	BRL	BRL	0.0093	0.015 ppm	

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

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(j) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-37 2'-4' (GA)	GP-38 2'-4' (GA)	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	126	BRL	500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL		
BNAs - Method 8270 (ppm)				
Benzo(a)anthracene	0.476	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.737	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	*1.75*	BRL	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	0.612	BRL	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	0.755	BRL	1 ppm	8.4/78 ppm
Chrysene	0.74	BRL	1 ppm	84/780 ppm
Fluoranthene	0.709	BRL	5.6 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.666	BRL	1 ppm	1/7.8 ppm
Pyrene	0.861	BRL	4 ppm	1,000/2,500 ppm
Total BNAs	7.306	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals – ppm				
Arsenic	9.2	5.18		10/10 ppm
Barium	55.3	75.3		4,700/140,000 ppm
Cadmium	0.383	0.377		34/1,000 ppm
Chromium	15.4	20.3		100/100 ppm
Lead	17.2	12.4		500/1,000 ppm
Mercury	0.114	BRL		20/610 ppm
Silver	BRL	1.66		340/10,000 ppm
SPLP RCRA 8 Metals - ppm				
Barium	0.0202	0.0467	1.0 ppm	
Lead	0.008	BRL	0.015 ppm	

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

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(a) - Results of Groundwater Grab Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Sample I.D.: (Groundwater Classification)	GP-13 GW (GB)	GP-18 GW (GB)	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL	BRL	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)	BRL	BRL		
BNAs - EPA Method 8270 (ppb)	BRL	BRL		
Pesticides - EPA Method 8081A (ppb)	BRL	BRL		
PCBs - EPA Method 8080 (ppb)	BRL	BRL	0.5 ppb	Not Applicable
Herbicides – EPA Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals – ppm				Not Applicable
Arsenic	BRL	***0.154***	**0.004 ppm**	
Barium	0.458	12.0	No Standard	
Chromium	0.0222	***0.503***	**0.11 ppm**	
Lead	***0.0158***	***0.458***	**0.013 ppm**	
Mercury	BRL	***0.00151***	**0.0004 ppm**	
Silver	BRL	***0.0438***	**0.012 ppm**	

Exceeds Std SS

Exceeds SW 10 to 1

BRL – Below fic detection limits)

The compou tory reports for full lists of compounds a

TABLE 2(b) - Results of Groundwater Grab Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Sample I.D.: (Groundwater Classification)	GP-37 GW (GA)	CTDEP Groundwater Protection Criteria	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL		None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)	BRL			
BNAs - EPA Method 8270 (ppb)	BRL			
Pesticides - EPA Method 8081A (ppb)	BRL			
PCBs - EPA Method 8080 (ppb)	BRL		0.5 ppb	Not Applicable
Herbicides – EPA Method 8151 (ppb)	BRL			
Total RCRA 8 Metals – ppm				Not Applicable
Barium	0.106	1.0 ppm	No Standard	
Chromium	0.0109	0.05 ppm	0.11 ppm	
Lead	0.0094	0.015 ppm	0.013 ppm	

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

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

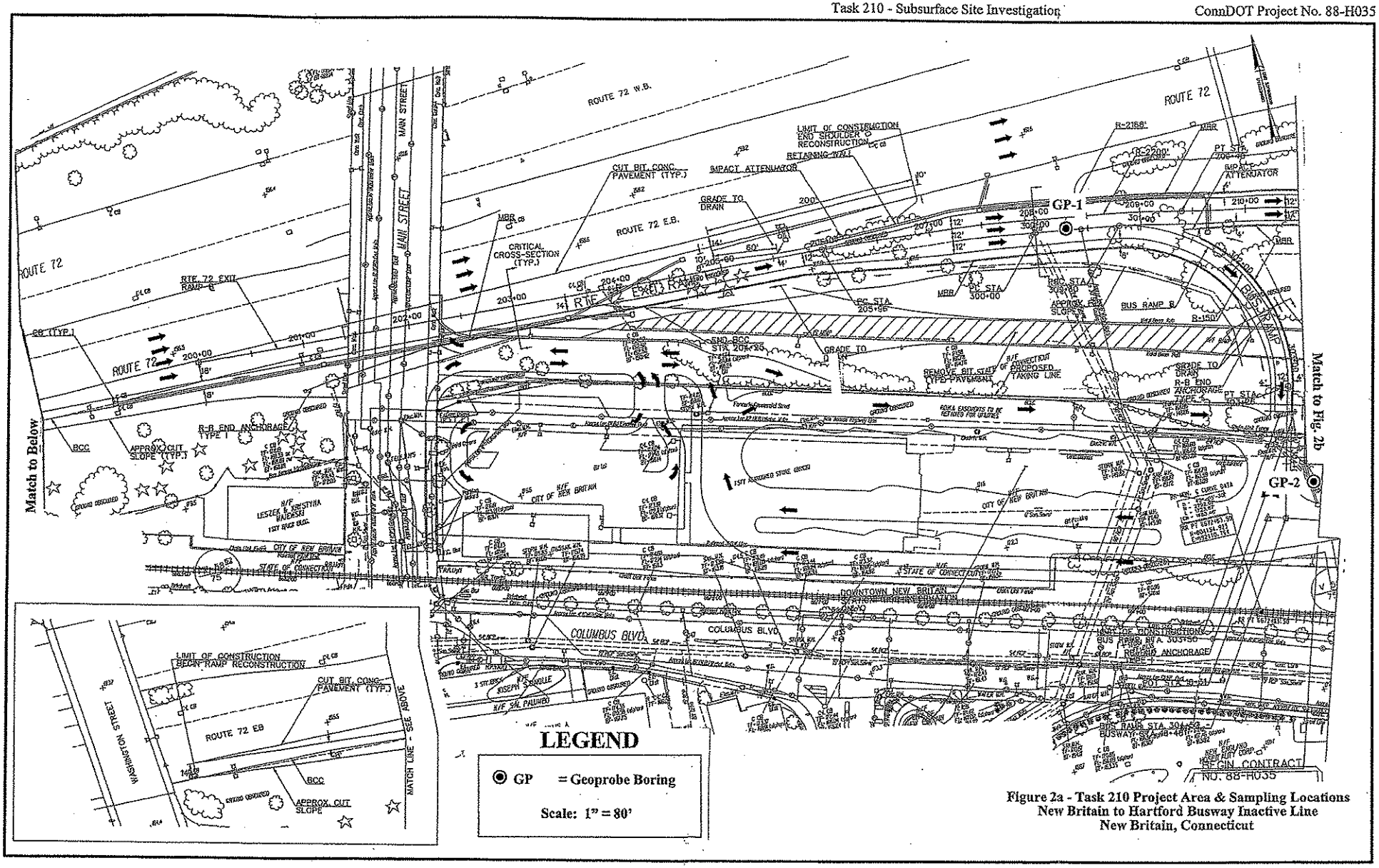
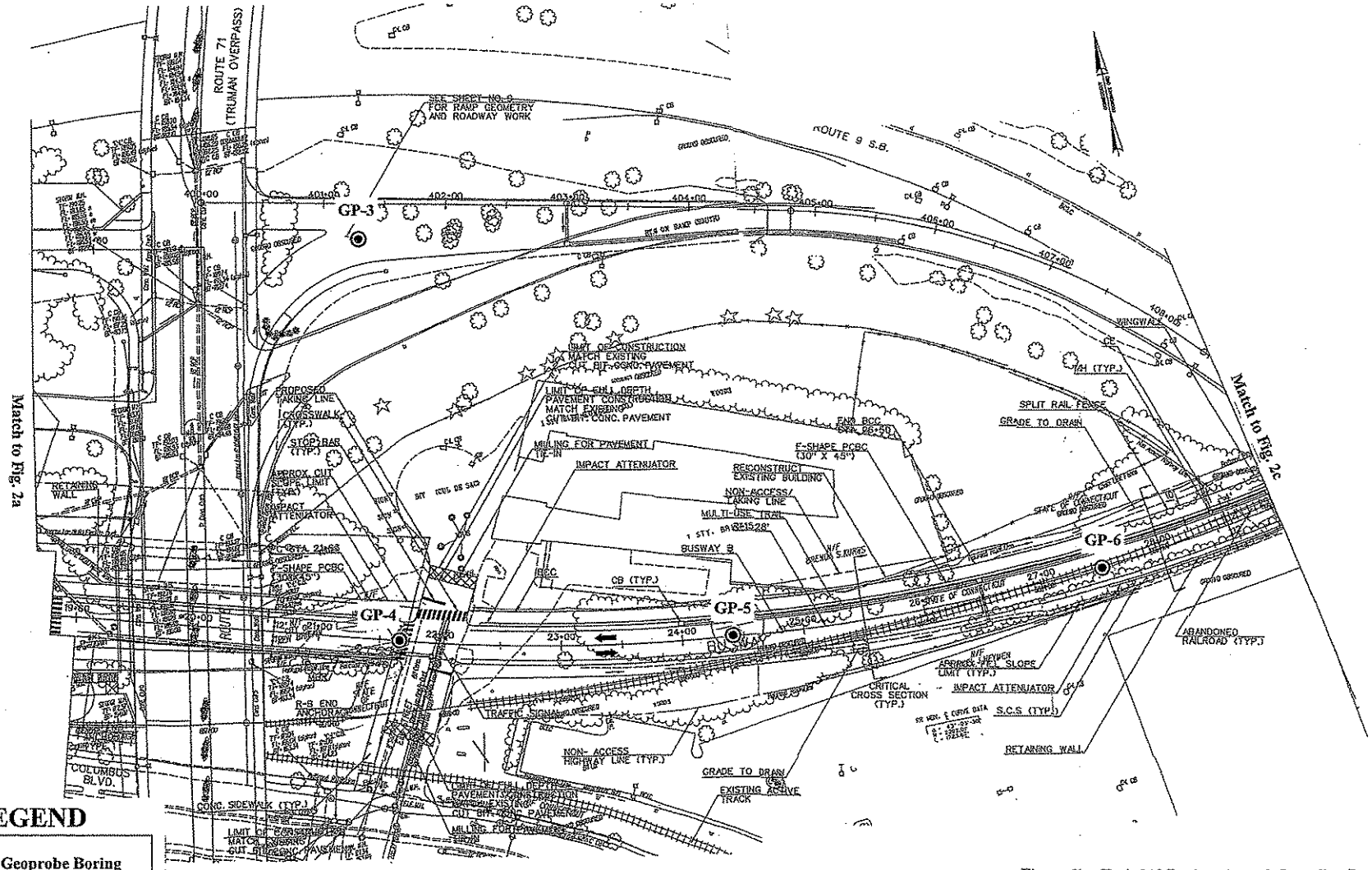


Figure 2a - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut



LEGEND

GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2b - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

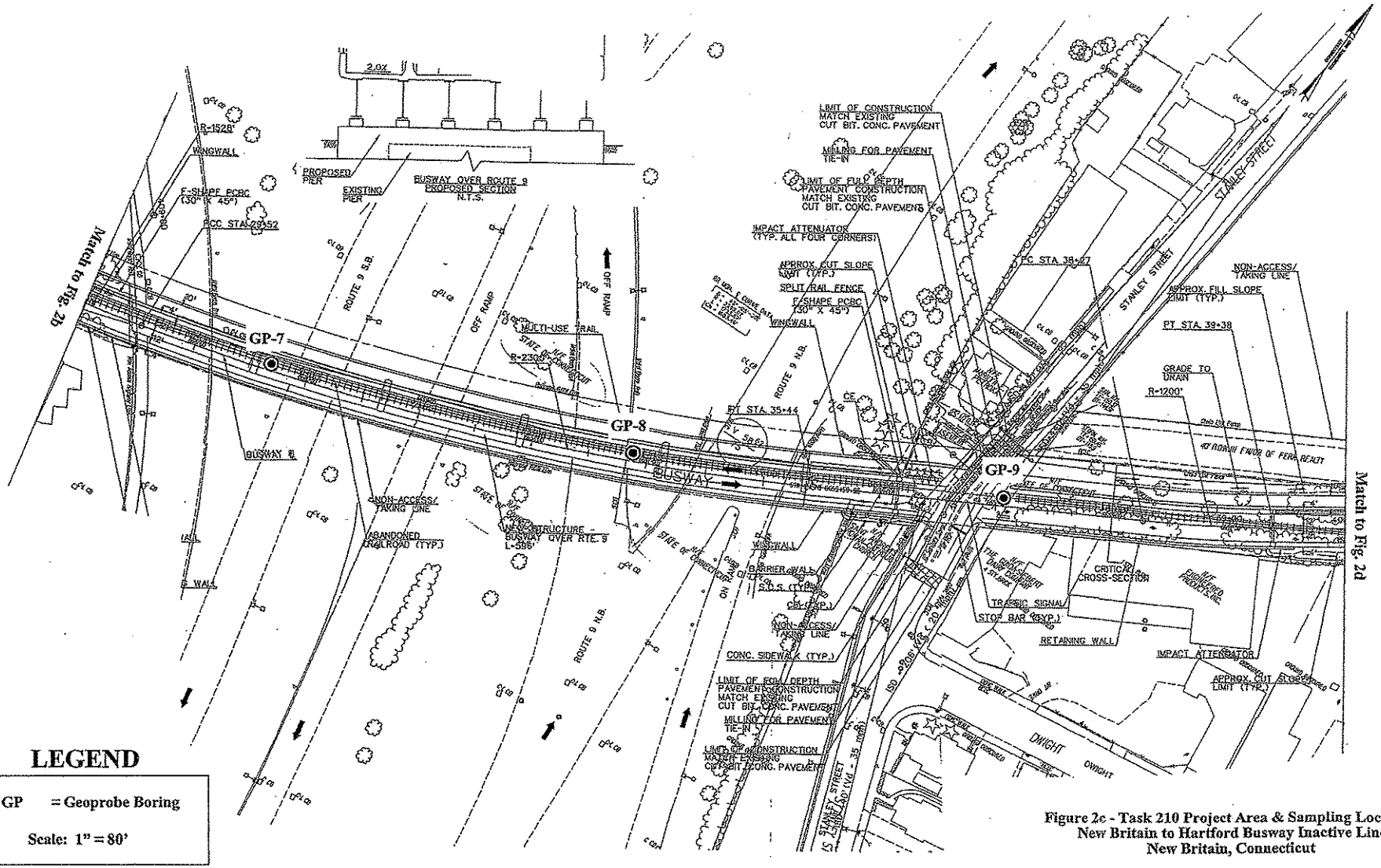
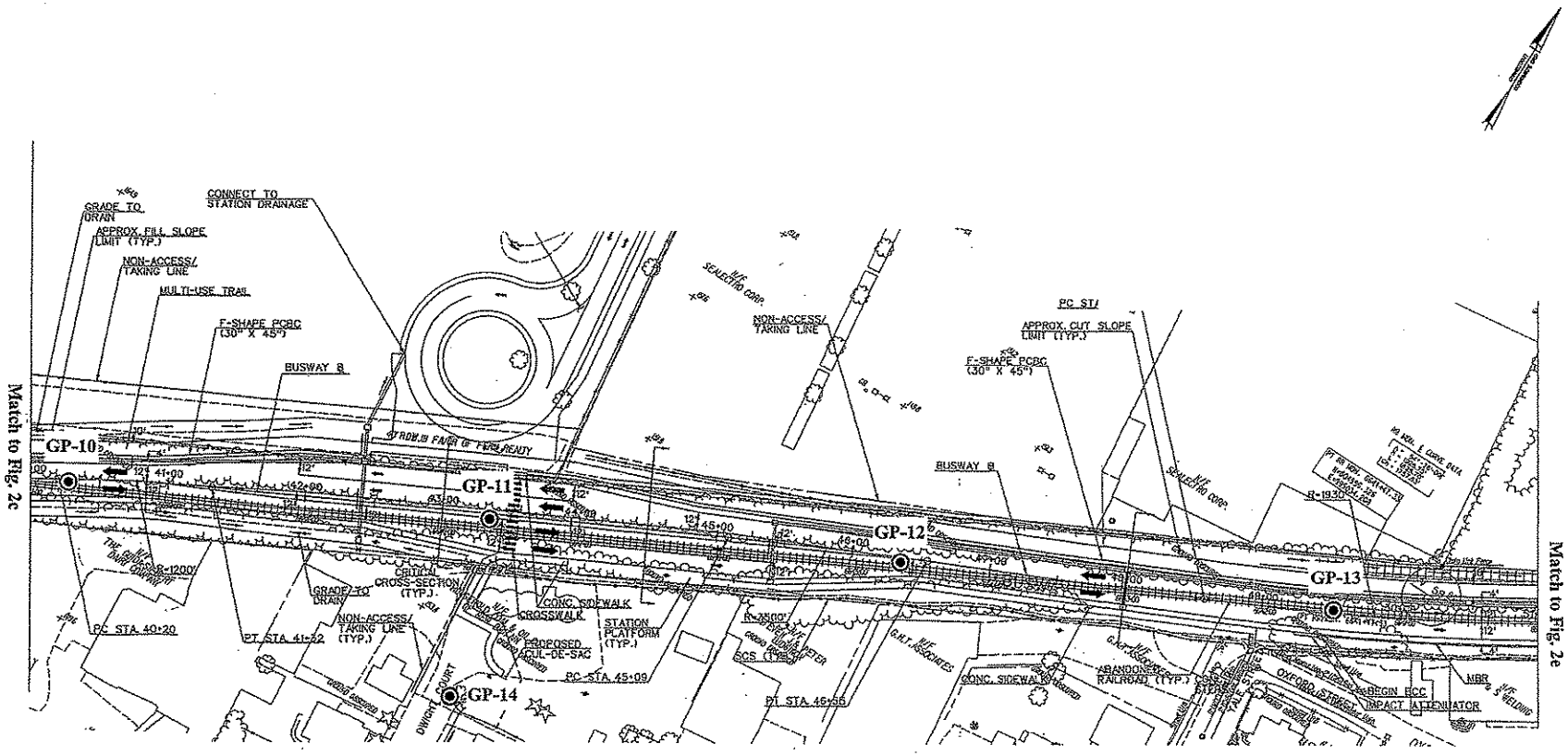


Figure 2e - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

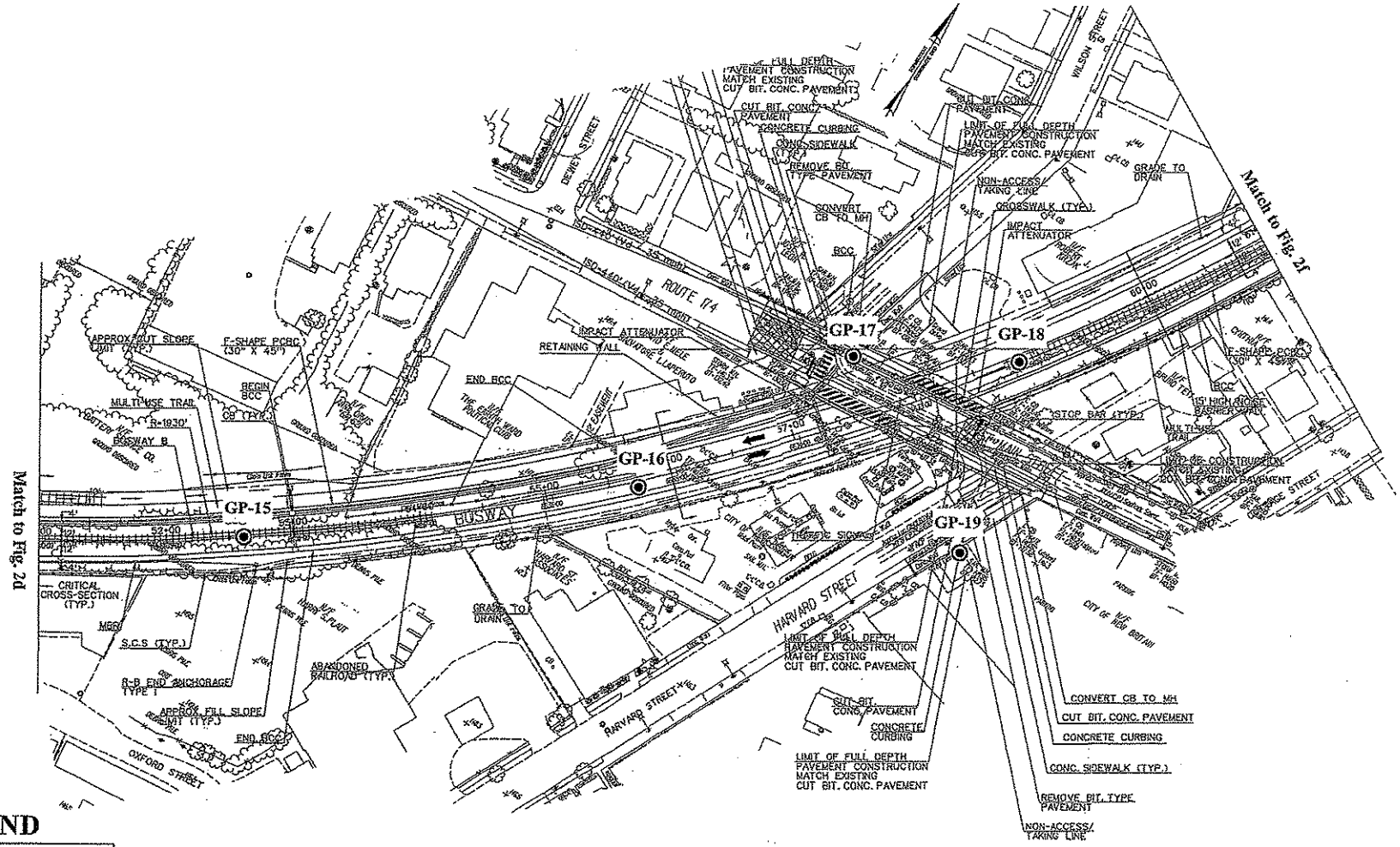


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2d - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

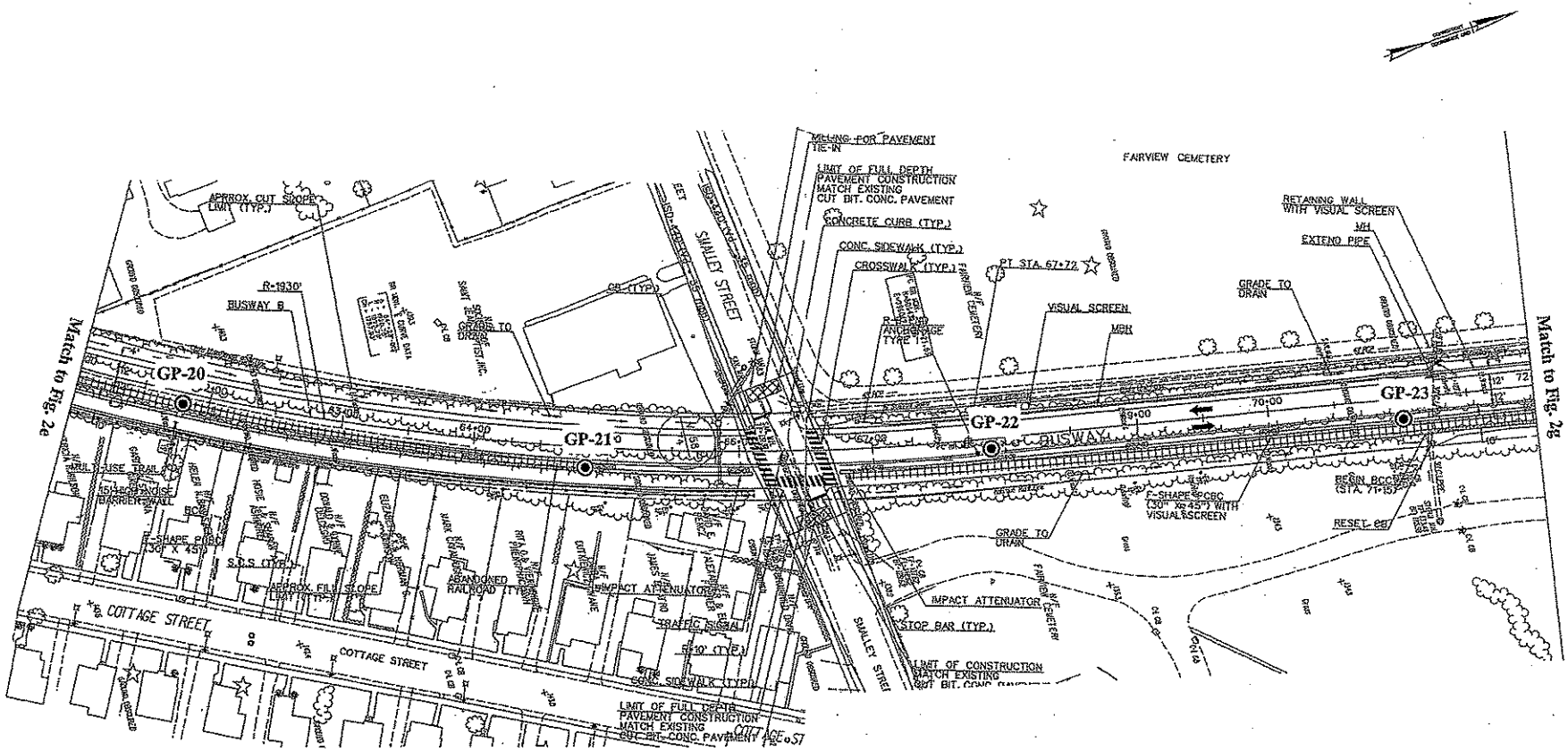


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2e - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

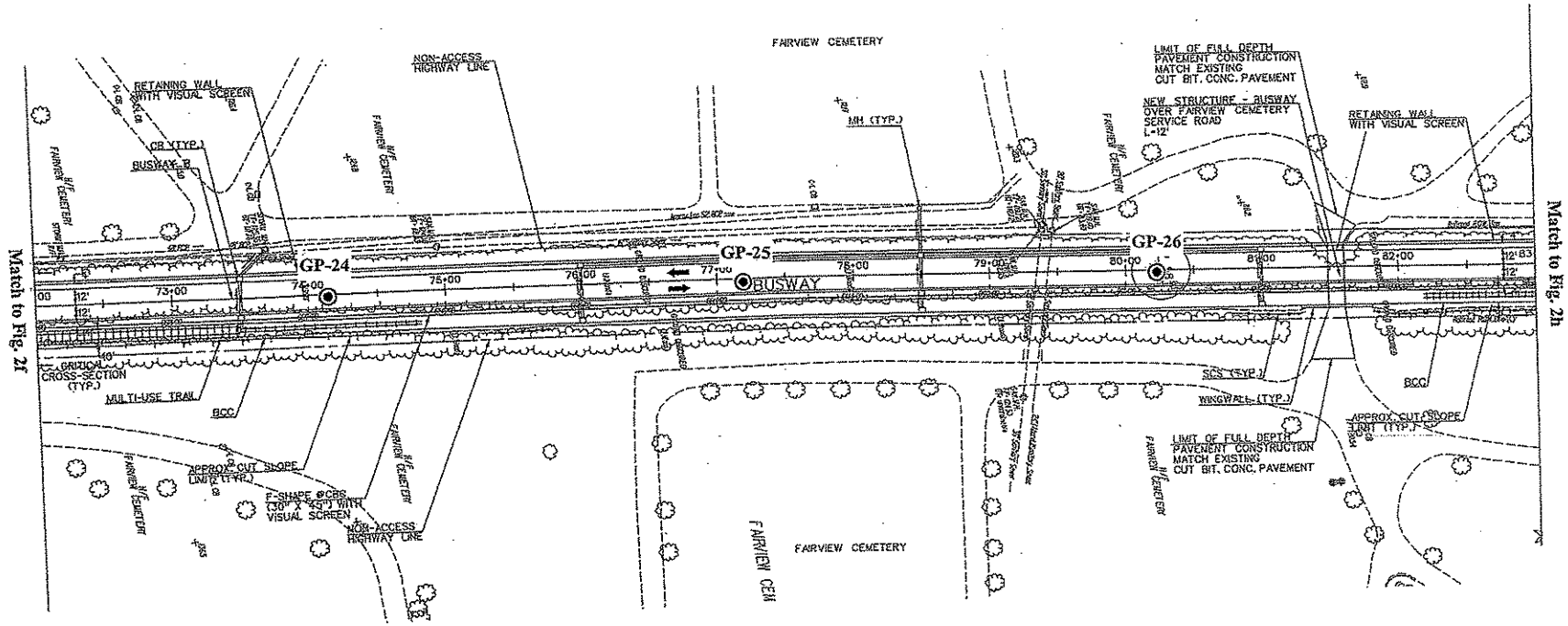


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2f - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

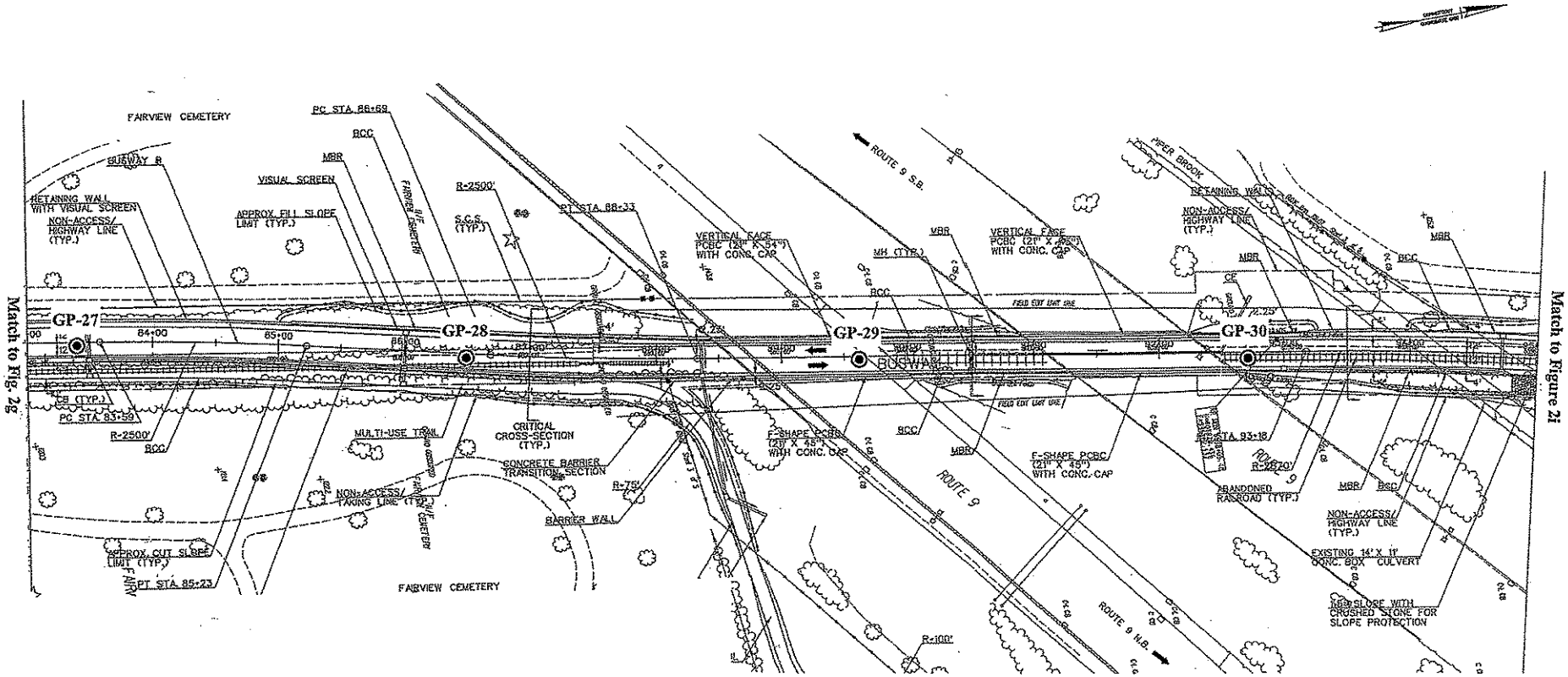


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2g - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

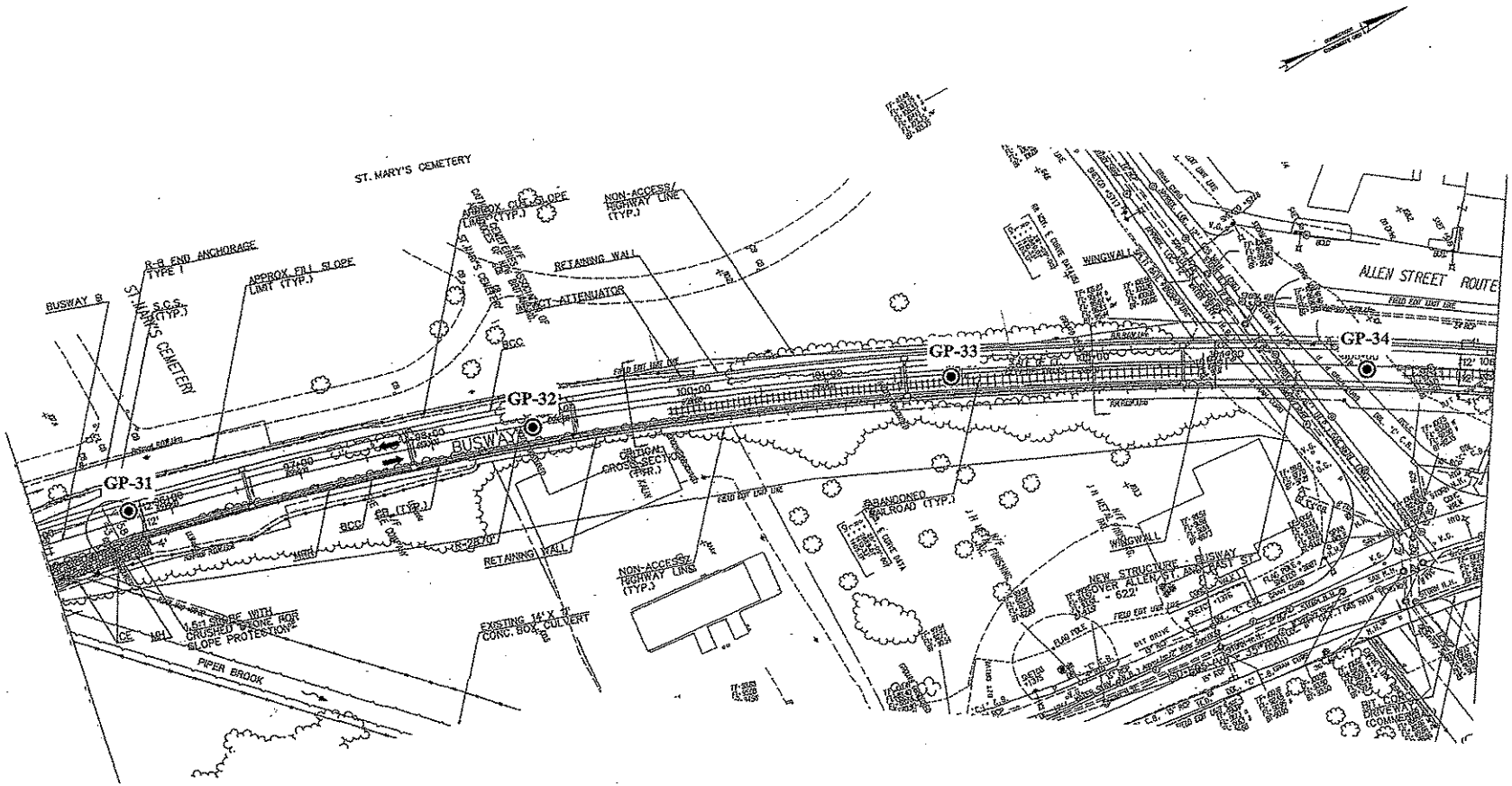


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2h - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

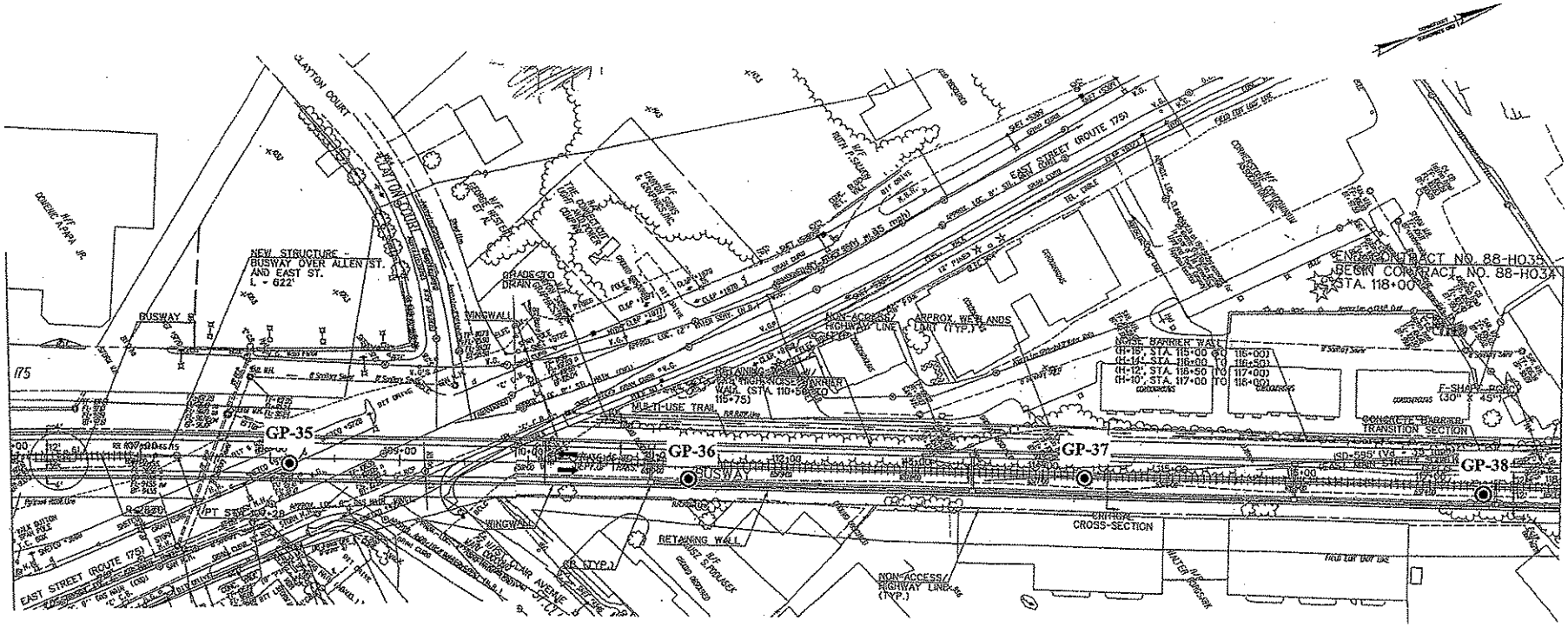


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2i - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut



LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2j - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

TABLE 1(a) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-39 2'-4' (GA)	GP-40 2'-4' (GA)	GP-41 2'-4' (GA)	GP-42 4'-8' (GB)	CTDEP PMC GA/GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	BRL	500/1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
PCBs – Method 8082 (ppm)	BRL	BRL	BRL	BRL	Not Applicable	1/10 ppm
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	5.47	3.37	8.04	3.88		10/10 ppm
Barium	31.3	36.9	66.5	58.3		4,700/140,000 ppm
Cadmium	0.374	0.302	BRL	BRL		34/1,000 ppm
Chromium	11.6	14.2	9.66	18.0		100/100 ppm
Lead	21.0	9.85	23.9	8.63		500/1,000 ppm
Silver	1.59	1.63	1.2	1.45		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0244	BRL	0.019	0.0138	1.0/10.0 ppm	

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

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(b) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-43 2'-4' (GB)	GP-44 2'-4' (GB)	GP-45 2'-4' (GB)	GP-46 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	31.7	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Toluene	BRL	BRL	0.104	BRL	67 ppm	500/1,000 ppm
BNAs- Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	4.01	5.73	5.18	***34.5***		**10/10 ppm**
Barium	43.2	48.7	74.4	51.3		4,700/140,000 ppm
Cadmium	BRL	BRL	0.316	BRL		34/1,000 ppm
Chromium	16.7	8.7	17.4	8.58		100/100 ppm
Lead	9.46	38.4	12.0	31.3		500/1,000 ppm
Mercury	0.443	0.124	0.126	0.19		20/610 ppm
Silver	1.5	1.4	2.22	BRL		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0306	0.0224	0.0261	0.0204	10.0 ppm	

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

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(c) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-47 2'-4' (GB)	GP-48 2'-4' (GB)	GP-49 2'-4' (GB)	GP-50 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	BRL	BRL	35.2	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
1,1-Dichloroethene	0.0095	BRL	BRL	BRL	1.4 ppm	1/9.5 ppm
cis-1,2-Dichloroethene	0.105	BRL	BRL	BRL	14 ppm	500/1,000 ppm
Trichloroethene	0.0342	BRL	BRL	BRL	1 ppm	56/520 ppm
BNAs - Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	7.71	7.11	5.48	7.27		10/10 ppm
Barium	99.9	60.6	68.7	49.0		4,700/140,000 ppm
Cadmium	BRL	0.278	0.268	0.432		34/1,000 ppm
Chromium	23.8	13.2	16.5	14.7		100/100 ppm
Lead	20.2	40.0	25.7	29.5		500/1,000 ppm
Mercury	BRL	0.927	1.07	BRL		20/610 ppm
Silver	1.89	1.2	1.31	BRL		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0798	0.0604	0.0432	0.368	10.0 ppm	
Chromium	0.0072	0.0058	BRL	BRL	0.5 ppm	
Lead	BRL	0.0148	BRL	BRL	0.15 ppm	

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

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(d) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-51 2'-4' (GB)	GP-52 2'-4' (GB)	GP-53 4'-8' (GB)	GP-54 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	68.8	BRL	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Naphthalene	0.0946	0.0929	BRL	BRL	56 ppm	1,000/2,500 ppm
Toluene	0.063	0.118	BRL	BRL	67 ppm	500/1,000 ppm
Xylenes	BRL	0.0766	BRL	BRL	19.5 ppm	500/1,000 ppm
BNAs - Method 8270 (ppm)						
Acenaphthylene	0.194	BRL	BRL	BRL	84 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.469	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.507	BRL	BRL	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.633	BRL	BRL	0.251	1 ppm	1/7.8 ppm
Benzo(g,h,i)perylene	0.237	BRL	BRL	BRL	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	0.589	BRL	BRL	0.244	1 ppm	8.4/78 ppm
Chrysene	0.518	BRL	BRL	BRL	1 ppm	84/780 ppm
Fluoranthene	0.591	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.261	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Pyrene	0.622	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Total BNAs	4.621	BRL	BRL	0.495		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	8.29	6.81	5.05	3.18		10/10 ppm
Barium	82.0	90.8	52.6	110		4,700/140,000 ppm
Cadmium	0.451	0.447	0.465	0.512		34/1,000 ppm
Chromium	13.4	14.3	18.8	11.9		100/100 ppm
Lead	22.5	20.4	7.23	26.1		500/1,000 ppm
Mercury	0.149	BRL	BRL	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0142	0.0718	0.0068	0.0288	10.0 ppm	

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

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(e) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-55 1'-3' (GB)	GP-56 2'-4' (GB)	GP-57 4'-6' (GB)	GP-58 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	35.7	BRL	92.7	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Naphthalene	0.0999	BRL	BRL	0.164	56 ppm	1,000/2,500 ppm
Toluene	0.0773	BRL	BRL	BRL	67 ppm	500/1,000 ppm
1,2,4-Trimethylbenzene	0.0668	BRL	BRL	BRL	70 ppm	500/1,000 ppm
BNAs - Method 8270 (ppm)						
Acenaphthylene	BRL	BRL	BRL	0.534	84 ppm	1,000/2,500 ppm
Anthracene	BRL	BRL	BRL	0.298	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	BRL	BRL	0.969	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	0.317	BRL	***1.3***	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	BRL	0.318	BRL	***1.97***	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	BRL	0.207	BRL	0.562	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BRL	0.305	BRL	***1.5***	**1 ppm**	8.4/78 ppm
Carbazole	BRL	BRL	BRL	0.227	1 ppm	31/290 ppm
Chrysene	BRL	0.207	BRL	***1.39***	**1 ppm**	84/780 ppm
Dibenz(a,h)anthracene	BRL	BRL	BRL	0.276	1 ppm	1/1 ppm
Fluoranthene	0.298	0.290	BRL	0.906	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	BRL	0.681	1 ppm	1/7.8 ppm
Phenanthrene	BRL	BRL	BRL	0.232	40 ppm	1,000/2,500 ppm
Pyrene	0.234	0.345	BRL	1.31	40 ppm	1,000/2,500 ppm
Total BNAs	0.532	1.989	BRL	12.155		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	3.54	2.96	2.32	3.28		10/10 ppm
Barium	50.5	68.2	104	63.8		4,700/140,000 ppm
Cadmium	0.514	0.603	0.668	0.682		34/1,000 ppm
Chromium	10.4	16.6	19.9	19.4		100/100 ppm
Lead	56.5	16.4	9.97	20.5		500/1,000 ppm
Mercury	0.612	BRL	BRL	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0229	0.0312	0.0334	BRL	10.0 ppm	
Chromium	0.0062	BRL	BRL	BRL	0.5 ppm	

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

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(f) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-59 1'-3' (GB)	GP-60 2'-4' (GB)	GP-61 2'-4' (GB)	GP-62 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	BRL	31.6	57.6	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Naphthalene	BRL	BRL	0.115	BRL	56 ppm	1,000/2,500 ppm
BNAs- Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	2.24	3.23	4.95	2.74		10/10 ppm
Barium	51.6	65.5	48.6	42.8		4,700/140,000 ppm
Cadmium	0.466	0.509	0.491	0.367		34/1,000 ppm
Chromium	12.6	12.9	13.2	7.46		100/100 ppm
Lead	17.2	21.6	23.7	23.9		500/1,000 ppm
Mercury	0.0596	0.0554	0.0732	0.0629		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.006	0.0082	0.0065	BRL	10.0 ppm	

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

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(g) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-63 2'-4' (GB)	GP-64 2'-4' (GB)	GP-65 4'-8' (GB)	GP-66 2'-4' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	74.6	0.004	BRL	BRL	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNAs - Method 8270 (ppm)						
Benzo(b)fluoranthene	0.527	BRL	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	0.636	BRL	BRL	BRL	1 ppm	8.4/78 ppm
Fluoranthene	0.559	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Pyrene	0.763	BRL	BRL	BRL	40 ppm	1,000/2,500 ppm
Total BNAs	2.485	BRL	BRL	BRL		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm						
Arsenic	3.93	5.75	5.86	6.67		10/10 ppm
Barium	52.9	87.0	132	157		4,700/140,000 ppm
Cadmium	0.381	0.748	0.333	0.368		34/1,000 ppm
Chromium	7.77	15.8	22.4	27.7		100/100 ppm
Lead	31.3	56.2	10.3	10.4		500/1,000 ppm
Mercury	0.243	0.0949	BRL	BRL		20/610 ppm
Silver	1.12	BRL	BRL	BRL		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0097	0.0159	0.0392	0.0334	10.0 ppm	

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

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(h) - Results of Geoprobe Boring Soil Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Boring I.D.: Sample Depth: (Groundwater Classification)	GP-67 1'-3' (GB)	GP-68 1'-3' (GB)	GP-69 1'-3' (GB)	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
CT ETPH - (ppm)	193	109	243	1,000 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)					
Naphthalene	0.0945	BRL	0.0991	56 ppm	1,000/2,500 ppm
Toluene	0.0905	BRL	0.076	67 ppm	500/1,000 ppm
BNAs - Method 8270 (ppm)					
Acenaphthylene	BRL	0.574	1.32	84 ppm	1,000/2,500 ppm
Anthracene	BRL	BRL	1.25	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.795	0.879	***2.3***	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	***1.2***	***1.06***	***2.81***	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	***1.07***	***1.27***	***3.45***	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	0.758	BRL	1.26	42 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	***1.05***	***1.23***	***2.68***	**1 ppm**	8.4/78 ppm
Chrysene	***1.1***	***1.33***	***2.88***	**1 ppm**	84/780 ppm
Fluoranthene	1.75	2.09	5.43	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	***1.36***	**1 ppm**	1/7.8 ppm
Phenanthrene	BRL	BRL	2.12	40 ppm	1,000/2,500 ppm
Pyrene	1.81	1.85	4.68	40 ppm	1,000/2,500 ppm
Total BNAs	9.533	10.283	31.54		
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL		
Herbicides – Method 8151 (ppb)	BRL	BRL	BRL		
Total RCRA 8 Metals – ppm					
Arsenic	***21.7***	4.99	***12.7***		**10/10 ppm**
Barium	50.3	64.5	174		4,700/140,000 ppm
Cadmium	0.442	0.465	0.397		34/1,000 ppm
Chromium	12.5	12.2	9.06		100/100 ppm
Lead	38.0	26.7	75.5		500/1,000 ppm
Mercury	BRL	0.0676	BRL		20/610 ppm
Silver	4.61	1.18	1.35		340/10,000 ppm
SPLP RCRA 8 Metals - ppm					
Barium	0.011	0.006	0.0426	10.0 ppm	
Lead	0.0076	BRL	BRL	0.15 ppm	

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

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(a) - Results of Groundwater Grab Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Sample I.D.:	GP-45 GW	GP-55 GW	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL	BRL	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)	BRL	BRL		
BNAs - EPA Method 8270 (ppb)				Not Applicable
Benzo(g,h,i)perylene	BRL	0.056	No Standard	
Indeno(1,2,3-cd)pyrene	BRL	0.411	No Standard	
Pesticides - EPA Method 8081A (ppb)	BRL	BRL		
PCBs - EPA Method 8080 (ppb)	BRL	BRL	0.5 ppb	Not Applicable
Herbicides – EPA Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals – ppm				Not Applicable
Arsenic	***0.0326***	BRL	**0.004 ppm**	
Barium	0.386	0.149	No Standard	
Cadmium	0.0028	BRL	0.006 ppm	
Chromium	0.0938	BRL	0.11 ppm	
Lead	***0.163***	***0.0185***	**0.013 ppm**	
Mercury	***0.00091***	BRL	**0.0004 ppm**	

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

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(b) - Results of Groundwater Grab Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Sample I.D.:	GP-58 GW	GP-62 GW	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL	BRL	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)	BRL	BRL		
BNAs - EPA Method 8270 (ppb)				Not Applicable
Benzo(b)fluoranthene	***0.35***	BRL	**0.3 ppb**	
Benzo(g,h,i)perylene	0.738	BRL	No Standard	
Benzo(k)fluoranthene	0.238	BRL	0.3 ppb	
Indeno(1,2,3-cd)pyrene	0.838	0.388	No Standard	
Pesticides - EPA Method 8081A (ppb)	BRL	BRL		
PCBs - EPA Method 8080 (ppb)	BRL	BRL	0.5 ppb	Not Applicable
Herbicides – EPA Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals – ppm				Not Applicable
Barium	0.0982	0.516	No Standard	
Chromium	0.0315	0.0516	0.11 ppm	
Lead	***0.0192***	***0.117***	**0.013 ppm**	

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

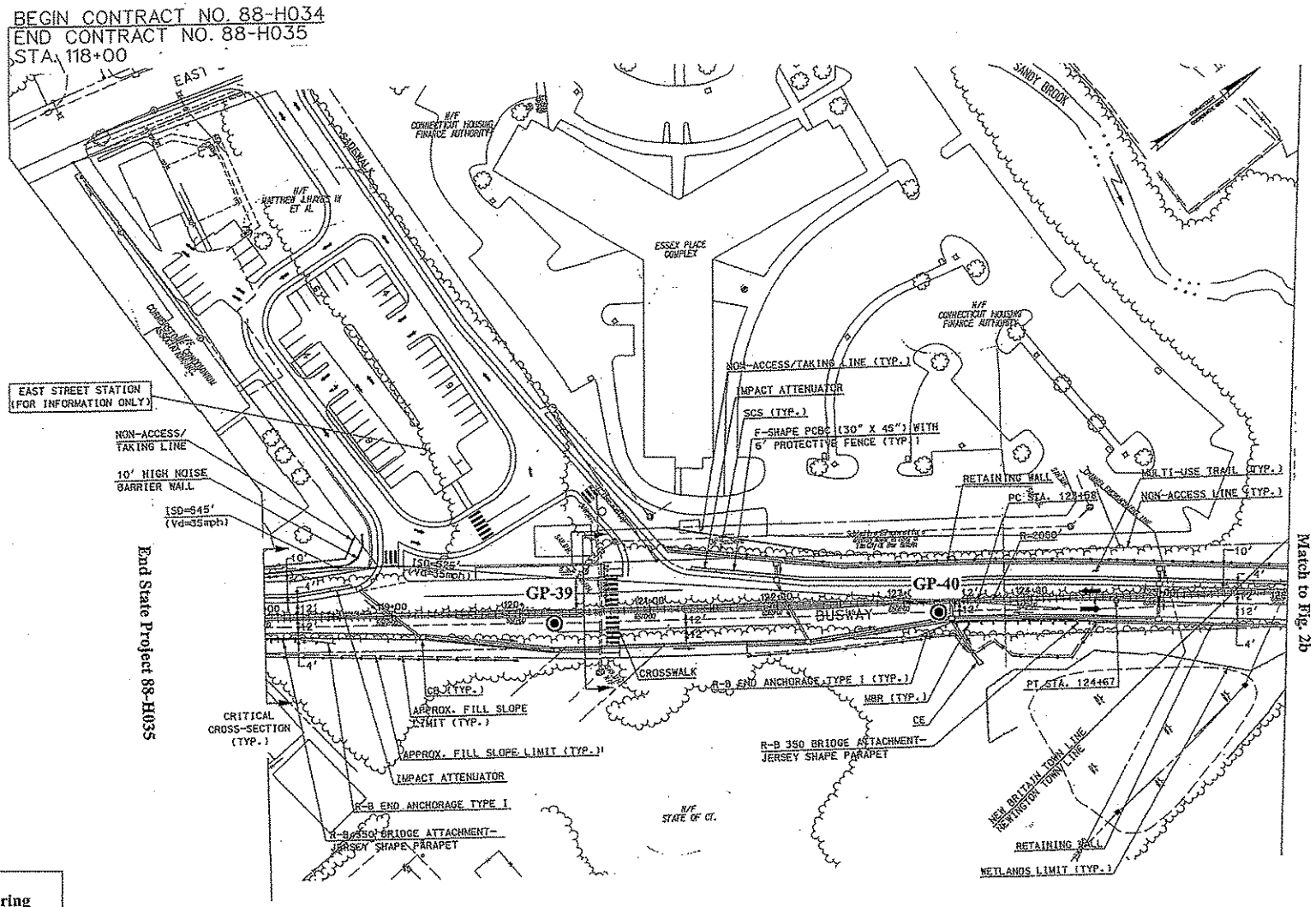
The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 2(c) - Results of Groundwater Grab Sample Analyses
New Britain to Hartford Busway Inactive Line
New Britain, Connecticut

Sample I.D.	GP-64 GW	GP-69 GW	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL	BRL	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)				
cis-1,2-Dichloroethene	1.1	BRL	No Standard	860/No Standard
BNAs - EPA Method 8270 (ppb)	BRL	BRL		
Pesticides - EPA Method 8081A (ppb)	BRL	BRL		
PCBs - EPA Method 8080 (ppb)	BRL	BRL	0.5 ppb	Not Applicable
Herbicides – EPA Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals – ppm				Not Applicable
Arsenic	***0.0052***	***0.0938***	**0.004 ppm**	
Barium	0.0283	1.68	No Standard	
Chromium	BRL	***0.297***	**0.11 ppm**	
Lead	BRL	***0.202***	**0.013 ppm**	

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

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

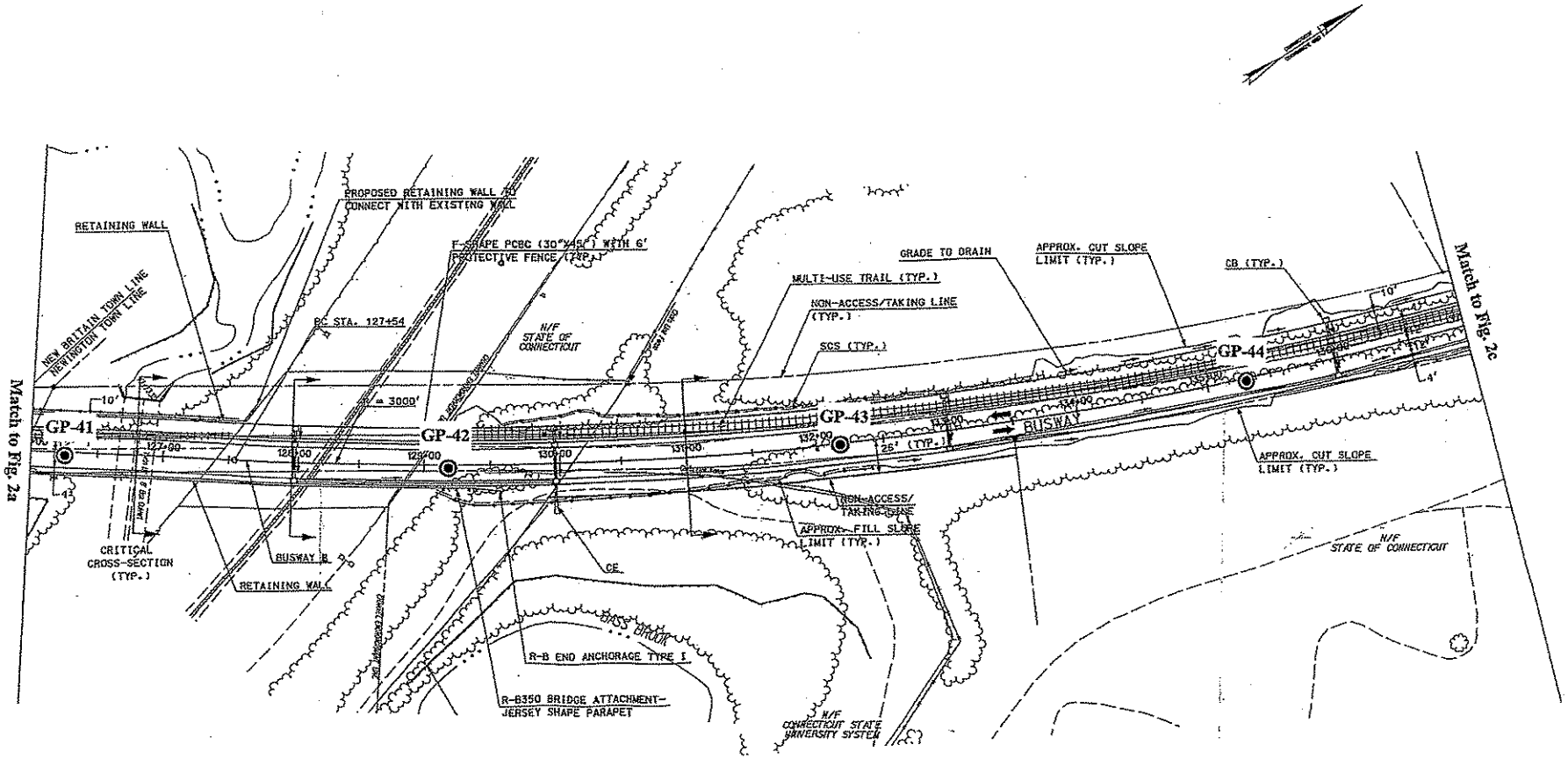


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2a - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

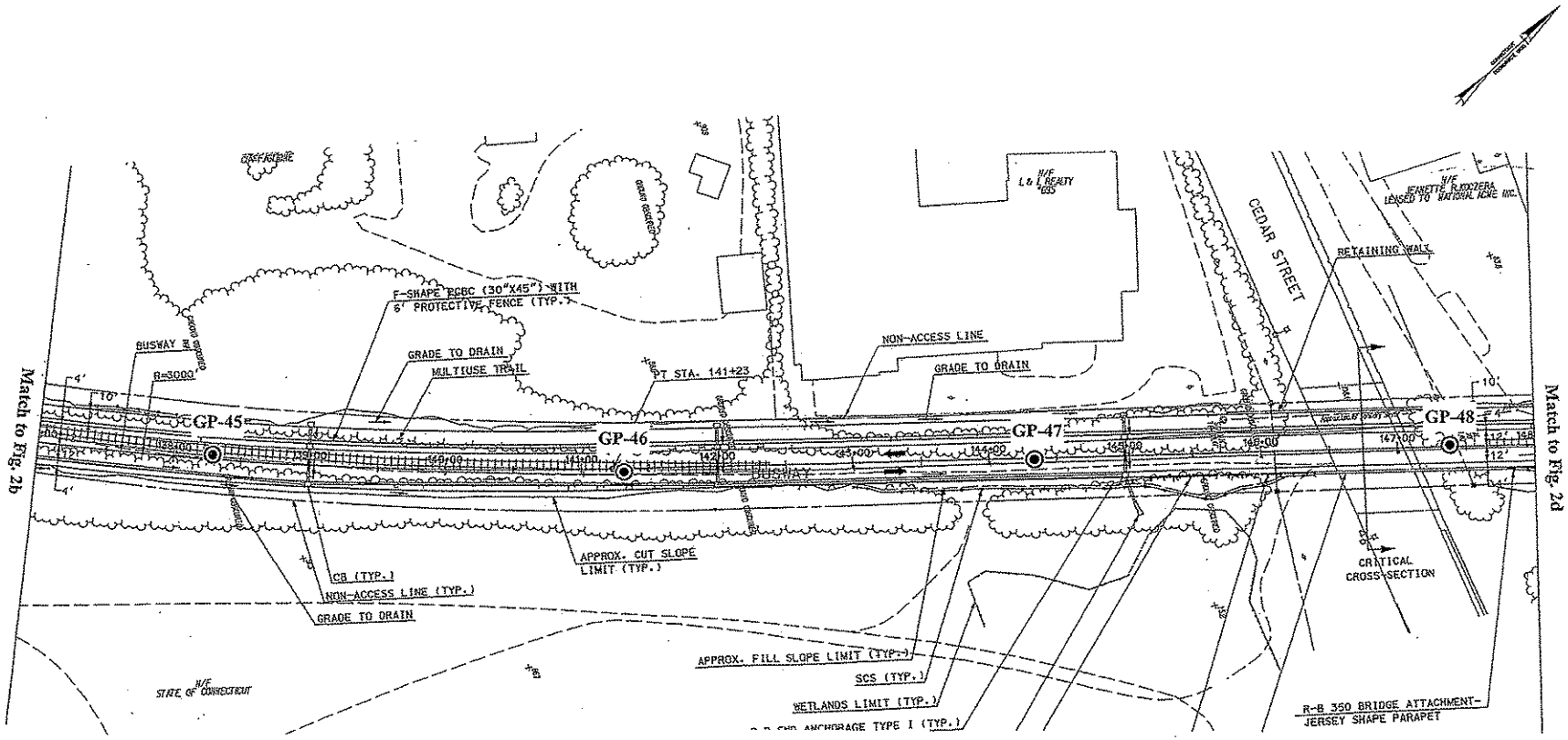


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2b - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

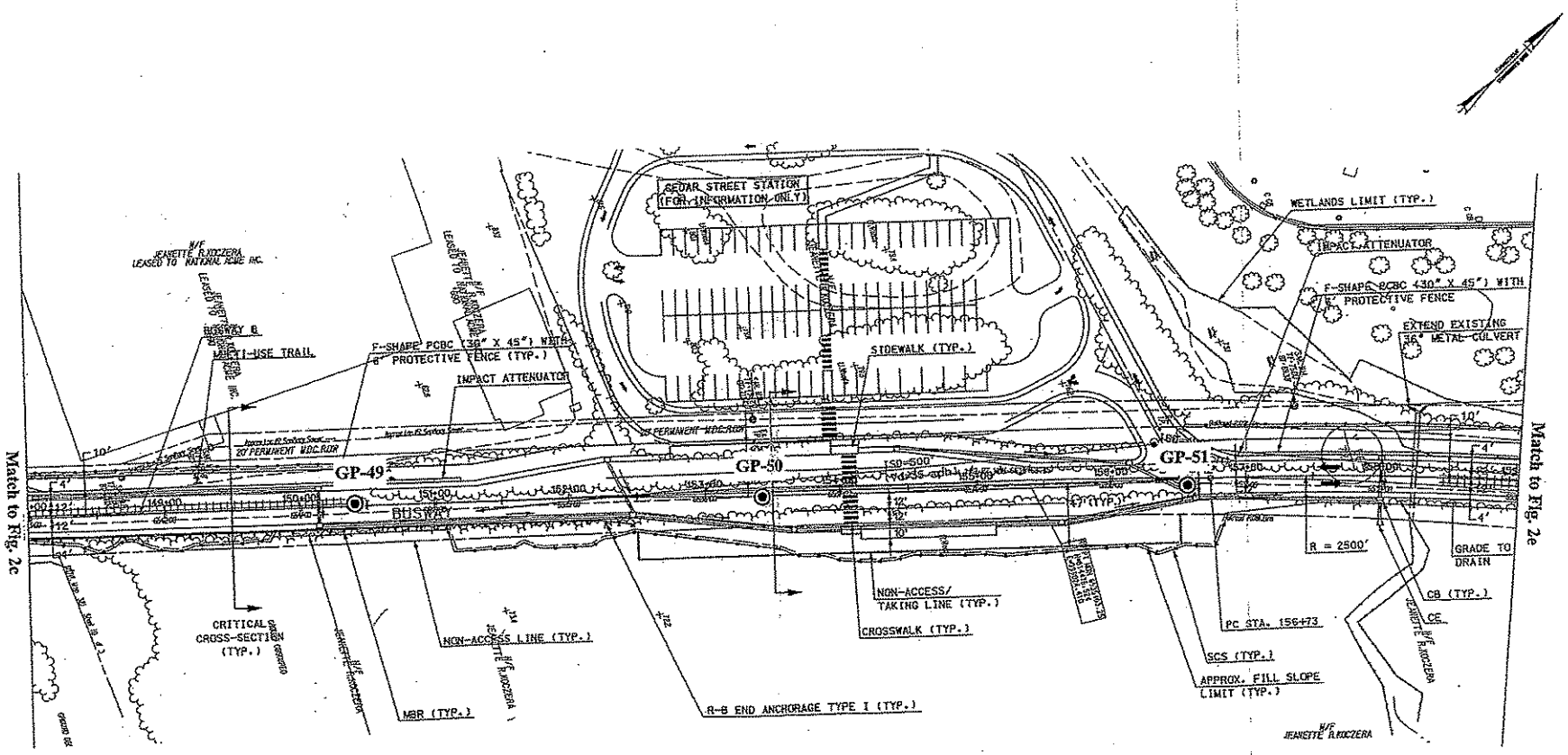


LEGEND

⊙ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2c - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

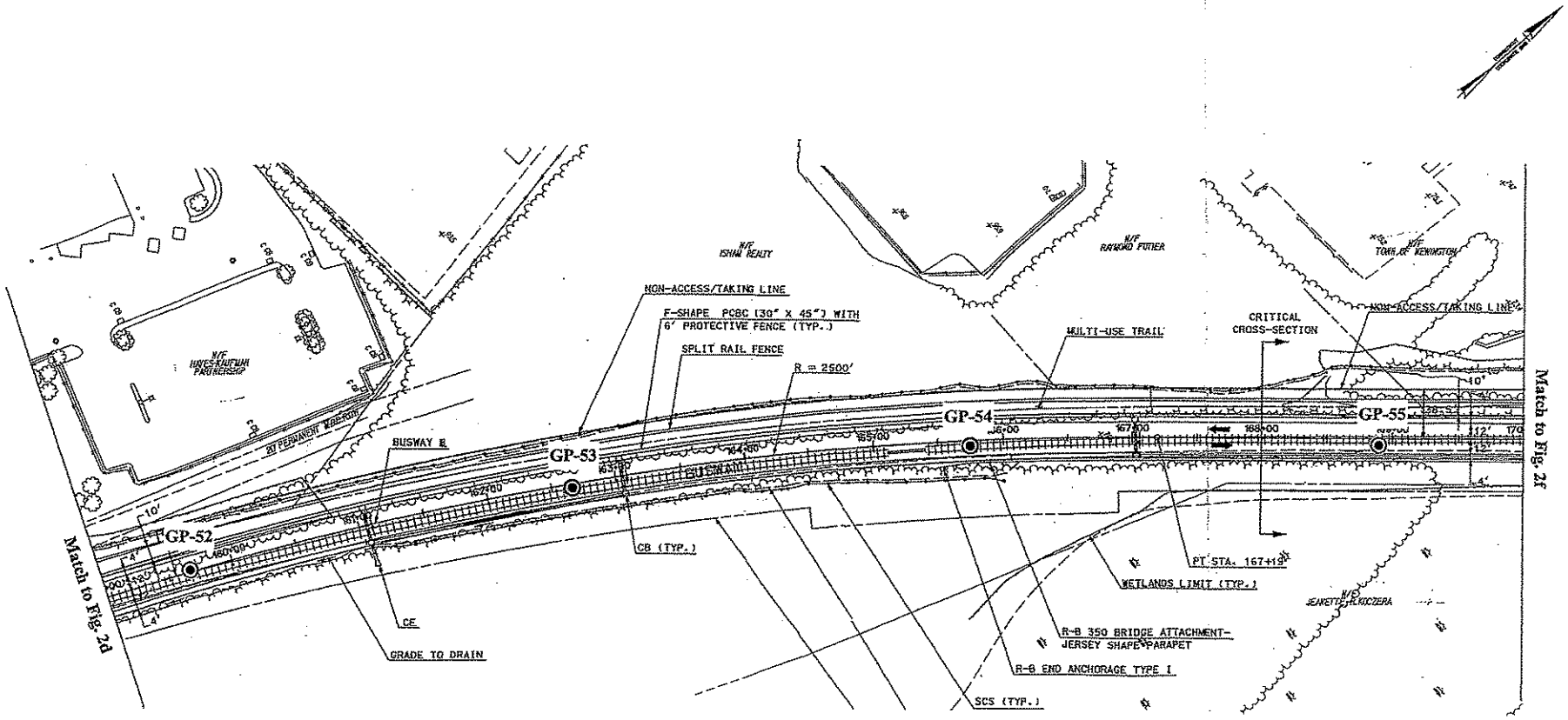


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2d - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

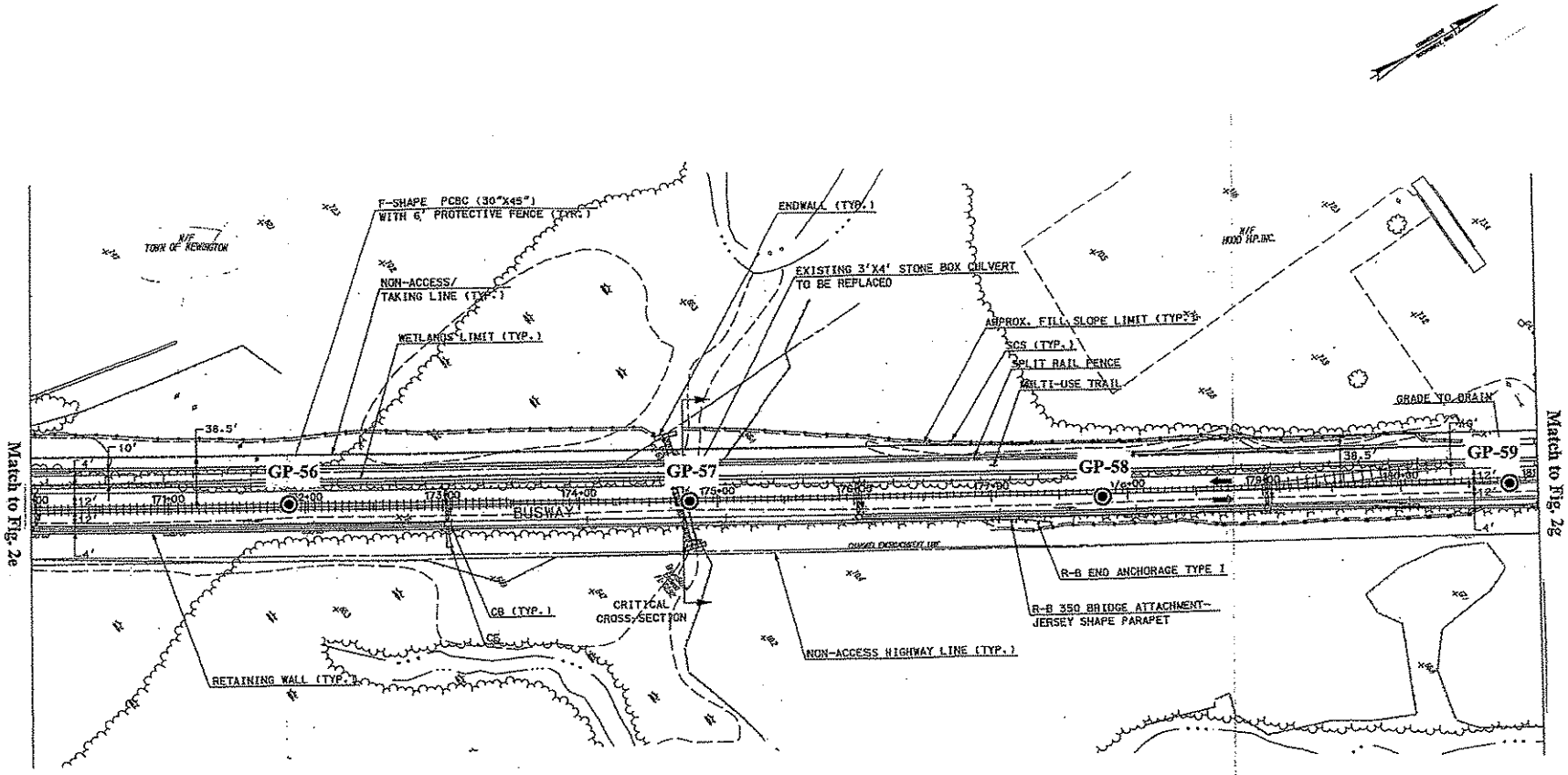


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2e - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

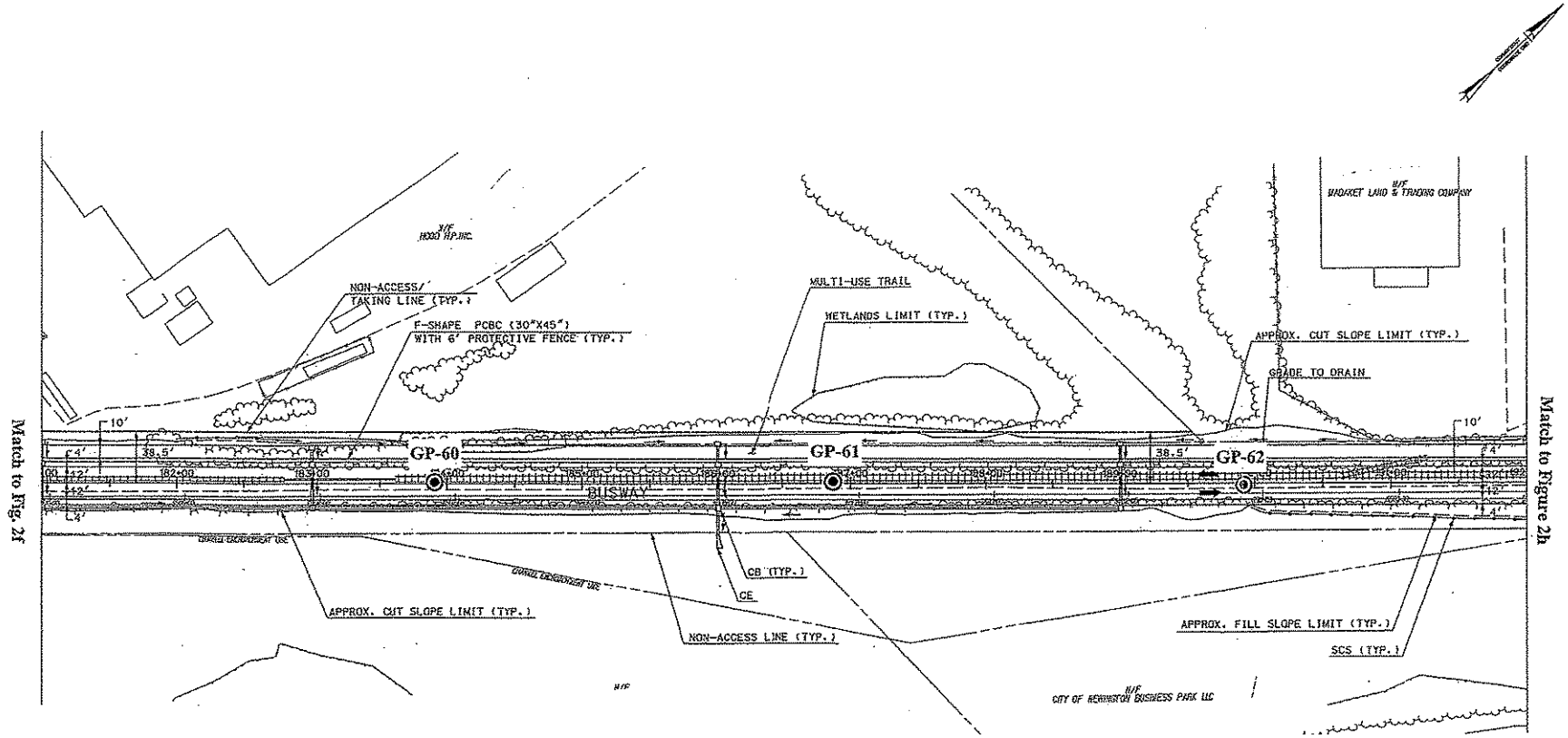


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2f - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

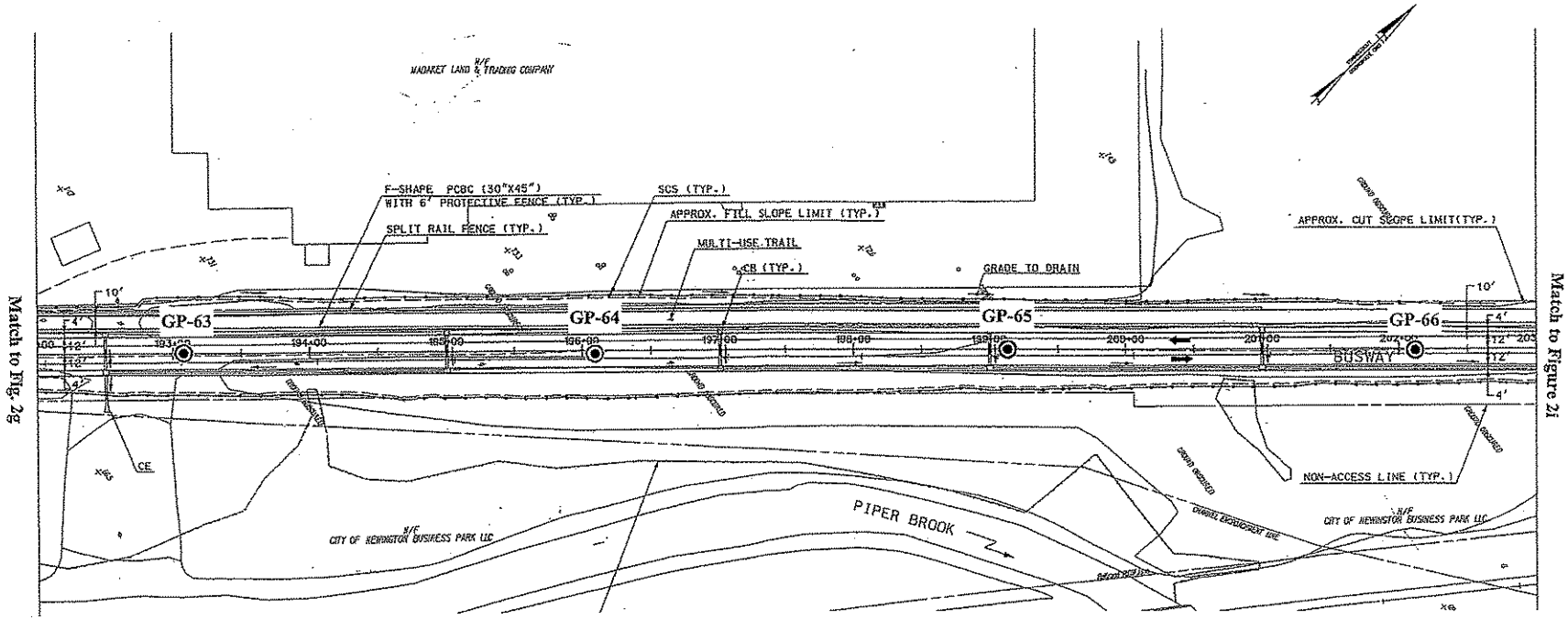


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2g - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut

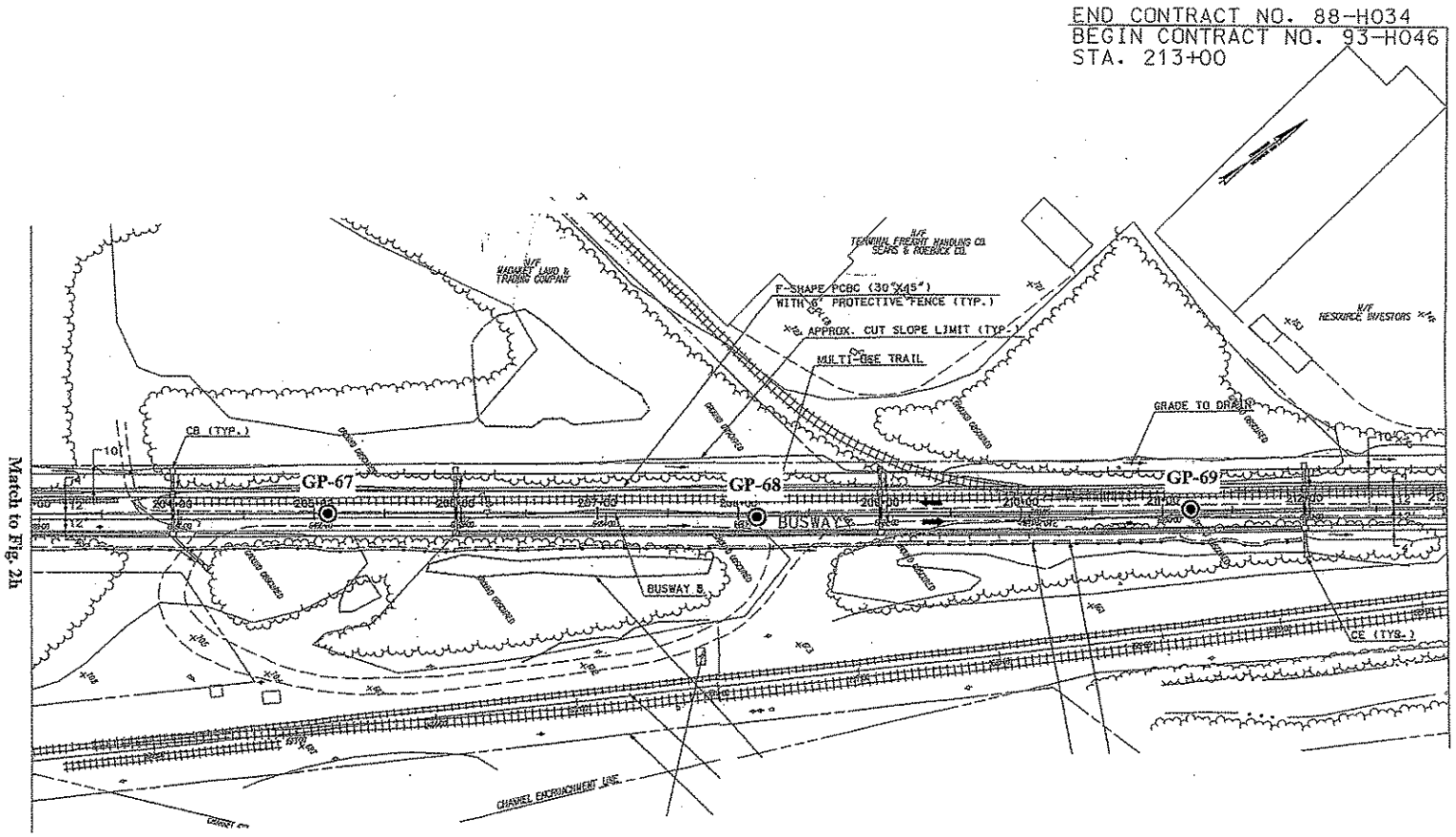


LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2h - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut



LEGEND

◉ GP = Geoprobe Boring

Scale: 1" = 80'

Figure 2i - Task 210 Project Area & Sampling Locations
New Britain to Hartford Busway Inactive Line
New Britain & Newington, Connecticut